Five-Year Review Report

First Five-Year Review
for
Elizabeth Mine Superfund Site
Strafford, Vermont
Orange County

September 2014

Prepared by:

The United States Environmental Protection Agency
Region 1 - New England, Boston, Massachusetts

EPA
New England

James T. Owens, III
Director, Office of Site Remediation and Restoration
U.S. EPA, New England

Date 9/12/14

SDMS Doc ID 538671

TABLE OF CONTENTS
FIRST FIVE-YEAR REVIEW
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

SECTION **PAGE**

AC ACRONYMS AC-1

ES EXECUTIVE SUMMARY ES-1

FS FIVE-YEAR REVIEW SUMMARY FORM ES-1

1.0 INTRODUCTION 1

2.0 SITE CHRONOLOGY 4

3.0 BACKGROUND 4
3.1 Physical Characteristics 4
3.2 Land and Resource Use 5
3.3 History of Contamination 5
3.4 Initial Response 7
3.4.1 Time Critical Removal Action (TCRA) 7
3.4.2 Non-Time-Critical Removal Action (NTCRA) 8
3.5 Basis for Taking Action 12

4.0 REMEDIAL ACTIONS 13
4.1 Remedial Action Objectives 13
4.2 Remedy Description 15
4.3 Remedy Implementation 17
4.3.1 TCRA/NTCRA 17
4.3.2 OUI Remedial Action 18
4.4 Institutional Controls 21
4.4.1 IC Implementation 21
4.5 Operations and Maintenance 22

5.0 PROGRESS SINCE LAST FIVE-YEAR REVIEW 23

6.0 FIVE-YEAR REVIEW PROCESS 23
6.1 Administrative Components 23
6.2 Community Notification and Involvement 23
6.3 Document Review 24
6.4 Data Review 24
6.4.1 Soil Sample Data 24
6.4.2 Groundwater Monitoring Data 26
6.4.3 Surface Water Monitoring 28
6.4.4 Sediment Monitoring 28
6.4.5 Biological Monitoring 29
6.4.6 System Performance Evaluation 29
6.5 Site Inspection 30
6.6 Interviews 31

TABLE OF CONTENTS (cont.)
FIRST FIVE-YEAR REVIEW
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

SECTION **PAGE**

7.0 TECHNICAL ASSESSMENT 31
7.1 Question A: Is the Remedy (Phase 1 Remedial Action) Functioning as Intended by the Decision Documents? 322
7.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid? 32
7.2.1 Are the 2006 ROD Exposure Assumptions for Phase 1 Remedial Action, NTCRA, and TCRA still valid? 32
7.2.2 Are the toxicity data used at the time of the Remedy Selection still valid? 33
7.2.3 Are the cleanup levels for the Phase 1 Remedial Action, TCRA, and NTCRA used at the time of the Remedy Selection still valid? 33
7.2.4 Are there changes in ARARs, Standards, or Other Criteria to Be Considered (TBCs) that would call into question the protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA? 34
7.2.5 Are the Remedial Action Objectives used at the time of the Remedy Selection still valid? 34
7.3 Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA? 36
7.4 Technical Assessment Summary 36

8.0 ISSUES 37

9.0 RECOMMENDATIONS AND FOLLOW-UP ACTIONS 38

10.0 PROTECTIVENESS STATEMENTS 38
10.1 Protectiveness of the Phase 1 Remedial Action: Copperas Factories 38
10.2 Protectiveness of TCRA, Phase 1 Non-Time Critical Removal Action, and Phase 2 NTCRA 39

11.0 ASSESSMENT OF REMEDIAL ACTION COMPONENTS YET TO BE IMPLEMENTED 409
11.1 Areas of Contaminated Soil 40
11.2 Groundwater Contamination 454
11.3 Summary 465

12.0 NEXT REVIEW 465

TABLE OF CONTENTS
FIRST FIVE-YEAR REVIEW
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

TABLES

NUMBER

2-1 Chronology of Site Events
4-1 Institutional Controls Summary
6-1 2013 Surface Soil Cobalt Data
6-2 2013 Surface Soil Copper Data
6-3 2013 Surface Soil Iron Data
6-4 2013 Surface Soil Arsenic Data
6-5 2013 Surface Soil Lead Data
6-6 2013 Surface Soil Thallium Data
6-7 Groundwater Results for Wells Outside WMA and GUR
6-8 Groundwater Results for Wells Outside GUR
7-1 Assessment and Measurement Endpoints
7-2 Summary of Ingestion and Dermal Cancer Toxicity Factor Changes
7-3 Summary of Ingestion and Dermal Non-Cancer Toxicity Factor Changes
7-4 Summary of Inhalation Cancer Toxicity Factor Changes
7-5 Summary of Inhalation Non-Cancer Toxicity Factor Changes
7-6 Summary of NRWQC Freshwater Chronic Value Changes Potentially Affecting Estimated Risks to Periphyton, Benthic Epifauna, Fish, and Amphibian Communities
8-1 Issues
9-1 Recommendations and Follow-up Actions

TABLE OF CONTENTS (cont.)
FIRST FIVE-YEAR REVIEW
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

FIGURES

NUMBER

1-1 Site Location Plan
1-2 NTCRA-TCRA-RA Locations
3-1 Site Features
3-2 Completed NTCRA, TCRA, and RA
4-1 Remedial Action Components
4-2 Areas of Land Use Restriction and Technical Impracticability
6-1 Soil Sample Locations
6-2 Furnace Flat North Soil Sample Locations
6-3 Furnace Flat South Soil Sample Locations
6-4 Sargent Smelter Soil Sample Locations
6-5 WWII Infrastructure Area Soil Sample Locations
6-6 Tyson Shaft Soil Sample Locations
6-7 Copperas Factories Soil Sample Locations
6-8 South Open Cut Soil Sample Locations
6-9 South Mine Soil Sample Locations
6-10 Groundwater Monitoring Locations
6-11 Surface Water Monitoring Locations
6-12 2013 Sediment Sample and Toxicity Testing Locations
6-13 2013 Biological Assessment Sample Locations
7-1 TP-1 Water Level Decline Plan View
7-2 TP-1 Water Level Decline Section View
7-3 Iron Load for Leachate from TP-1
7-4 Annual Average Total TDHD Flow
7-5 Copper and pH at CB6 - Confluence with WBOR

APPENDICES

A Public Notice
B Interview Notes
C Documents Reviewed/References
D Site Inspection Checklist and Site Condition Photos
E Detailed Evaluation of Exposure Assumptions, Toxicity Data, Risk Methods, and Risk Estimates for June 2014 Five Year Review for Elizabeth Mine
F Results of EPA in-vitro bioassessibility assays for Elizabeth Mine
G AMEC Groundwater and Surface Water Monitoring Data Tables

ACRONYMS

AMD	Acid Mine Drainage
ARAR	Applicable or Relevant and Appropriate Requirement
ATSDR	Agency of Toxic Substances and Disease Registry
AWQC	Ambient Water Quality Criteria
BERA	Baseline Ecological Risk Assessment
BGS	Below Ground Surface
CCC	Criteria Continuous Concentration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF	Upper and Lower Copperas Factories
CFR	Code of Federal Regulations
CMC	Criteria Maximum Concentration
COC	Contaminant of Concern
COPC	Contaminant of Potential Concern
COPEC	Contaminants of Potential Ecological Concern
CSF	Cancer Slope Factor
CY	Cubic Yard
ECO-SSL	Ecological Soil Screening Level
EE/CA	Engineering Evaluation and Cost Analysis
EPA	U.S. Environmental Protection Agency
FS	Feasibility Study
FT	Feet
GPM	Gallons Per Minute
GUR	Groundwater Use Restriction Zone
HD	Horizontal Drain
HI	Hazard Index
HHRA	Human Health Risk Assessment
IA	Infrastructure Area
IC	Institutional Control
IEUBK	Integrated Exposure Uptake Biokinetic Model
IRIS	Integrated Risk Information System
LBSA	Lord Brook Source Area
LTRA	Long-Term Response Action

MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goals
MSL	Mean Sea Level
NCEA	National Center for Environmental Assessment
NCP	National Contingency Plan
NHPA	National Historic Preservation Act
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effects Concentrations
NPL	National Priorities List
NRWQC	National Recommended Water Quality Criteria
NTCRA	Non-Time Critical Removal Action
O&M	Operation and Maintenance
OSWER	Office of Solid Waste and Emergency Response
OU	Operable Unit
PEC	Probable Effects Concentration
PPM	Parts Per Million
PPRTV	Provisional Peer Reviewed Toxicity Value
RA	Remedial Action
RAGS	Risk Assessment Guide for Superfund
RAO	Response Action Objective
RD	Remedial Design
RfC	Reference Concentration
RfD	Reference Dose
RI	Remedial Investigation
ROD	Record of Decision
RSL	Regional Screening Levels
SED	Impacted Sediment
SEM AVS	Simultaneously Extracted Metals to Acid Volatile Sulfides
SF	Square Feet
SU	Standard Unit
SW	Site-Wide Groundwater
TBC	Criteria to Be Considered TBCs
TCRA	Time Critical Removal Action
TD	Toe Drain

TI	Technical Impracticability
TP	Tailing Dam
TRV	Toxicological Reference Value
UU/UE	Unlimited Use or Unrestricted Exposure
URF	Unit Risk Factor
USACE	U.S. Army Corps of Engineers
USGS	U. S. Geological Survey
VSS	Vegetative Support Soil
VTDEC	Vermont Department of Environmental Conservation
VPGES	Vermont Primary Groundwater Enforcement Standard
WBOR	West Branch of the Ompompanoosuc River
WMA	Waste Management Area
WTS	Water Treatment System
WWII	World War II Era Infrastructure Area

EXECUTIVE SUMMARY

This is the first Five-Year Review for the Elizabeth Mine Superfund Site (Site) located in Strafford and Thetford, Vermont. The review was conducted in accordance with the United States Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response (OSWER) Guidance No. 9355.7-03B-P. This statutory review is required because hazardous substances, pollutants, or contaminants remain on-site above levels that allow for unlimited use and unrestricted exposure. The review was focused on the completed Phase 1 Remedial Action and the completed Time-Critical Removal Action (TCRA) and Non-Time-Critical Removal Action (NTCRA).

The Site was proposed for inclusion on the National Priorities List (NPL) in December 2000. The Site was finalized on the NPL on June 14, 2001 (F.R. Vol. 66, No. 116, pages 32235-32242).
The Site contains waste rock, roast beds, and mine tailings left behind after 150 years of mining activity. These mine waste materials, which contain sulfide minerals (e.g., pyrrhotite), generate acid-rock drainage (ARD), also referred to as acid-mine drainage (AMD). ARD occurs when sulfide minerals are exposed to water and oxygen resulting in the creation of sulfuric acid, which then interacts with the mine waste and native material to mobilize metals into groundwater and surface water. Erosion also transports the mine waste into streams resulting in contaminated sediment. The ARD and contaminated sediment released from the Elizabeth Mine waste piles resulted in the impairment of Copperas Brook, the West Branch of the Ompompanoosuc River (WBOR), Lord Brook, and two un-named tributaries to Lord Brook. Leaching from the waste material also contaminated groundwater beneath and adjacent to the waste piles. Contaminated groundwater is also found in the underground mine workings. A small area of the Site was found to contain high levels of lead in the soil because of the use of lead as a lining in vessels used to create copperas at the former Copperas Factories.

EPA selected a Non-Time-Critical Removal Action in September 2002 to address the release of ARD from the waste materials found in the Copperas Brook watershed. A Time-Critical Removal Action was performed between 2003 and 2005 to address the instability of the tailing dam at the Site. The tailing dam area extends along the northern and western limit of Tailing Pile-1 (TP-1). The tailing dam holds back an estimated 3-million cubic yards (cy) of unsaturated and saturated tailing waste. A Record of Decision (ROD) was signed in September 2006 to address five areas of the site not addressed by the TCRA or NTCRA. The Remedial Action (RA) included in the

ROD for the Site has one Operable Unit (OUI) that includes three separate phases: Phase 1 Remedial Action: Upper and Lower Copperas Factories; Phase 2 Remedial Action Lord Brook Watershed Source Areas; and Phase 3 Remedial Action: Site-Wide Groundwater, Sediments, and World War II Era Infrastructure Area (WWII).

During 2013 and 2014, EPA performed this first Five-Year Review for the Phase 1 Remedial Action. The Five-Year Review also included an evaluation of the other completed response actions (TCRA, NTCRA). Although not required by statute, this review also evaluated the site-wide groundwater and soil conditions to provide a baseline for the evaluation of protectiveness for the Phase 2 Remedial Action, Phase 3 Remedial Action, and Phase 3 NTCRA when these response actions are implemented in the future. The review included site inspections, review of existing data, collection of supplemental data, and interviews with community members, state, and local officials. As part of the Five-Year Review, exposure assumptions, toxicity data, cleanup levels, and remedial action objectives were reviewed to determine if the selected remedies are still protective.

The Five-Year Review concluded that completed components of the Phase 1 Remedial Action (Copperas Factories) along with the completed components of the TCRA Phase 1 NTCRA and Phase 2 NTCRA are functioning as intended by the decision documents and are currently protective of human health and the environment. The lead contaminated soil that was identified in the ROD is either beneath a two-foot stone cover or beneath the multi-layer cover system installed on TP-1. There is no evidence of changes or damage to the stone cover or TP-1 cover system that would result in exposure to the lead contaminated soil. The TCRA buttress and toe drain/horizontal drain system are functioning as intended. The NTCRA surface water diversion channels and cover system are also functioning as intended. The water levels within the tailing impoundment are declining and the leachate generation has experienced a steady decline as a result of the surface water diversion channels and cover system. In addition, the waste rock consolidation under the cover system has resulted in a substantial decrease (greater than 90%) in the copper concentrations in the surface water of Copperas Brook.

The Five-Year Review identified the need to complete the institutional controls for the Phase 1 Remedial Action as the only issue that needs to be addressed in order for the long-term protectiveness of the Phase 1 Remedial Action to be satisfied.

For the not yet implemented Phase 2 and Phase 3 remedial actions, the Five-Year Review identified the need to re-evaluate the groundwater cleanup levels and the extent of groundwater contamination. The Five-Year Review also identified the need to re-assess the potential threat from soil containing cobalt, copper, iron, or arsenic as part of the remedial design and remedial action for the Phase 2 Remedial Action and Phase 3 Remedial Action.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Elizabeth Mine		
EPA ID: **VTD988366621**		
Region: 1	**State:** VT	**City/County:** Strafford/Orange
SITE STATUS		
NPL Status: Final		
Multiple OUs? No	**Has the site achieved construction completion?** No	
REVIEW STATUS		
Lead agency: EPA		
Author name (Federal or State Project Manager): Edward Hathaway		
Author affiliation: USEPA		
Review period: 3/25/13 – 6/1/2014		
Date of site inspection: September 16, 2013, December 4, 2013, and May 20, 2014		
Type of review: Statutory		
Review number: 1		
Triggering action date: 6/1/2009		
Due date *(five years after triggering action date)*: 6/1/2014		

Five-Year Review Summary Form (continued)

Issues/Recommendations
OU(s) without Issues/Recommendations Identified in the Five-Year Review:
TCRA and Phase 1 and Phase 2 NTCRA
Issues and Recommendations Identified in the Five-Year Review:

OU(s): 1 - Phase 1 RA	**Issue Category: Institutional Controls**			
	Issue: Institutional controls to prevent future use of the area subject to the Phase 1 Remedial Action (Copperas Factories) are not in place to ensure future long-term protectiveness.			
	Recommendation: Institutional Controls to protect the completed cover system and prevent residential use should be completed for the Phase 1 Remedial Action			
Affect Current Protectiveness	**Affect Future Protectiveness**	**Implementing Party**	**Oversight Party**	**Milestone Date**
No	Yes	EPA	EPA	6/1/2019

Protectiveness Statement(s)		
Operable Unit: 1	*Protectiveness Determination:* Short-term Protective	*Addendum Due Date (if applicable):* Click here to enter date.
Protectiveness Statement: The remedy for the Phase 1 Remedial Action (Copperas Factories) currently protects human health and the environment because direct contact and incidental ingestion of the lead-contaminated soil above the cleanup levels identified in the Record of Decision have been prevented by the placement of a two-foot stone cover and the excavation of a portion of the contaminated soil and placement of such soil beneath the cover system installed as part of the NTCRA. A limited area of lead-contaminated soil identified as part of the Five-Year Review does not call into question the short-term protectiveness of the Phase 1 Remedial Action because there would not be an unacceptable threat to human health or the environment based on either the current non-residential or the future residential exposure to these contaminated soils. However, for the Phase 1 Remedial Action to be protective in the long-term, institutional controls must be implemented to protect the long-term integrity of the cover system.		

1.0 INTRODUCTION

The U.S. Environmental Protection Agency-Region 1 (EPA) has conducted the first Five-Year Review of the Elizabeth Mine Superfund Site (Site). The purpose of a Five-Year Review is to determine whether the remedy at a site is protective of human health and the environment. The methods, findings, and conclusions of these reviews are documented in Five-Year Review reports. In addition, Five-Year Review reports identify issues found during the review, if any, and recommendations to address them.

The EPA is preparing this Five-Year Review report pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §121 and the National Contingency Plan (NCP). CERCLA §121 states:

> *If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.*

The agency interpreted this requirement further in the NCP. 40 CFR §300.430(f)(4)(ii) states:

> *If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.*

The Five-Year Review of the Phase 1 Remedial Action (RA) implemented at the Site was conducted from March 25, 2013 through June 1, 2014. Nobis Engineering, Inc. (Nobis) supported EPA in completion of the review under EPA Contract No. EP-S1-06-03, Task Order

No. 0096-FR-FE-017K. The Five-Year Review included consultation with the Vermont Department of Environmental Conservation (VTDEC) and the Town of Strafford, Vermont.

The Remedial Action for the Site is based upon the September 2006 Record of Decision (ROD) and the 2008 Explanation of Significant Differences (ESD). The Remedial Action has one operable unit with five components that are being implemented as three separate phases.

- Phase 1 Remedial Action: Copperas Factories. This cleanup action was completed in 2010.

- Phase 2 Remedial Action: Lord Brook Source Areas: This cleanup action is in the remedial design phase.

- Phase 3 Remedial Action: Site-Wide Groundwater, Sediment, and WWII-Era Infrastructure Area. This cleanup action is in the remedial design phase.

Other response actions at the Site also include a Non-Time-Critical Removal Action (NTCRA) and a Time-Critical Removal Action (TCRA). A Time-Critical Removal Action to stabilize the tailing dam was implemented in 2003 and completed in 2005. The initial Action Memorandum for the NTCRA was signed in September 2003. The NTCRA began in 2006 and has three phases.

- Phase 1 NTCRA: The Phase 1 NTCRA was implemented from 2006-2010. The Phase 1 NTCRA activities included the construction of about 6,000 linear feet of surface water diversion channels; a 1,150-linear foot shallow groundwater diversion trench; and an interim water treatment system.

- Phase 2 NTCRA: The Phase 2 NTCRA began in 2009 and is ongoing. The Phase 2 NTCRA activities include: excavation and consolidation of approximately 400,000 cubic yards of waste rock; installation of a cover system over Tailing Pile 1 (TP-1) and Tailing Pile 2 (TP-2); construction of 300 linear feet of surface water diversion channels; continued operation of the interim water treatment system; and restoration of areas disturbed by the NTCRA activities.

- Phase 3 NTCRA: The Phase 3 NTCRA involves the construction of a passive treatment system to remove iron from the leachate discharging from TP-1. The Phase 3 NTCRA has been designed but not yet implemented.

See Figure 1-1 for the Site location and 1-2 for the location of each response action.

This Five-Year Review evaluates the protectiveness of the completed Phase 1 Remedial Action only: Copperas Factories for Operable Unit I (OUI) as well as the TCRA and completed portions of the Phase 1 and Phase 2 NTCRA. Although not required by statute, this review also evaluated the site-wide groundwater and soil conditions to provide a baseline for the evaluation of protectiveness for the Phase 2 Remedial Action, Phase 3 Remedial Action, and Phase 3 NTCRA when these response actions are implemented in the future.

The triggering action for this review is the start of the Phase 1 Remedial Action: Copperas Factories on-site construction activities on June 1, 2009. This statutory review is required because hazardous substances, pollutants, or contaminants remain on-site above levels that allow for unlimited use and unrestricted exposure.

2.0 SITE CHRONOLOGY

Table 2-1
Chronology of Site Events
Elizabeth Mine Superfund Site
Strafford, Vermont

Date	Event Description
February 2000	EPA signed Approval Memorandum to authorize Engineering Evaluation/Cost Analysis in support of a NTCRA.
June 2001	Elizabeth Mine Site placed on NPL.
September 2002	EPA signed Action Memorandum to initiate NTCRA.
June 2001 – September 2006	Remedial Investigation and Feasibility Study for OUI.
April 2003 – September 2005	TCRA: Stabilization of the tailing dam.
2006 – 2010	Phase 1 of the NTCRA.
2006	EPA signed ROD for OU1.
2006-2008	RD for Phase 1 Remedial Action.
2008 - Present	RD for Phase 2 Remedial Action and Phase 3 Remedial Action.
2008	Explanation of Significant Differences for OU1 ROD Phase 1.
2009	Phase 1 Remedial Action construction activities begin.
2010	Phase 1 Remedial Action completed.
2010 - Present	Phase 2 of NTCRA implementation.
November 2013	Surface water and sediment toxicity testing sample collection.
November 2013	Soil sampling to support Five-Year Review.
March 2013 – September 2014	Five-Year Review for OUI.

3.0 BACKGROUND

The Site is located in the towns of Strafford and Thetford in east-central Vermont, approximately two miles southeast of the village of South Strafford, on the eastern flank of Copperas Hill. It is approximately 15 miles north of White River Junction and 9 miles west of the Connecticut River. Refer to Figure 1-1 for a Site Location Plan.

3.1 Physical Characteristics

The Site includes three small watersheds containing Copperas Brook, Lord Brook, and Sargent Brook, which all discharge to the West Branch of the Ompompanoosuc River (WBOR). All of the surface water is State-designated as a Class B water. A Class B surface water is required to be

managed to achieve and maintain a level of quality that fully supports the following designated uses: aquatic biota, wildlife, and aquatic habitat; aesthetics; public water supply; irrigation of crops and other agricultural uses; swimming and other primary contact recreation; boating, fishing and other recreation uses. The WBOR combines with the Ompompanoosuc River just before Union Village Dam about 5 miles downstream of the Site. The combined flow then reaches the Connecticut River about 10 miles downstream of the Site. The topography of the area is steep mountainous terrain with elevations ranging from 940 feet above mean sea level (msl) at the WBOR to 1,600 above msl at the top of Copperas Hill.

The existing and former mine features result from the mining and mineral processing of the Besschi-type massive sulfide ore body which is part of the Vermont Copper Belt. The primary physical features associated with the mine include three open rock cuts (the North Open Cut, the South Open Cut, and the South Mine), two pit lakes (located at the South Open Cut and at the South Mine), two tailing piles/dams (designated TP-1 and TP-2), waste ore and waste rock piles (including the waste areas designated Tailing Pile 3 (TP-3) and Tailing Pile 4 (TP-4)), a series of World War II (WWII)-era mine support buildings, and approximately 8,000 linear feet of underground mine workings. The area subject to the Remedial Investigation (RI) also includes areas of historic ore beneficiation processes (including Sargent Brook smelter site (Tyson Smelter) and Furnace Flats roast beds and smelter) and areas of graded mining wastes used as historic fill. The locations of these features are presented on Figure 3-1.

3.2 Land and Resource Use

After mineral extraction and processing operations ceased in 1958 the Site owner (Appalachian Sulfides) sold the 1,400 acres of land in Strafford and Thetford to individual landowners. Since then, the land use of the Site area has been low density residential with some recreational activity and forestry. The current use for most of the Site is also restricted because of the cleanup actions. Portions of the Site are posted “No Trespassing” by the private landowners. EPA provided the Town of Strafford with a Redevelopment Initiative Grant to allow the Town to develop the *Elizabeth Mine Site Re-Use Plan*, March 31, 2004.

3.3 History of Contamination

Deposits at the Site were discovered in 1793. The mine operated from the early 1800s until its closure in 1958. The ore was initially valued for its iron content, and then its pyrrhotite content

from which copperas was produced. Circa 1830, the deposit was primarily exploited for its copper content. The mine was most productive from 1943 to 1958 when it was revived using modern mining technology. This period included the addition of most of the current site features such as the ore processing buildings, tailing piles, and most features indicative of underground mining operations. In 1956, the grade and quantity of ore began to diminish, and in February 1958, the mine was closed. By the close of mining operations, the mine property encompassed approximately 1,400 acres and work extended to approximately 1,000 feet (ft) below ground surface (bgs) and 8,000 ft linearly with about 5 miles of underground shafts and tunnels.

When mining operations were abandoned, many of the underground areas flooded with groundwater. An air vent, also known as the artesian vent, (created to provide ventilation for underground work areas), currently discharges ARD to the ground surface. Drainage from this vent flows overland and empties into the WBOR. The air vent is shown is shown on Figure 3-1.

Many of the mine waste materials left behind contain sulfide minerals (e.g., pyrrhotite), which generate acid-rock drainage (ARD), also referred to as acid-mine drainage (AMD). ARD occurs when sulfide minerals are exposed to water and oxygen resulting in the creation of sulfuric acid, which then interact with the mine waste and native material to mobilize metals into groundwater and surface water. Erosion also transports the mine waste into streams resulting in contaminated sediment. The ARD and contaminated sediment released from the Elizabeth Mine waste piles resulted in the impairment of Copperas Brook, the West Branch of the Ompompanoosuc River (WBOR), Lord Brook, and two un-named tributaries to Lord Brook. Leaching from the waste material also contaminated groundwater beneath and adjacent to the waste piles. Contaminated groundwater is also found in the underground mine workings. A small area of the Site was found to contain high levels of lead in the soil because of the use of lead as a lining in vessels used to create copperas at the former Copperas Factories.

The Site has been previously investigated by state and federal agencies and private companies. As part of various studies, samples of mine tailings, surface water, sediment, fish tissues, and drinking water have been collected and analyzed for metals. The results documented the presence of metals in surface water, groundwater, sediment, and soil that exceed background levels and human health or ecological screening levels. These studies have documented that the entire length of Copperas Brook, the two tributaries to Lord Brook that drain from the South

Mine and South Open Cut, portions of Lord Brook, and several miles of the WBOR failed to meet numerical and biological federal and state water quality standards.

3.4 Initial Response

Initial response actions were performed at the Site and included a TCRA and NTCRA. Figure 3-2 shows the locations of the completed TCRA and NTCRA.

3.4.1 Time Critical Removal Action (TCRA)

Geotechnical investigations and evaluations performed during 2002 identified significant stability concerns associated with the TP-1 tailing dam. The consequence of a failure of TP-1 would have been the release of large quantities of tailing that could threaten up to 11 downstream structures and impact up to 20 miles of river with anoxic tailing. Three mechanisms for the failure or collapse of the TP-1 tailing dam were identified:

- Internal dam erosion (or piping);
- Failure of the decant system resulting in overtopping or elevated levels of tailing saturation within the tailing dam (the decant system was the conveyance system that drained the water from the top of the tailing pile, which included the entire flow of Copperas Brook, through the tailing dam, and into Copperas Brook); and
- Slope failure due to surface erosion or due to an increase in the water table within TP-1 resulting from other factors (i.e., not decant system related).

Frequent Site inspections of TP-1 were initiated in February 2003. Internal dam erosion was identified to be accelerating during these inspections. Because of these identified conditions and following meetings with local officials and the public, a TCRA was implemented at TP-1 by EPA. The TCRA was implemented to increase the stability of TP-1 and reduce the potential for a dam failure, which posed a public health threat to inhabitants of downstream areas. In conjunction with the TCRA, EPA developed an Emergency Response Plan in coordination with local response officials.

The TCRA began in the spring of 2003 with the installation of graded filters over the areas where the piping of dam material was observed and continued during the fall of 2003 with the installation of a 36-inch diversion pipe and spillway to replace the existing decant drainage system that formerly transmitted Copperas Brook through the lower portion of TP-1. The diversion construction included the installation of a groundwater interception pipe to intercept shallow groundwater entering TP-1 from the east. The inlet/outlet structures and the diversion pipe increased flow capacity for Copperas Brook to pass through TP-1.

The final component of the TCRA was implemented during 2004 and 2005 and included construction of a soil buttress to stabilize the north face of TP-1. The buttress construction involved the placement of approximately 67,000 cubic yards of soil obtained from both on-site and off-site sources.

The TCRA was completed in fall 2005. The State of Vermont has taken over responsibility for post-removal site control of the TCRA. The post-removal site control activities include maintenance of the toe drains and horizontal drains, inspections of the tailing dam buttress and spillway, and maintenance of the vegetative surface of the buttress and toe drain/horizontal drain area (mowing and weed control).

3.4.2 Non-Time-Critical Removal Action (NTCRA)

EPA is implementing the NTCRA in three phases. Phase 1 began in 2006 and was completed in 2010. Phase 2 began in 2009 and is expected to be completed in 2016. Phase 3 is the installation of the final passive treatment system for the discharge from the Tailing Impoundment and will be completed when leachate flow from TP-1 is reduced to below 10 gallons per minute.

The removal action objectives for the NTCRA are:

- Achieve VT Water Quality Standards (chemical and biological) as well as other applicable standards for the WBOR by preventing or minimizing the discharge of water with mine-related metals contamination to Copperas Brook and the WBOR;

- Minimize erosion and transport of tailings or contaminated soil into the surface waters of Copperas Brook and the WBOR;

- Evaluate the stability of the waste piles (tailings, waste rock, and leach piles) and modify slope configurations (re-grading, covering, or buttressing) as necessary to provide for an acceptable level of long-term stability;

- Consider measures to minimize and, if possible, avoid an adverse effect on historic resources at the Site, as required by the National Historic Preservation Act (NHPA); and

- Comply with all applicable, or relevant and appropriate federal and state regulations (ARARs) while achieving these objectives.

The status of the NTCRA Phase 1 and Phase 2, and a brief description of Phase 3 are presented below:

Phase 1 NTCRA Activities

- **TP-1 Western Side Stabilization and Diversion Channel:** The work generally consisted of flattening the exterior slope of TP-1 and constructing a 1,650 linear foot surface water diversion channel along the west side of TP-1. These activities were completed during 2006.

- **TP-1 East Side Diversion Channel:** The work consisted of constructing a 2,100 linear foot diversion channel to intercept surface water and shallow groundwater before it reached TP-1 and TP-2. The diversion channel also provided conveyance of surface water from upstream of TP-1, including Copperas Brook, around TP-1. These activities were completed during 2007.

- **TP-1 West Side Groundwater Cutoff Trench:** A 1,150 linear foot groundwater interceptor trench was installed in order to account for the depth to the glacial till surface, which did not allow the surface water diversion along the west side of TP-1 to achieve shallow groundwater interception. The cutoff trench was installed in late 2009.

- **TP-2 Diversion Channel:** The work consisted of constructing a 1,300 linear foot diversion channel to intercept surface water and shallow groundwater before it reaches

TP-2 and to provide for conveyance of Copperas Brook around TP-2. These activities were initiated in 2007 and completed in 2010.

- **Toe Tailing Waste Removal and Stream Restoration:** The channel restoration included removing tailings from Copperas Brook below TP-1 and constructing about 870 linear feet of new channel. This work was completed in 2010.

Phase 2 NTCRA Activities

- **TP-3 Waste Excavation and Consolidation to TP-1:** The work consisted of the removal of waste rock pile TP-3 and placing this material on TP-1. About 300,000 cubic yards of material was removed from TP-3 and transported to TP-1 and TP-2. This work was completed in 2010.

- **Consolidation of Additional Waste Ore and Other Material:** Waste ore from the waste rock pile TP-4, South Mine, and South Open Cut was excavated and used as fill to establish the final grade on TP-1. Other waste material consolidated onto TP-1 includes lead-contaminated soil from the Copperas Factories closure area, petroleum-impacted soils excavated from the east side of WWII Area, and waste rock surrounding the WWII era buildings. About 100,000 cubic yards of waste rock from these areas was removed and transported to TP-1 and TP-2. Waste rock consolidation was completed in 2012.

- **Copperas Brook channel extension and repair:** A 300 foot extension was added to the northern end of the engineered portion of the Copperas Brook channel at the toe of TP-1 to create an improved transition from the engineered channel to the natural channel. In addition, a 300-foot section of Copperas Channel that was damaged during Tropical Storm Irene in August 2011, at the northeast corner of TP-1, was repaired. The repair included construction of a deeper channel section, placement of a one-foot thick filter stone layer, and approximately 3.7 feet of larger stone to handle a comparable storm in the future. Both of these activities were completed in 2012.

- **TP-1 and TP-2 Cover System:** Waste relocation and final grading activities on TP-1 and TP-2 were initiated in May 2011 and completed in August 2012. The work generally

consisted of the relocation and placement of waste rock and tailing from TP-1 and TP-2 to stabilize the tailing piles, creating positive drainage away from TP-1 and TP-2, and establishing a firm and stable (suitable) subgrade surface for the placement of the infiltration barrier cover system. Approximately 195,000 cy of tailing and waste rock was excavated and placed (cut and filled) during waste relocation and final grading activities. A combination of fine tailing, imported sand, and imported sump sand were used to establish a 4-inch thick cushion layer over the 45.1-acre cover system area. The cover system consisted of eight main components: a 60-mil impermeable geomembrane, a drainage geocomposite, 18-24-inches of vegetative support soil (VSS), cover system drainage features, toe details, 6-inches of topsoil, seeding and stabilization, and permanent access roads. Construction of the cover system was performed over two years, with approximately 21.9 acres completed in 2011 and 23.2 acres completed in 2012.

- **Site Restoration:** Site restoration activities were implemented in 2012 and 2013. The activities included removal of temporary access roads, replacement of damaged or removed monitoring wells, restoration of the borrow areas, repair of a slope area that was destabilized, stabilization of remaining soil and stone stockpiles, and completion of permanent access roads. Some punch list restoration items will continue into 2014 and 2015.

- **Water Treatment System:** A Water Treatment System (WTS) was constructed in 2008 to remove iron and reduce AMD impacts from the leachate discharged from the toe drains (TD) and horizontal drains (HD) of TP-1, prior to discharging to Copperas Brook. The WTS was operated from April through November during 2008 through 2012, and from May through November in 2013. The existing WTS will be operated during 2014. The WTS will need to be operated until construction of the long-term final passive treatment system under the Phase 3 NTCRA.

Phase 3 NTCRA Activities

Phase 3 of the NTCRA is the installation of the final passive treatment system to treat the discharge from the Tailing Impoundment. This activity will not be completed until leachate discharge from TP-1 drops to below 10 gallons per minute (gpm), because of the Phase 1

diversion channels and Phase 2 cover system. The leachate flow rate has been reduced from 55 gpm prior to the NTCRA to 18 gpm as of August 2014.

3.5 Basis for Taking Action

The Remedial Investigation (RI), a Human Health Risk Assessment Report (HHRA), and Baseline Ecological Risk Assessment (BERA) identify the areas where contamination may present a threat to human health or the environment.

The HHRA evaluated the potential threat to human health based upon current and future land use. In the absence of specific prohibitions to prevent development, the potential for residential use of the entire Site area was assumed in the HHRA. A summary of the HHRA is presented below.

- The lead contaminated soil in the area of the former upper and lower Copperas Factories was determined to represent a current and future threat to human health for persons who may be exposed to this contamination.

- Groundwater beneath and adjacent to TP-1, TP-2, and TP-3 contains levels of contamination that would present a threat to a person who installs a well and ingests this water in the future.

- Groundwater within the underground workings, also known as the mine pool, contains levels of contamination that would present a threat to a person who installs a well and ingests this water in the future.

The HHRA concluded that surface water and sediments throughout the Site were not a threat to human health. Recreational fish consumption was also determined not to be a threat to human health.

The BERA evaluated the potential threat to ecological receptors (fish, birds, mammals, invertebrates, etc.) from contamination at the Site. The assessment was focused on the potential for community or population level impacts for most species and individual level impacts

to threatened or endangered species. The BERA concluded that (prior to the implementation of the TCRA, NTCRA, or other cleanup actions):

- The aquatic community (including periphyton, benthic macroinvertebrates, fish, and amphibians) was being severely impacted in Copperas Brook, a portion of the WBOR downstream of Copperas Brook, and in the unnamed tributaries to Lord Brook.

- The benthic macroinvertebrate community in the WBOR did not fully recover from the biological impairment caused by the contamination contained within Copperas Brook until Union Village Dam, over four miles downstream from its confluence with Copperas Brook.

- The fish community in the WBOR was impacted for about one mile below Copperas Brook.

- The fish and benthic communities in Lord Brook were impacted for about one mile from the discharge of the unnamed tributaries.

The BERA also evaluated the section of the WBOR upstream of Copperas Brook, including the reach that assimilates the discharge from the underground mine workings at the air vent. The BERA concluded that the discharge from the air vent, did not present a threat to ecological receptors. In addition, the BERA also concluded that terrestrial habitats, outside of the NTCRA source areas, at the Site did not present a threat to ecological receptors.

4.0 REMEDIAL ACTIONS

This section describes the Remedial Actions selected for and implemented at the Site.

4.1 Remedial Action Objectives

Based on information relating to the types of contaminants, environmental media of concern and potential exposure pathways, Remedial Action Objectives (RAOs) were developed as part of the ROD. The RAOs for the selected remedy for the Site are:

Upper and Lower Copperas Factories

- Prevent direct contact or incidental ingestion of soil containing lead above 400 mg/kg.

Groundwater (Underground Workings and beneath/adjacent to TP-1, TP-2, and TP-3)

- Prevent ingestion of groundwater containing levels of site specific contamination in excess of federal Safe Drinking Water Act maximum contaminant levels (MCLs), non-zero maximum contaminant levels goals (MCLGs), or Vermont Primary Groundwater Quality Standards (VTGES), whichever is lower or, in their absence, a level that is set at a non-cancer hazard quotient of 1 or an excess cancer risk of 1×10^{-6} or less.

Lord Brook Watershed Source Areas

- Achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water in Lord Brook and the tributaries of the Lord Brook that drain the South Mine, South Open Cut, and TP-4, by reducing or preventing the release of AMD containing metal concentrations above surface water cleanup levels from these areas.

Sediments (Lower Copperas Brook, WBOR Mixing Zone, and unnamed tributaries to Lord Brook)

- Reduce sediment concentrations to levels that are no longer acutely toxic and allow the surface water to achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water in Copperas Brook, the WBOR, the unnamed tributaries to Lord Brook, and Lord Brook.

WWII Era Infrastructure Area

- Control AMD run-off from exposed waste material to allow Copperas Brook and the WBOR to achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water.

4.2 Remedy Description

The September 2006 ROD set forth the selected remedy for the Elizabeth Mine Site. Two additional response actions, a NTCRA and TCRA, were selected for the Site by EPA prior to the September 2006 ROD. The remedy selected in the 2006 ROD identified five areas of the Site, not addressed by the TCRA or NTCRA, that pose an unacceptable threats to human health and the environment. The areas are shown in Figure 4-1. The remedy for these five areas is being implemented in three phases:

Phase 1 Remedial Action: Upper and Lower Copperas Factories (CF)

The Phase 1 Remedial Action: Copperas Factories involved the placement of a two-foot layer of soil/stone over lead contaminated soil within and surrounding the Upper and Lower Copperas Factories to eliminate the human contact risk. In September 2008, EPA signed an Explanation of Significant Differences (ESD) for the September 2006 ROD to document that some portion of the lead contaminated soil excavated at the Copperas Factories would be consolidated under the cover system to be installed for TP-1 or TP-2.

Phase 2 Remedial Action: Lord Brook Source Areas (LBSA)

The Phase 2 Remedial Action: Lord Brook Source Areas was selected to minimize the discharge of ARD from the three Lord Brook Source Areas (South Open Cut, South Mine, and TP-4) to achieve federal and state water quality standards at the point of compliance. The major components of the Phase 2 Remedial Action are: diversion of surface water around the pit lakes; mitigation of the ARD created by the pit lakes and surrounding waste rock through consolidation and covering of the waste; filling and covering portions of the pit lakes; and site restoration.

Phase 3 Remedial Action: There are three components to the Phase 3 Remedial Action

Impacted Sediment (SED) Monitored natural recovery

This component of the Phase 3 Remedial Action relies upon natural processes, such as long-term burial and dispersion to change the distribution of contaminated sediments. The long-term result will be that the sediments are no longer toxic to aquatic organisms and the sediments do

not cause the surface water to fail Vermont Class B Water Quality Standards. The NTCRA and LBSA cleanup actions will eliminate the contaminant loading to Copperas Brook, WBOR, and the unnamed tributaries of Lord Brook, also reducing the acidity of the water and the leaching of contaminants into the waters. There will be no construction activities associated with this alternative. EPA will perform an initial baseline surface water, sediment, and biological monitoring program. Long-term monitoring of surface water, sediment, and the biological community will be performed.

World War II-Era Infrastructure Area (IA) Limited action (institutional controls and monitoring)

This component of the Phase 3 Remedial Action relies upon the successful implementation of the NTCRA to achieve Vermont Water Quality Standards at the point of compliance in Copperas Brook, downstream of TP-1. As a result, the only necessary activities to prevent an increase in ARD will be monitoring of the water quality at the compliance point, along with implementation and monitoring of a land use restriction that restricts any alteration of the WWII-Era Mine Infrastructure Area in a manner that would expose waste rock and create additional ARD.

Site-wide Groundwater (SW) Monitoring and institutional controls

This component of the Phase 3 Remedial Action includes land use restrictions to prevent future consumption of contaminated groundwater in limited areas of the Site. The contaminated groundwater is found within the Underground Workings of the Elizabeth Mine and within and adjacent to TP-1, TP-2, and TP-3. The TP-1 groundwater restriction may also extend into some of the WWII Infrastructure Area, depending on the extent of the final cover for TP-1. Some combination of local ordinances, deed notices, restrictive covenants, and/or other institutional controls, coupled with periodic compliance monitoring of the restrictions, would be used to provide awareness that the Underground Workings contain water that is unsuitable for ingestion and to prevent installation of a water supply well into the Underground Workings. No residential wells are currently installed in the Underground Workings.

In addition, institutional controls in the form of land use restrictions would also be used to prevent future use of the groundwater beneath and adjacent to TP-1, TP-2, and TP-3. One residential well is located within the Waste Management Area (WMA) for TP-1, TP-2, and TP-3; however, the property is no longer occupied, and the well is not currently in use. The

groundwater contamination associated with TP-1, TP-2, and TP-3 is restricted to the area under the WMA. The institutional controls, in the form of land use restrictions or other land use controls, will protect the integrity and long-term effectiveness of the response actions implemented as part of the TCRA and NTCRA. There will be a review of the remedy, at a minimum, every five years to determine whether the cleanup action remains protective of human health and the environment.

EPA has invoked a statutory Technical Impracticability (TI) Waiver in the ROD, as permitted by CERCLA, for the groundwater within the Underground Workings. EPA has determined that it is technically impracticable, from an engineering perspective, to achieve Federal Safe Drinking Water MCLs and MCLGs 40 C.F.R. Parts 141.11-.16 and 141.50-.53, and the State of Vermont Primary Groundwater Quality Standards, VT Env. Prot. R. Ch. 12-702 and 703, for the water within the Underground Workings (mine pool). Therefore, EPA has waived these standards as applicable or relevant and appropriate requirements for the groundwater within the Underground Workings. This waiver applies to all of the inorganic constituents that are present in the naturally occurring material at the Site and specifically to cadmium, copper, manganese, mercury, and nickel, which have been detected in the groundwater of the Underground Workings at concentrations above either MCLs, MCLGs, or the Vermont Primary Groundwater Quality Standards.

4.3 Remedy Implementation

4.3.1 TCRA/NTCRA

The TCRA was completed from 2003-2005 and is discussed in Section 3.4.1. The NTCRA began in 2006 and is discussed in Section 3.4.2. The Phase 1 NTCRA activities were completed in 2010 and the majority of the Phase 2 NTCRA activities were completed by the end of 2013. The NTCRA is expected to continue through 2016.

One of the primary goals of the NTCRA and Remedial Action is to achieve biological and numerical Vermont Water Quality Standards in the WBOR. The State of Vermont has considered the four-mile stretch of the WBOR below Copperas Brook to be an impaired water. Benthic invertebrate and fish community testing since 2010 has documented a dramatic recovery for the WBOR.

4.3.2 OUI Remedial Action

Of the three Remedial Action phases discussed in Section 4.1 and 4.2, only the Phase 1 Remedial Action: Upper and Lower Copperas Factories cleanup has been subject to Remedial Design and Remedial Action. The Remedial Design for the Phase 2 Remedial Action and Phase 3 Remedial Action is underway. The Phase 2 Remedial Design is expected to be completed in 2014 and the Phase 3 Remedial Design is expected to be completed in 2015.

Phase 1 Remedial Action: Upper and Lower Copperas Factories (completed)

The Copperas Factory Remedial Design was completed in 2008. The Remedial Design required a combination of in-place covering of lead-impacted material or excavation, consolidation, relocation, and covering either within a solid waste management unit at the Copperas Factories or within a waste cell area on TP-1 and TP-2. Both the in-situ cover and the consolidated lead disposal areas included placement of a two-foot thick stone cover over the waste to isolate the wastes from direct contact. The Remedial Design required the exposed foundations of the Upper and Lower Copperas Factories to be preserved as visible historic resources, to the extent practicable.

The removal of lead-contaminated soil in the Lower Copperas Factory area was performed in two phases. Between 17 June and 10 August 2009, the lead-impacted material was excavated from the northern portion of the Lower Copperas Factory remediation area, as far south as the foundation wall, an area of approximately 3,300 square feet (sf). The lead-impacted material was transported to the lead-impacted stockpile on TP-1.

The initial plan was to remove the top two feet of lead-impacted material. Confirmation soil samples collected north of the Lower Copperas Factory wall identified eight samples that exceeded the human health-based criteria of 400 parts per million (ppm). As a result, an additional two feet of lead-impacted material was excavated. An additional 39 confirmation samples were collected north of the Lower Copperas Factory wall. A total of 19 samples exceeded the human health-based criteria of 400 ppm. As result, the entire area within the lead remediation footprint north of the Lower Copperas factory wall was excavated to bedrock.

Between August 8, 2009 and August 10, 2009, the upper two feet of lead-impacted material was excavated from the Lower Copperas Factory area associated with the TP-3 sediment basin

excavation limits, an area of approximately 2,100 sf. The lead-impacted material (approximately 576 cy) was transported to the lead-impacted stockpile on TP-1.

Between 14 and 21 September 2009, the Upper and Lower Copperas Factories were backfilled with a minimum of two feet of 1- to 4-½-inch round rock. A layer of 8-ounce non-woven geotextile fabric or a 6-mil polyethylene liner was placed below the stone surface to act as a bio-barrier to limit vegetative growth. The area of covered lead-contamination was approximately 6,000 sf in the Upper Copperas Factory area and approximately 22,300 sf in the Lower Copperas Factory area.

Between August 2, 2010 and August 26, 2010, the Copperas Corridor representing the flow path of Copperas Brook from TP-3 to the TP-3 Sedimentation basin, was installed as part of the NTCRA relocation of the TP-3 material to TP-1. As result, the northern and western perimeter of the Upper Copperas Factory were stabilized with till, lime, geotextile, round rock, and boulders as necessary.

The Copperas Factory component of the Remedial Action was completed and determined to be Operational and Functional on September 27, 2010. The State of Vermont is currently responsible for all Phase 1 Remedial Action maintenance activities.

Phase 2 Remedial Action - Lord Brook Watershed Source Areas (Remedial Design Ongoing)

Portions of the LBSA remedial action are no longer necessary as a result of the NTCRA. TP-4, the mine waste within the South Open Cut haulage-way, and the majority of the mine waste at the South Mine was removed to establish the surface grade for the NTCRA Phase 2 cover system. The Phase 2 Remedial Action: Lord Brook Source Area Remedial Design will address the South Mine and South Open Cut pit lakes, associated surface water drainage channels, and any necessary passive treatment systems. EPA and VTDEC are currently evaluating whether the Phase 2 Remedial Action should be revised to include the elimination of the South Open Cut pit lake, which would require filling of a greater portion of the South Open Cut than was identified in the ROD. The RAOs for the Phase 2 Remedial Action will not be achieved until this phase of the remedial action is completed.

Phase 3 Remedial Action: Site-Wide Groundwater, Sediments, and WW-II Era Infrastructure Area (Remedial Design Ongoing)

The Phase 3 Remedial Action includes three components, which are evaluated individually below.

Sediments (Lower Copperas Brook, WBOR Mixing Zone, and unnamed tributaries to Lord Brook)

The RAO for sediment will be met some time after the completion of the NTCRA and all other remedial actions. Significant improvement has been documented for Lord Brook and Copperas Brook based on November 2013 sediment toxicity testing. In addition, the benthic community data supports significant improvement for the sediments in the WBOR.

WWII Era Infrastructure Area

The NTCRA resulted in the removal of waste material that appeared to be contributing to the discharge of copper to Copperas Brook from this area. Long-term monitoring will be performed to determine if the waste removal was successful. Even though the copper concentrations in the discharge from this area have dropped substantially, the RAOs for the WWII-era Infrastructure area have not yet been fully achieved.

Groundwater Use Restrictions (Underground Workings and beneath/adjacent to TP-1, TP-2, and TP-3)

The groundwater RAO has not been fully achieved. Land use restrictions have been put in place for TP-1 and TP-2 to prevent any future use of the groundwater for these waste areas and to protect the TCRA and NTCRA components. The extent of the area that requires land use restrictions is being finalized as part of the Phase 3 Remedial Design. The preliminary extent of the area to be subject to land use restrictions is shown in Figure 4-2.

4.4 Institutional Controls

Institutional controls (ICs) are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect the integrity of the remedy. Compliance with ICs is required to assure long-term protectiveness for any areas that do not allow for unlimited use or unrestricted exposure (UU/UE). ICs are required at the Site to ensure the protectiveness of the remedy and were selected in the OUI ROD.

The OUI ROD includes a requirement for the implementation, monitoring, and maintenance of to prevent ingestion of groundwater within the Technical Impracticability Zone and WMA and to prevent land use activities that could have an adverse impact on the Remedial Actions, including TCRA and NTCRA.

Regularly scheduled inspections will be performed to confirm that land and water-use restrictions remain in place. These inspections would be conducted as part of the Operations and Maintenance (O&M) activities.

4.4.1 IC Implementation

Institutional Controls in the form of restrictive covenants have been completed for the TCRA and NTCRA. The restrictions prevent future groundwater use and protect the completed engineered cover system and diversion features. The location of these land use restrictions is shown in Figure 4-2.

The extent of the institutional controls outside the NTCRA and TCRA will be defined by the Phase 3 Remedial Design. EPA and VTDEC will be coordinating with the landowners to implement these remaining institutional controls. Table 4-1 provides a summary of the Institutional Control objectives and the titles.

Table 4-1
Institutional Controls Summary Table
Elizabeth Mine Superfund Site
Strafford, Vermont

Media, Engineered Controls, & Areas that Do Not Support UU/UE Based on Current Conditions.	IC Objective	Title of Institutional Control Instrument Implemented
Groundwater beneath and adjacent to TP-1 and TP-2	Prevent ingestion of contaminated groundwater	GRANT OF ENVIRONMENTAL RESTRICTIONS, RIGHT OF ACCESS, AND EASEMENT (implemented)
Soil/Waste within TP-1 and TP-2 WMA	Prevent exposure to lead contamination soil and waste buried beneath cover system	GRANT OF ENVIRONMENTAL RESTRICTIONS, RIGHT OF ACCESS, AND EASEMENT (implemented)
Soil/Waste within TP-1 and TP-2 WMA Soil/Waste	Prevent impact to TCRA and NTCRA engineered structures at the Site	GRANT OF ENVIRONMENTAL RESTRICTIONS, RIGHT OF ACCESS, AND EASEMENT (implemented)
Lead contaminated soil within limits of former Copperas Factories	Prevent exposure to lead contaminated soil and waste buried beneath cover system	Not yet implemented
ICs for components of the Remedial Action not yet implemented (undergoing design)		
Groundwater within underground workings	Prevent ingestion of contaminated groundwater	Not yet implemented
Groundwater within limits of TP-3, South Open Cut, and South Mine WMA	Prevent ingestion of contaminated groundwater	Not yet implemented

4.5 Operations and Maintenance

The only components of the Site that have been completed and entered the O&M phase are the Phase 1 Remedial Action: Copperas Factories and the TCRA. The State of Vermont is responsible for maintaining the stone cover system installed as part of the Phase 1 Remedial Action: Copperas Factories. The State of Vermont performs annual inspections and removes woody vegetation that grows on the cover system. The State of Vermont also performs annual inspections of the vegetative cover on the soil buttress and toe drain/horizontal drain (TD/HD) system installed as part of the TCRA. The State of Vermont monitors and cleans the TDs/HDs, and mows the vegetation on the buttress.

5.0 PROGRESS SINCE LAST FIVE-YEAR REVIEW

This is the first Five-Year Review for the Site.

6.0 FIVE-YEAR REVIEW PROCESS

This section provides a summary of the Five-Year Review process and the actions taken by EPA to complete the review.

6.1 Administrative Components

EPA, the lead agency for this Five-Year Review, notified VTDEC that it was conducting a five-year review with a report to be completed by June 2014. The five-year review team was led by Edward Hathaway, Remedial Project Manager, of EPA's Office of Site Remediation and Restoration. Pamela Harting-Barrett is the EPA Community Involvement Coordinator for the Site and provided support in these capacities. John Schmeltzer, the Site manager for VTDEC, was also a part of the review team.
Components of this review included:

- Project Planning and Support;
- Community involvement;
- Document review;
- Data review;
- Site inspection;
- Local interviews; and
- Five-Year Review Report development.

6.2 Community Notification and Involvement

EPA issued press releases on May 9, 2013 and February 13, 2014 to provide notice of the Five-Year Review for the Elizabeth Mine Site. A copy of these press releases is included in Appendix A. A news article mentioning the Five-Year Review was contained in the February 22, 2014 Valley News, a daily newspaper with general circulation in the Site area. EPA also held a public information meeting on May 20, 2014 to provide an update of Site activities and discuss the

Five-Year Review with the community. A news article announcing the meeting to discuss the Five-Year Review was published in the May 15, 2014.

EPA sought feedback from the community and public officials (local and state) by sending an interview form via email to state and local officials. EPA received feedback from the Town of Strafford, the VTDEC, and several residents. The State, Town, and local residents were satisfied with the work completed to date and did not identify any concerns with respect to the protectiveness of the Phase 1 Remedial Action, TCRA, or NTCRA. The Town of Strafford and local residents did express concerns about the newly discovered groundwater contamination and the physical hazards at the Site, which are associated with the Phase 2 Remedial Action and Phase 3 Remedial Action. There were also some concerns raised about the transition from the interim treatment system under the Phase 2 NTCRA to the passive treatment system under the Phase 3 NTCRA. These concerns will be taken into consideration during the design and implementation of these remedial and NTCRA actions. A summary of resident comments and stakeholder interviews is provided in Appendix B.

6.3 Document Review

The Five-Year Review includes a review of documents containing information relevant to assessing the protectiveness of the Site. Documents such as the ROD provide the RAOs and selected cleanup actions for the Site. Others, such as Remedial Action Completion Report and NTCRA completion reports, detail specific actions taken at the Site. A complete bibliography of documents reviewed for this Five-Year Review can be found in Appendix C.

6.4 Data Review

Monitoring data and remedial assessment data have been collected as part of the NTCRA, remedial design, and remedial action. A summary of the reviewed data is presented below.

6.4.1 Soil Sample Data

Soil data was collected during the remedial investigation program, which took place from 2000 to 2006 to document the nature and extent of contamination at the Elizabeth Mine. This data was used to develop the human health and ecological risk assessments. At the time of the 2006

ROD, lead was the only contaminant of concern identified for soil and lead impacts were only identified within the Copperas Factories source area.

The Phase 1 Remedial Action: Copperas Factories included the collection of soil data to document that the lead soil cleanup levels had been met. Because the stone cover remains intact over the Upper Copperas Factory and Lower Copperas Factory and the stone cover would address any risk due to soil exposure, no additional soil data collection was necessary to support this Five-Year Review for the completed Phase 1 Remedial Action.

This Five-Year Review also involved the collection and assessment of soil data for areas outside the extent of the Phase 1 Remedial Action. This soil data pertains to the remedial action components that are still undergoing design and will provide a baseline for future Five-Year Reviews that assess site-wide protectiveness.

The Furnace Flats North, Furnace Flats South, and Sargent Smelter area (Tyson Smelter) along Sargent Brook are three former operational areas at the Elizabeth Mine that were not included in the TCRA, NTCRA, or ROD. These areas are not causing significant impacts to the aquatic system and no soil contaminants of concern were identified for these areas at the time of the 2006 ROD. See Figure 3-1 for the location of these areas.

There are also five areas of the Site where the cleanup action removed or covered the waste material necessary to achieve the surface water cleanup objectives but did not remove all of the existing waste material. The five areas are Tyson Shaft, WWII Area, South Mine, South Open Cut, and inter-Copperas Factories area. These areas are shown in Figure 3-1.

EPA did not estimate a quantitative risk for cobalt, copper, or iron at the time of the 2006 ROD. Since the 2006 ROD, EPA has begun quantitatively evaluating potential soil exposure risks from these metals. Because these metals are found in the ore at the Elizabeth Mine, EPA decided that the areas not included in the cleanup actions to date should be evaluated for these three constituents to allow the Phase 3 remedial design to evaluate whether these areas should be included in the site-wide remedial action. To provide an updated database for the evaluation, EPA, in November 2013, collected soil samples from all eight of the above referenced areas to provide current data to use in the Five-Year Review.

The results for arsenic, cobalt, copper, iron, and lead and corresponding sample location figures are included in Tables 6-1 through 6-6 and Figures 6-1 through 6-9. The sampling results identified elevated levels of cobalt, copper, and iron throughout these areas. High levels of arsenic were also detected in the soil samples collected at the former Tyson Shaft. Elevated levels of lead were detected in the inter-copperas area, which is not unexpected given that this area is in close proximity to the Copperas Factories where EPA performed the RA. Sporadic levels of thallium above background were also detected in the waste at the former WWII Area and the southern portion of the Furnace Flats area. The full set of data tables for soil is in Appendix G.

6.4.2 Groundwater Monitoring Data

The Phase 1 Remedial Action and TCRA did not have a groundwater component. The Phase 3 Remedial Action is the response action that focuses on addressing the ecological impacts associated with the Elizabeth Mine. There is no groundwater contamination associated with the Phase 1 Remedial Action.

This Five-Year Review also involved the collection and assessment of groundwater data for areas outside the extent of the Phase 1 Remedial Action. This groundwater data pertains to the remedial action components that are still undergoing design and will provide a baseline for future Five-Year Reviews that assess site-wide protectiveness.

The Phase 3 Remedial Action selected in the 2006 ROD included a Technical Impracticability (TI) waiver and institutional controls for groundwater. The 2006 ROD assumed that all bedrock contamination was either within the WMA for the TP-1/TP-2/TP-3 or within the underground mine workings TI zone. Additional bedrock wells were installed in 2010 to refine the conceptual site model for bedrock groundwater. The bedrock groundwater has been sampled annually since 2010 and analyzed for total and dissolved metals. In addition, residential wells in the area were re-sampled in 2013 and analyzed for total and dissolved metals in support of the Five-Year Review. The extent of the areas targeted for groundwater use restrictions along with groundwater monitoring locations are shown in Figures 6-10. The groundwater monitoring data tables are provided in Appendix G.

The residential well data confirmed that all of the residential wells, except one, show no evidence of Site impact. One residential well (MW-01C) does contain consistent concentrations of manganese above both the site-specific cleanups levels (840 µg/L) and the current Vermont Groundwater Enforcement Standard (VTGES) (300 µg/L), as well as concentrations of cobalt above a newly established tapwater regional screening level (RSL). Sporadic concentrations of thallium above the MCL are also observed in MW-01C. A statistical summary of the recent groundwater monitoring results for this well is included as Table 6-7.

Bedrock monitoring wells installed after the ROD confirmed the conceptual site model for most areas. With one exception, the extent of groundwater contamination is limited to areas within the groundwater TI zone defined in the 2006 ROD or within the WMA. In 2007, a well installed by a property owner to serve as a water supply for a potential new home (HO-1) was found to be contaminated. A monitoring well (IC-10) installed on the same property in 2010 was also found to be contaminated. These wells have identified a plume of groundwater contamination outside the WMA and the groundwater TI zone defined by the conceptual site model developed for the 2006 ROD. The newly defined area of contamination is adjacent to the largest extent of the underground mine workings and the most significant of the former waste piles (TP-3). These wells contain concentrations of cadmium, cobalt, copper, iron, manganese, nickel, and/or zinc above applicable criteria and RSLs. Sporadic concentrations of thallium above the MCL are observed in IC-10. The locations of HO-1 and IC-10 are shown in Figure 6-10. A statistical summary of the recent groundwater monitoring results for these wells is included as Table 6-7.

Other bedrock monitoring wells (IC-01, IC-02, IC-03, and IC-07) installed in the Lord Brook Source Area after the ROD confirmed the presence of groundwater impacts within the WMA but outside the area defined for groundwater restrictions in the 2006 ROD. These impacts are characterized by concentrations of manganese above the applicable VTGES and cobalt above the newly established tapwater RSL. The locations of IC-01, IC-02, IC-03, and IC-07 are shown in Figure 6-10. A statistical summary of the recent groundwater monitoring results for these wells is included as Table 6-8.

6.4.3 Surface Water Monitoring

The Phase 1 Remedial Action and TCRA did not have a surface water component. The NTCRA and Phase 2 Remedial Action are the response actions that focus on addressing the surface water impacts associated with the Elizabeth Mine.

Surface water monitoring was performed to provide an updated assessment of the ecological health of the Elizabeth Mine. EPA has been performing routine monitoring of the surface water at the Site. Surface water data is collected to assess Copperas Brook, WBOR, Lord Brook, the un-named tributaries to Lord Brook that drains from the South Mine and South Open Cut, the discharge from the TDs and HDs of TP-1, and the discharge from a groundwater interceptor trench between TP-1 and the WWII Area. The surface water monitoring locations are shown in Figure 6-11. Monitoring data tables are provided in Appendix G.

A substantial surface water database has been assembled. The surface water data continues to fit the site conceptual model and demonstrates that the NTCRA has substantially reduced the contamination to Copperas Brook and the WBOR. There has been some reduction in the contaminant concentration in the un-named tributary to Lord Brook but the contamination remains above levels acceptable for aquatic organisms.

6.4.4 Sediment Monitoring

The Phase 1 Remedial Action and TCRA did not have a sediment component. The NTCRA and Phase 2 Remedial Action are the response actions that focus on addressing the sediment impacts associated with the Elizabeth Mine.

Sediment monitoring was performed to provide an updated assessment of the ecological health of the Elizabeth Mine. In 2013, EPA performed sediment sampling and toxicity testing at seven locations in Copperas Brook, WBOR, Lord Brook, and the tributaries to Lord Brook originating from the South Mine and South Open Cut, as well as two reference locations. The sediment sampling and toxicity testing locations are shown in Figure 6-12.

The results of this sampling indicated the following:

- Although some chronic toxicity may remain, the sediment in Copperas Brook is no longer acutely toxic.
- The sediment of Lord Brook is no longer acutely toxic.
- The sediment of the South Mine and South Open Cut tributaries to Lord Brook remains acutely toxic.

These results demonstrate that the cleanup actions to date have resulted in substantial improvement in mine-related sediment toxicity, although significant impacts still exist adjacent to the discharge of South Mine and South Open Cut.

6.4.5 Biological Monitoring

The Phase 1 Remedial Action and TCRA did not have a biological component. The NTCRA and Phase 2 Remedial Action are the response actions that focus on addressing the ecological impacts associated with the Elizabeth Mine.

Biological monitoring was performed to provide an updated assessment of the ecological health of the Elizabeth Mine. The State of Vermont periodically monitors the health of the aquatic systems associated with the Elizabeth Mine. This monitoring includes assessing the health of the fish and benthic invertebrate communities in the WBOR and Lord Brook. A more substantial evaluation was performed in 2012 and 2013 to evaluate Copperas Brook and the un-named tributary to Lord Brook (VT DEC 2014).

These results demonstrate significant improvements in the abundance and density of benthic organisms in the WBOR downstream of the outfall of Copperas Brook. However similar to the sediment toxicity results described above, the Lord Brook tributaries originating from the South Mine and South Open Cut still exhibit very poor biological conditions due to acutely toxic metal concentrations. The biological assessment sample locations are shown in Figure 6-13.

6.4.6 System Performance Evaluation

Overall, the Phase 1 RA, NTCRA, and TCRA components have been performing as expected. The Phase 1 Remedial Action: Copperas Factories stone covers remain intact with good integrity to prevent human contact with the lead contaminated soil. The TCRA components have been inspected and found to be in good condition and functioning as intended. The NTCRA

components that have been completed to date have been inspected and are performing as intended.

Institutional Controls

ICs are in progress. Institutional controls are in place for the NTCRA and TCRA as described in Section 4.4.

Environmental Monitoring

EPA and VTDEC have continued to monitor the surface water, sediment, soil, groundwater, leachate flow, and biota at and near the Site. The waste rock removal from TP-3 has resulted in a 90% reduction in copper concentrations in Copperas Brook. The cover system and water diversion systems for TP-1 and TP-2 have lowered the water table within the tailing pile and caused a decrease in leachate generation from 55 gallons per minute to 18 gallons per minute. The iron load from TP-1 and TP-2 is 88% less than the load during the peak iron discharge. Biological monitoring of the primary surface water resource, WBOR, has documented that four miles of the river are no longer considered impaired. Figures 7-1 and 7-2 shows the decline in water levels in the TP-1 tailing impoundment and Figures 7-3 to 7-5 show the reduction in leachate generation, iron load reduction, and copper reduction in Copperas Brook.

6.5 Site Inspection

The Five-Year Review Site Inspections to assess the protectiveness of the remedies were performed on September 16, 2013, December 4, 2013, and May 20, 2014. The inspection on September 16, 2013 was conducted by Ed Hathaway of EPA, accompanied by Andy Boeckeler of Nobis (EPA's Site Contractor) and Cindy Woods of Avatar Environmental. The inspection on December 4, 2013 was conducted by Brett Kay of Nobis (EPA's Site Contractor). The inspection on May 20, 2014 included EPA, VTDEC, along with the representatives of the U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, the Five-Year Review contractor (Nobis) and the Phase 2 Remedial Action and Phase 3 Remedial Action contractor (AMEC). The inspection teams walked all areas of the Site, inspecting the components of the OU1 Remedial Action, TCRA, and NTCRA as well as the areas that will be subject to the Phase 2 Remedial Action and Phase 3 Remedial Action. The Site Inspection Report and Site Inspection Checklist are included

in Appendix D. Photographs documenting the Site conditions and a checklist from the December 4, 2013 and May 20, 2014 Site Inspections are included in Appendix D.

The inspections documented that the completed Phase 1 Remedial Action, TCRA, NTCRA Phase 1, and NTCRA Phase 2 cleanup actions are in good condition and no significant issues were identified. There is vegetation that requires removal from the Phase 1 Remedial Action stone cover. This is an annual maintenance activity performed by the State of Vermont. There are also some areas of erosion that continue as punch list items for the ongoing Phase 2 NTCRA.

6.6 Interviews

EPA sought feedback from state and local officials along with members of the community. EPA obtained feedback during the May 20, 2014 public information meeting and because of responses to a questionnaire to the individuals on the Site email list. The overall feedback was positive. No concerns or issues were identified with respect to the protectiveness of the Phase 1 Remedial Action, TCRA, or Phase 1 and Phase 2 NTCRA. There were concerns raised with respect to the Phase 2 Remedial Action, Phase 3 Remedial Action, and Phase 3 NTCRA. Both local officials and members of the community are concerned about the expanded area of groundwater contamination that must be addressed as part of the Phase 3 Remedial Action design. There were also concerns raised about public safety associated with the water filled pit lakes and shaft. Additional concern was raised regarding the transition from the interim Water Treatment System as part of the Phase 3 NTCRA.

7.0 TECHNICAL ASSESSMENT

This section provides a technical assessment of the completed Phase 1 Remedial Action, TCRA, and NTCRA remedies implemented at the Site, as outlined in the Comprehensive Five-Year Review Guidance (EPA, 2001a). The remedies have been evaluated based on their function in accordance with decision documents, their adherence to valid risk data and scenarios, as well as any other information that could have affected the remedy's protectiveness.

7.1 Question A: Is the Remedy (Phase 1 Remedial Action, NTCRA, and TCRA) Functioning as Intended by the Decision Documents?

Yes. The completed components of the Phase 1 Remedial Action (Copperas Factories) along with the completed components of the TCRA and NTCRA are functioning as intended by the decision documents. The lead-contaminated soil that was identified for cleanup in the ROD is either beneath a two-foot stone cover or beneath the multi-layer cover system installed on TP-1. There is no evidence of changes or damage to the stone cover or TP-1 cover system that would result in exposure to the lead-contaminated soil. The TCRA buttress and toe drain/horizontal drain system are functioning as intended. The NTCRA surface water diversion channels and cover system are also functioning as intended. The water levels within the tailing impoundment are declining and the leachate generation has experienced a steady decline because of the surface water diversion channels and cover system. In addition, the waste rock consolidation under the cover system has resulted in a substantial decrease (greater than 90%) in the copper concentrations in the surface water of Copperas Brook.

The Phase 2 and Phase 3 Remedial Actions and remaining NTCRA actions could not be addressed by this question since these actions have not yet been implemented.

7.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

The Five-Year Review evaluated the exposure assumptions, toxicity data, cleanup levels, and Remedial Action Objectives used at the time of the 2006 ROD for the completed Phase 1 Remedial Action, NTCRA, and TCRA. Sections 7.2.1 – 7.2.5 discuss the evaluation of the exposure assumptions, toxicity data, cleanup levels, and Remedial Action Objectives.

7.2.1 Are the 2006 ROD Exposure Assumptions for Phase 1 Remedial Action, NTCRA, and TCRA still valid?

No. The exposure assumptions at the time of the Remedy Selection assumed future residential use of the entire Site. With the implementation of the TCRA, NTCRA, Phase 1 Remedial Action, and future implementation of institutional controls, the future land use for the areas that involve engineered structures will not be residential. Land-use restrictions are currently in place to

ensure that the TCRA and NTCRA (Phase 1, 2, and 3) areas will remain non-residential. Land-use restrictions have not yet been put in place for the Phase 1 Remedial Action. This Five-Year Review and future evaluations of the TCRA, NTCRA, and Phase 1 Remedial Action should consider the land associated with these response actions to be non-residential. No changes in any of the ecological pathways have occurred and the results of the BERA are still valid. No changes in land use or the physical conditions of the property have occurred since the 2006 ROD, other than those changes resulting from remedial actions.

On February 6, 2014, the EPA issued new guidance for updated standard default exposure factors (EPA OSWER Directive 9200.1-120. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors). In general, the assumptions in this guidance applicable to the Site HHRA serve to lower risks and, therefore, the assumptions used in the HHRA are more protective. See Appendix E for a detailed review of changes in exposure pathways and assumptions, as well as toxicity data and risk assessment methodology, since the time of the 2006 ROD.

7.2.2 Are the toxicity data used at the time of the Remedy Selection still valid?

No. Subsequent to the Remedy Selection in the 2006 ROD, EPA developed toxicity data for cobalt, copper, and iron for use in human health risk assessment. In addition, current applicable dermal reference doses (RfDs) for cadmium and manganese and both oral and dermal RfDs for thallium differ from the values used in the 2006 HHRA. These changes do not substantively change the 2006 HHRA conclusions regarding the Phase 1 Remedial Action, NTCRA, or TCRA.

7.2.3 Are the cleanup levels for the Phase 1 Remedial Action, TCRA, and NTCRA used at the time of the Remedy Selection still valid?

Yes. The cleanup levels for the Phase 1 Remedial Action, TCRA, and NTCRA remain valid. The only cleanup levels for the Phase 1 Remedial Action was for lead in soil.

There were no cleanup levels established for the TCRA. The cleanup levels for the NTCRA are EPA and Vermont water quality standards. The cleanup levels for the NTCRA remain valid.

7.2.4 Are there changes in ARARs, Standards, or Other Criteria to Be Considered (TBCs) that would call into question the protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA?

No. As part of the Five-Year Review, the standards on which the soil, groundwater, and surface water cleanup levels established in the ROD and Action Memoranda were reviewed for changes that might affect the protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA. Based on this review, there have not been any changes to ARARs, Standards, or Other Criteria to Be Considered (TBCs) that would call into question the protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA.

7.2.5 Are the Remedial Action Objectives used at the time of the Remedy Selection still valid?

Yes. The Remedial Action Objectives (RAOs) for the Phase 1 Remedial Action, Phase 2 Remedial Action, and Phase 3 Remedial Action remain valid. The progress towards meeting these RAOs is discussed below:

> **Upper and Lower Copperas Factories RAO:** Prevent direct contact or incidental ingestion of soil containing lead above 400 mg/kg.
>
> The Phase 1 Remedial Action achieved this RAO for the area identified in the ROD for cleanup. Another area of lead contaminated soil was discovered between the two Copperas Factories. The land use assumption for this area was residential in the ROD, but the reasonable land use should be non-residential based on the implementation of the Phase 1 Remedial Action. Both the Integrated Exposure Uptake Biokinetic Model (IEUBK) for lead in children (EPA, 1994 and 2007a) and the Technical Review Workgroup (TRW) Adult Lead Model (ALM) (EPA, 2003) along with site-specific bioavailability data for lead were used to assess residential and non-residential exposure to the soil located between the two Copperas Factories. Based on both the residential exposure assessment using the IEUBK model and the non-residential exposure using the EPA Adult Lead Model, the lead contamination soil does not present a current or future threat to human health.

Based on this assessment, the Copperas Factories RAO has been met.

Groundwater (Underground Workings and beneath/adjacent to TP-1, TP-2, and TP-3): Prevent ingestion of groundwater containing levels of site specific contamination in excess of federal Safe Drinking Water Act MCLs, MCLGs, or VTGES, whichever is lower or, in their absence, a level that is set at a non-cancer hazard quotient of 1 or an excess cancer risk of 1×10^{-6} or less.

This RAO is expected to be met for the areas of groundwater contamination delineated in the ROD upon implementation of the land-use restrictions for groundwater use. This RAO cannot be fully achieved until EPA resolves the Phase 3 Remedial Action approach for the newly discovered groundwater contamination located at wells HO1, IC-10, and MW1C.

Lord Brook Watershed Source Areas: Achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water in Lord Brook and the tributaries of the Lord Brook that drain the South Mine, South Open Cut, and TP-4, by reducing or preventing the release of AMD containing metal concentrations above surface water cleanup levels from these areas.

This RAO is expected to be met upon completion of the Phase 2 Remedial Action.

Sediments (Lower Copperas Brook, WBOR Mixing Zone, and unnamed tributaries to Lord Brook): Reduce sediment concentrations to levels that are no longer acutely toxic and allow the surface water to achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water in Copperas Brook, the WBOR, the unnamed tributaries to Lord Brook, and Lord Brook.

This RAO is expected to be met after completion of the NTCRA and Phase 3 Remedial Action.

WWII-Era Infrastructure Area: Control AMD run-off from exposed waste material to allow Copperas Brook and the WBOR to achieve federal Clean Water Act and Vermont Water Quality Standards for a Class B surface water.

This RAO is expected to be met because of the completion of the NTCRA.

As described above, the RAOs established in the 2006 ROD and 2008 ESD for the completed Phase 1 Remedial Action have been met. The expectation remains that when fully implemented, the remedy at this Site will address all of the above RAOs and adequately protect human health and the environment by eliminating, reducing or controlling exposures to human and environmental receptors through treatment, engineering controls, monitoring, and institutional controls (i.e., land use restrictions). Since the TCRA and TCRA are removal actions, removal action objectives rather than RAOs were developed for these actions. The NTCRA and TCRA are also expected to fully achieve the removal action objectives established for those actions.

7.3 Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Phase 1 Remedial Action, NTCRA, or TCRA?

No. For the completed response actions (Phase 1 Remedial Action, NTCRA, and TCRA), no information came to light that would call into question the protectiveness of these completed actions.

7.4 Technical Assessment Summary

According to the data reviewed, the Site inspections, and interviews performed for this Five-year Review, the Phase 1 Remedial Action, TCRA, and NTCRA actions are functioning as intended by the ROD and Action Memoranda. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy with respect to these cleanup actions. While the overall exposure assumptions and toxicity data used for the Phase 1 Remedial Action, TCRA, and NTCRA have not changed significantly, there have been changes in the toxicity data that warrant further evaluation for areas of soil contamination outside the scope of the implemented Remedial Actions. ARARs for the Phase 1 Remedial Action, TCRA, or NTCRA have not changed in any way that would call into question the protectiveness of the cleanup performed to date.

In summary, there is no other information that calls into question the protectiveness of the completed Phase 1 Remedial Action and removal (TCRA and NTCRA).

8.0 ISSUES

There are no major issues that affect the short-term protectiveness or long-term protectiveness of the Phase 1 NTCRA, Phase 2 NTCRA, or TCRA because these actions have been completed and the applicable land use restrictions have been implemented. There are no major issues that affect the short-term protectiveness of the Phase 1 Remedial Action. Institutional controls must be completed for the Phase 1 Remedial Action to achieve long-term protectiveness.

Table 8-1
Issues
Elizabeth Mine Superfund Site
Strafford, Vermont

Issues	Affects Protectiveness (Y/N)	
	Current	**Future**
Issues for Completed Response Actions: Phase 1 Remedial Action		
Institutional controls to protect the completed cleanup action and prevent future use of the area subject to the Phase 1 Remedial Action (Copperas Factories) are not in place to ensure future long-term protectiveness.	N	Y

9.0 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Table 9-1
Recommendations and Follow-up Actions
Elizabeth Mine Superfund Site
Strafford, Vermont

Recommendations/ Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Follow-up Actions: Affects Protectiveness (Y/N)	
				Current	Future
Recommendations for Completed Response Action: Phase 1 Remedial Action					
Institutional Controls to protect the completed cover system should be completed for the Phase 1 Remedial Action.	EPA	EPA	2019	N	Y

10.0 PROTECTIVENESS STATEMENTS

Protectiveness statements are provided for the completed and ongoing components of the remedial and removal actions at the Elizabeth Mine Superfund Site but not for the yet to be implement remedial and removal actions.

10.1 Protectiveness of the Phase 1 Remedial Action: Copperas Factories

The remedy for the Phase 1 Remedial Action (Copperas Factories) currently protects human health and the environment because direct contact and incidental ingestion of the lead-contaminated soil above the cleanup levels identified in the Record of Decision have been prevented by the placement of a two-foot stone cover and the excavation of a portion of the contaminated soil and placement of such soil beneath the cover system installed as part of the NTCRA. A limited area of lead-contaminated soil identified as part of the Five-Year Review does not call into question the short-term protectiveness of the Phase 1 Remedial Action because there would not be an unacceptable threat to human health or the environment based on either the current non-residential or future residential exposure to these contaminated soils. However, for the Phase 1 Remedial Action to be protective in the long-term, institutional controls must be implemented to protect the long-term integrity of the cover system.

10.2 Protectiveness of TCRA, Phase 1 Non-Time Critical Removal Action, and Phase 2 NTCRA

The remedy for the TCRA, NTCRA Phase 1 and the completed components of the Phase 2 NTCRA protect human health and the environment because these actions have stabilized the tailing dam, decreased contact between the tailing and mine waste with water and oxygen, and reduced the levels of iron being discharged to Copperas Brook and the WBOR. The long-term institutional controls are in place for the TCRA and NTCRA. Therefore, these response actions are protective in the long-term.

11.0 ASSESSMENT OF REMEDIAL ACTION COMPONENTS YET TO BE IMPLEMENTED

Because this is the first Five-Year Review for the Elizabeth Mine Superfund Site the review included the assessment of the soil, groundwater, surface water, and sediment data for the entire site, including for the components of the remedial action that remain in the design phase and for areas where no response actions have been identified as necessary by a ROD or Action Memorandum. This assessment will provide a baseline for future five-year reviews, which assess whether site-wide protectiveness has been achieved.

11.1 Areas of Contaminated Soil

Four areas of the remedial investigation study area were determined not to represent a threat to human health or the environmental based on the 2006 HHRA and ROD. These are the Furnace Flats South, Furnace Flats North, Tyson Shaft No. 2, and the Sargent Brook Smelter Area (Tyson Smelter). At the time of the 2006 ROD, EPA did not quantify risk from exposure to cobalt, copper, or iron in soil. Subsequent to the 2006 ROD, EPA established reference doses for these three constituents, which permits a quantitative risk analysis of media containing these metals. Because cobalt, copper, and iron are found in the ore deposit at the Elizabeth Mine, these areas were the subject of soil sampling in November 2013 to allow EPA to update the risk assessment. The results from the soil sampling documented that cobalt, copper, and iron were present at concentrations well above background concentrations and in excess of preliminary risk screening concentrations. In addition, arsenic was also detected above preliminary risk screening concentrations at the Tyson Shaft No. 2.

There are also four other areas of the Site where the completed response action (Phase 1 Remedial Action, NTCRA, or TCRA) or planned response action (Phase 2 Remedial Action) did not require removal of all of the surficial mine waste in order to achieve the RAOs and cleanup levels. These areas include the South Mine, South Open Cut, WWII Infrastructure area, and the area between the Copperas Factories (inter-Copperas Factories). These areas were also sampled in November 2013. The results from the soil sampling documented that cobalt, copper, and iron were present at concentrations well above background concentrations and in excess of preliminary risk screening concentrations. The area between the two former Copperas Factories also contained elevated levels of lead.

The 2006 HHRA did not calculate hazard quotients for cobalt, copper, and iron because of a lack of Integrated Risk Information System (IRIS) approved toxicity values. Toxicity data, however, are currently available from alternate sources, including Provisional Peer Reviewed Toxicity Values (PPRTVs) (EPA, 2006 and 2008) and the 1997 Health Effects Assessment Summary Tables (HEAST) (EPA, 1997). Appendix E provides a detailed review of changes in toxicity values since the time of the 2006 ROD. Using these alternative toxicity values for cobalt, copper, and iron in a risk assessment would increase overall site non-cancer health hazards. For the areas of the Site where waste was excavated and consolidated under the cover system at TP-1, TP-2, or the former Copperas Factories, exposures to these metals has been eliminated because of the completed Phase 1 Remedial Action, TCRA, and NTCRA. Contamination remains present in other areas of the Site not subject to cleanup actions. As a result, exposure to soil containing cobalt, copper, and iron is still possible. For this reason, additional soil samples were collected in 2013 from eight areas of concern (Furnace Flats South, Furnace Flats North, Sargent Brook Smelter, Tyson Shaft, WWII Area, South Mine, South Open Cut, and the Copperas Factories) and evaluated.

The South Mine, South Open Cut, Tyson Shaft, Copperas Factories, Furnace Flats North, and Furnace Flats South areas are not in close proximity to any current residences, whereas the WWII-Era Infrastructure area and Sargent Brook Smelter (Tyson Smelter) area abut residential properties. To fully assess potent current and future human health threats, the risk calculations performed for the Five-Year Review assumed both a current non-residential and a future residential scenario for all of these areas.

For non-residential exposure, 78 days per year of exposure and 100% bioavailability were used to estimate the potential risk. For the current non-residential exposure scenario, the non-cancer Hazard Index ranged from 0.15 – 0.36, which is below the Hazard Index of 1 threshold of concern. The highest estimated potential excess cancer risk was 3×10^{-6}, which is well below the 1×10^{-4} threshold of concern. The potential lead exposure was also below EPA's target level for blood lead. These finding suggests that there is no threat to human health from non-residential exposure at the eight areas where waste may remain in place. Appendix E provides the detailed risk re-evaluation. Tables E-7A and E-7B in Appendix E present the numerical outcome of the risk evaluation.

Standard default risk assessment assumptions (including 350 days per year of exposure and 100% bioavailability for the cobalt, copper, and iron) were used to estimate the residential exposure risk. For future potential residential exposure, the non-cancer hazard index ranged from 3.6 – 8.2, which is above the hazard index of 1 threshold of concern. When the cumulative hazard index is above 1, the hazard quotients are grouped by target endpoint to better assess potential threats. Arsenic, lead, and cobalt each have individual target endpoints, whereas copper and iron have a common target endpoint which requires the hazard quotients to be combined. The revised hazard index by target endpoint are: arsenic (0 - 1.01); cobalt (0.75 – 4.76); and copper/iron (2.33 – 6.29). The hazard index by target endpoint is above 1 for cobalt and copper/iron. The highest estimated potential excess cancer risk was 5.2×10^{-5}, which is well below the 1×10^{-4} threshold of concern. The initial assessment indicated that the potential lead exposure was above EPA's target level for blood lead. This assessment using the default assumptions indicated that there may be a potential threat due to lead exposure for the area between the Copperas Factories. Site specific bioavailability data was used to better assess the site-specific threat from lead exposure. The site specific evaluation indicated that the level of lead detected in the soil would not be a threat to human health under residential use scenario. Appendix E provides the detailed risk re-evaluation, including more detail regarding the lead evaluation. Tables E-7A and E-7B in Appendix E present the numerical outcome of the risk evaluation.

The soil in the area between the former Copperas Factories contained lead at concentrations above the site-specific cleanup goal established by the 2006 ROD. Fifteen of the thirty-five samples collected had a lead concentration above the 400 mg/kg cleanup level. The average concentration was 676 mg/kg. EPA's IEUBK Model estimated that the geometric mean blood lead concentration among future residential children exposed to surface soil at the Copperas Factories would be 7.45 µg/dL. This estimate is less than EPA's established level of concern of 10 µg/dL; however, the probability that the child's blood lead concentration exceeds 10 µg/dL is 26.6 percent for future residential children. EPA's target probability is 5 percent or less. The assessment indicated that the lead in surface soil at the Copperas Factories exceeds EPA's target level of concern using the default assumption from the 2006 HHRA. As discussed below, additional site specific testing to assess the bioavailability of the lead found at the Site was performed in 2014 to provide a more site-specific assessment of the potential threat from exposure to the soil at the Copperas Factories and other areas of the Site. As a result of the site-specific testing the default bioavailability of 60% was replaced by the site-specific

bioavailability of 13.3%. The result of using the site-specific bioavailability factor indicates that the potential threat from exposure to lead under the future potential residential exposure is below the EPA level of concern.

Non-residential exposures to lead in surface soil at the Copperas Factories were evaluated using the Technical Review Workgroup (TRW) Adult Lead Model (ALM) (EPA, 2003). The ALM slope factor approach focuses on estimating fetal blood lead concentrations in women exposed to lead-contaminated soil in non-residential scenarios. The ALM estimates the 95th percentile blood lead concentration among fetuses born to women having site exposures. The ALM slope-factor approach estimated that the 95th percentile blood lead concentration among fetuses born to women industrial/commercial workers exposed to surface soil at the Copperas Factories would be 4.6 µg/dL. This estimate is less than EPA's established level of concern of 10 µg/dL. The probability that the fetal blood lead concentration exceeds 10 µg/dL is 0.2 percent for the future industrial/commercial workers exposed to surface soil. EPA's target probability is 5 percent or less. The results of the ALM indicate that adverse effects are not anticipated for fetuses of future pregnant workers exposed to lead in surface soil at the Copperas Factories. Because evaluation of this scenario indicates no adverse effects to workers, it can be assumed that there are no adverse effects to less frequent non-residential exposures, such as trespassers.

In 2014, the EPA performed in vitro bioassessibility assays (IVBA) to evaluate the likely bioavailability of lead found at the eight areas sampled in 2013. The results for this study are found in Appendix F. The IVBA method has been developed to measure the extent of lead solublization in simulated gastrointestinal fluids and provide an alternative to in vivo relative bioavailability studies. The results of this testing indicate that the bioassessibility of arsenic, cobalt, copper, iron, and lead in soil at the Site are less than 100%. The IVBA method has been accepted as a valid method for determining relative bioavailability of lead in soils. Comparison of results from in vivo relative bioavailability (RBA) studies in swine and IVBA investigations has established a correlation between IVBA and RBA results and validity of the IVBA method for evaluating site-specific lead RBA in soil (EPA, 2007b and 2009c).

The results of the site-specific IVBA evaluation of lead in soils at the Copperas Factory (IVBA=15.2%) was used to modify the bioavailability inputs to the IEUBK model (resulting

absolute soil bioavailability = 6.7%) used to evaluate future residential child exposures to lead at the Copperas Factory.

EPA's IEUBK Model estimated that the geometric mean blood lead concentration among future residential children exposed to surface soil at the Copperas Factories would be 2.46 µg/dL. This estimate is less than EPA's established level of concern of 10 µg/dL. The probability that the child's blood lead concentration exceeds 10 µg/dL is 0.14 percent for future residential children. EPA's target probability is 5 percent or less. In conclusion, potential future residential exposures to lead in surface soil at the Copperas Factories using the site-specific IVBA results do not exceed EPA's target level of concern.

It is also noted that a previous USGS study suggests that the arsenic, cobalt, copper, and iron found in the soil at the Site may have limited bioavailability (USGS, 2007). The 2014 IVBA study (Appendix F) performed to assess the soil lead contamination also included data to assess the relative bioavailability of arsenic, cobalt, copper, and iron. The method is considered reasonable for use to assess arsenic but has not yet been validated for use to formally assess cobalt, copper, and iron. The results strongly supports that the bioavailability of arsenic, cobalt, copper, and iron in the Site soils is very low. This suggests that initial risk calculations have overestimated the potential health threat.

In summary, a re-evaluation of the potential threat from soil, waste rock, slag, and roasted ore at eight sub-areas of the RI/FS study area where these materials will remain exposed at the ground surface was performed due to updated toxicity information for cobalt, copper, and iron. Arsenic and lead were also evaluated as these metals were detected above EPA screening criteria in the soil samples. This evaluation was performed to assess future potential residential exposure as well as current non-residential exposure. The risk re-evaluation is detailed in Appendix E to this Five-Year Review. The re-evaluation confirmed that there are no current threats to human health for any of the eight areas evaluated based on the non-residential exposure assumption. The re-evaluation did indicate that there may be a potential threat based on a future residential level of exposure due to the cobalt, copper, and iron present in the soil and waste at these areas. Further evaluation of this is warranted as part of the Phase 3 Remedial Action design. The site-specific bioavailability testing performed in 2014 suggests that cobalt, copper, and iron have much less bioavailability than was assumed in the risk estimated, which suggests that the hazard index may be overestimated.

The risk re-evaluation in Appendix E also presents risk-based sediment and surface water screening levels for cobalt, copper, and iron. Recent data indicates these media do not exceed the screening levels and, therefore, these metals are not a human health concern in sediment and surface water.

11.2 Groundwater Contamination

The Phase 1 Remedial Action and TCRA did not have a groundwater component. The NTCRA only addressed the groundwater within the footprint of the tailing impoundment as it related to the leachate production. The ROD did include a site-wide groundwater component of the remedial action for areas outside the WMA and TI zone. The site-wide groundwater component of the remedial action is Phase 3, which is still undergoing remedial design.

The conceptual model for the Site defined the extent of contaminated groundwater to be within the limits of the primary waste areas and within the limits of the underground workings. Additional groundwater data has been collected since the 2006 ROD, including installation of 10 monitoring wells to assist in the definition of an institutional control zone; installation of a well by a land owner for potential use as a water supply on a yet to be developed parcel; and water supply testing at existing residential wells. The monitoring wells have provided data to confirm that the groundwater contamination is limited to the WMA and TI zone in all but one area. This one area is defined by the presence of two residential water supply wells (MW1C, HO1) and one monitoring well (IC-10). The two residential water supply wells are not in use. The property where MW1C is located contains a house but it is currently unoccupied because the owners are recently deceased. The development of the property where HO1 is located did not continue after the discovery of the contamination in this well. The monitoring well (IC10) is located on the same property as HO1. Residential well testing in 2006, 2011, 2012, and 2013 documented that all of the other existing water supply wells that were in the vicinity of the Site do not contain any site related contamination.

The one area where groundwater contamination is not within the WMA and TI zone, as defined by wells MW1C, HO1, and IC10, is adjacent to the former waste area TP-3 and the underground workings. The groundwater sampling results indicated water quality that is significantly impacted by mine-related contamination in monitoring well (IC-10) and potential

water supply well (HO-1). A second property, also adjacent to TP-3 and the underground workings, appears to be contaminated with mine-related contamination. This water supply is more difficult to assess because there are fewer contaminants and the concentrations have varied widely. Sampling from this location collected prior to the ROD indicated that the well on this second property met drinking water standards, whereas samples collected post-ROD have shown a variable but consistent presence of elevated sulfate and manganese. These well locations are shown in Figure 6-10.

Other bedrock monitoring wells installed in the LBSA after the ROD confirmed the presence of groundwater impacts within the WMA but outside the area identified for groundwater use restrictions in the 2006 ROD. Therefore, land-use restrictions for these areas within the WMA that will be developed as part of the Phase 3 Remedial Action should also include groundwater use restrictions. These monitoring well locations are shown in Figure 6-10.

11.3 Summary

The design for the Phase 3 Remedial Action will evaluate the need to: expand the area subject to groundwater use restrictions to include the groundwater contamination associated with monitoring wells MW-01C, HO-1, and IC-10; include future groundwater use restriction for the IC zone associated with the WMA for the South Mine and South Open Cut; and adjust the groundwater cleanup levels for cobalt, copper, iron, manganese, and vanadium. The design for the Phase 3 Remedial Action will also need to resolve whether there are any areas of soil contamination outside the limits of the completed Phase 1 Remedial Action, Phase 2 Remedial Action, NTCRA, and TCRA that may represent a threat to human health or the environment.

In addition to soil and groundwater exposures, the Five-Year Review also included an updated screening for surface water and sediment, which confirmed the 2006 ROD conclusion that these media do not represent a threat to human health.

12.0 NEXT REVIEW

The second/next five-year review for the Elizabeth Mine Superfund Site is required five years from the approval of this, the first, five-year review.

TABLES

Table 6-1
2013 Surface Soil Cobalt Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Furnace Flat South		Copperas Factories		South Open Cut		WWII Infrastructure Area		South Mine		Tyson Shaft		Furnace Flat North		Sargent Smelter	
Sample	Cobalt	Sample	Cobalt	Sample	Cobalt	Sample	Cobalt	Sample	Cobalt	Sample	Cobalt	Sample	Cobalt	Sample	Cobalt
FFS7	**59**	CF23	**70**	SC8	**87**	WWB12	**61**	SM3	**130**	TS5	**83**	FFN24	**72**	SB6	**360**
FFS16	**57**	CF4	**63**	SC33	**78**	WWB10	**57**	SM2	**77**	TS3	**42**	FFN25	**39**	SB18	**210**
FFS4	**42**	CF19	**60**	SC21	**57**	WWB11	**47**	SM21	**64**	TS3	**40**	FFN8	**25**	SB1	**110**
FFS29	**41**	CF21	**53**	SC20	**53**	WWB8	**45**	SM01	**46**	TS16	**27**	FFN27	23	SB24	**98**
FFS28	**38**	CF17	**46**	SC11	**51**	WWB9	**42**	SM22	**43**	TS15	23	FFN26	22	SB20	**96**
FFS9	**37**	CF22	**36**	SC35	**50**	WWB13	**41**	SM5	**40**	TS17	20	FFN28	20	SB7D	**84**
FFS27	**35**	CF33	21	SC17	**45**	WWB20D	**35**	SM25	**39**	TS20D	15	FFN1	18	SB32	**83**
FFS31	**34**	CF24	20	SC35D	**45**	WWB19	**35**	SM24	**38**	TS20	14	FFN23	18	SB9	**83**
FFS2	**32**	CF6	20	SC20D	**44**	WWB20	**32**	SM14	**37**	TS19	13	FFN16	9	SB7	**81**
FFS3	**31**	CF25	20	SC17	**42**	WWB14	**31**	SM7	**35**	TS1	11	FFN19	7	SB14	**72**
FFS1	**30**	CF31	15	SC26	**38**	WWB7	**28**	SM4	**32**	TS21	14	FFN17	7	SB10	**67**
FFS10	**30**	CF35	12	SC18	**36**	WWB21	20	SM23	**32**	TS2	20 U	FFN2	12 U	SB33	**61**
FFS5	**28**	CF30	10	SC9	**30**	WWB18	20	SM10	**27**	TS6	20 U	FFN3	12 U	SB4	**60**
FFS6	**28**	CF27	8	SC2	**28**	WWB25D	18	SM6	**24**	TS9	20 U	FFN4	12 U	SB3	**37**
FFS24	**25**	CF12	30 U	SC34	**27**	WWB21	17	SM20	**24**	TS10	20 U	FFN5	12 U	SB25	**34**
FFS2	22	CF18	30 U	SC1	**25**	WWB15	16	SM8	**24**	TS11	20 U	FFN6	12 U	SB28	**33**
FFS14	22	CF7	28 U	SC16	**25**	WWB25	15	SM20D	23	TS12	20 U	FFN7	16 U	SB13	**33**
FFS17	21	CF8	24 U	SC14	**24**	WWB17	13	SM12	22	TS13	20 U	FFN9	9.8 U	SB31	**31**
FFS8	20	CF5	20 U	SC13	23	WWB22	12	SM18	19	TS14	20 U	FFN10	20 U	SB17	**30**
FFS20	20	CF5	20 U	SC22	23	WWB6	12	SM26	19	TS18	20 U	FFN11	30 U	SB12	**29**
FFS12	17	CF7D	20 U	SC19	22	WWB16	12	SM30	16	TS4	10 U	FFN12	10 U	SB31D	**28**
FFS11	16	CF1	20 U	SC7	20	WWB24	11	SM16	16	TS7	10 U	FFN13	12 U	SB11	**26**
FFS21	16	CF16	18 U	SC15	20	WWB5	11	SM30D	16	TS8	10 U	FFN14	20 U	SB2	**24**
FFS22	16	CF9	16 U	SC31	19	WWB2	10	SM9	15	TS22	20 U	FFN15	5.8 U	SB5	**24**
FFS23	16	CF11	16 U	SC7	19	WWB23	9	SM19	14	TS22	20 U	FFN18	8 U	SB29	23
FFS21	15	CF34	14 U	SC10	19	WWB2	10 U	SM11	12	TS23	31 U	FFN20	10 U	SB15	23
FFS25	14	CF3	14 U	SC5	19	WWB1	9.8 U	SM15	10	TS24	20 U	FFN20D	12 U	SB22	22
FFS30	13	CF15	14 U	SC12	18	WWB3	9.8 U	SM29	9	TS25	30 U	FFN21	6 U	SB30	22
FFS32	12	CF26	14 U	SC32	10	WWB4	9.8 U	SM13	20 U	TS26	12 U	FFN22	9.8 U	SB23	20
FFS13	11	CF2	12 U	SC30	14 U			SM28	10 U	TS27	16 U	FFN29	8.0 U	SB19	19
FFS18	11	CF28	10 U	SC27	12 U			SM15	9.8 U	TS28	50 U	FFN30	12 U	SB27	19
FFS26	11	CF34D	10 U	SC29	12 U			SM17	9.8 U	TS29	30 U	FFN30D	16 U	SB19	19
FFS26D	10	CF35	10 U	SC3	12 U			SM27	9.8 U	TS30	19 U	FFN30	12 U	SB16	18
FFS19D	9	CF29	10 U	SC6	12 U					TS30D	20 U	FFN11	30 U	SB21	17
FFS15	8	CF32	10 U	SC25	10 U									SB26	14
FFS19	8	CF20	9.8 U	SC4	9.8 U										
		CF10	9.6 U	SC24	9.6 U										
		CF13	9.6 U	SC28	9.6 U										
		CF14	8 U												

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil clean-up level of 23 mg/kg.
2. "U" indicates the compound was not detected above the laboratory detection limit and the method detection limit value is shown.

Table 6-2
2013 Surface Soil Copper Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Furnace Flat South		Copperas Factories		South Open Cut		WWII Infrastructure Area		South Mine		Tyson Shaft		Furnace Flat North		Sargent Smelter	
Sample	Copper	Sample	Copper	Sample	Copper	Sample	Copper	Sample	Copper	Sample	Copper	Sample	Copper	Sample	Copper
FFS7	**3,800**	CF28	**2,600**	SC6	**11,000**	WWB19	**3,000**	SM3	**3,000**	TS27	**28,000**	FFN4	**20,000**	SB32	**8,200**
FFS16	**3,600**	CF23	**1,900**	SC28	**10,000**	WWB13	**2,700**	SM2	**2,800**	TS7	**11,000**	FFN5	**15,000**	SB18	**8,100**
FFS1	**2,700**	CF34	**1,900**	SC8	**2,700**	WWB9	**2,500**	SM24	**2,400**	TS16	**7,400**	FFN3	**13,000**	SB6	**5,800**
FFS17	**2,700**	CF29	**1,700**	SC3	**2,600**	WWB10	**2,400**	SM21	**2,100**	TS8	**7,300**	FFN24	**5,600**	SB7	**5,600**
FFS21	**2,400**	CF35	**1,600**	SC7	**2,600**	WWB12	**2,300**	SM26	**2,000**	TS29	**7,300**	FFN25	**4,300**	SB9	**5,600**
FFS21	**2,200**	CF35D	1,400	SC10	**2,500**	WWB2	**2,300**	SM20	**1,700**	TS10	**6,600**	FFN2	**4,100**	SB1	**5,100**
FFS10	**2,000**	CF12	1,100	SC25	**2,300**	WWB2	**2,300**	SM19	**1,600**	TS18	**4,400**	FFN23	**2,300**	SB7D	**5,000**
FFS9	**2,000**	CF22	1,100	SC7	**2,100**	WWB8	**2,200**	SM20D	**1,600**	TS30D	**2,600**	FFN6	1,500	SB33	**4,600**
FFS14	**1,900**	CF33	1,100	SC5	**1,900**	WWB11	**2,100**	SM22	**1,600**	TS30	**2,500**	FFN30D	1,500	SB14	**3,600**
FFS11	**1,800**	CF4	1,100	SC16	**1,600**	WWB20	**1,800**	SM12	1,500	TS5	**2,400**	FFN1	1,200	SB20	**3,500**
FFS2	**1,800**	CF18	990	SC27	**1,600**	WWB4	**1,800**	SM25	1,500	TS25	**2,300**	FFN16	1,200	SB11	**2,900**
FFS8	**1,800**	CF6	950	SC9	1,500	WWB18	**1,700**	SM15	1,400	TS24	**2,200**	FFN20D	1,200	SB10	**2,600**
FFS2	**1,600**	CF19	930	SC29	1,400	WWB20D	**1,700**	SM16	1,300	TS28	**2,100**	FFN22	1,200	SB12	**2,500**
FFS24	**1,600**	CF17	910	SC33	1,400	WWB14	**1,600**	SM23	1,300	TS23	**2,000**	FFN7	1,100	SB31	**2,400**
FFS29	1,500	CF21	870	SC34	1,400	WWB7	**1,600**	SM27	1,300	TS15	**1,800**	FFN18	1,100	SB4	**2,400**
FFS4	1,500	CF9	850	SC4	1,400	WWB15	1,300	SM7	1,300	TS2	**1,700**	FFN26	1,100	SB31D	**2,300**
FFS27	1,300	CF11	740	SC1	1,300	WWB21	1,200	SM14	1,200	TS9	**1,600**	FFN27	1,100	SB24	**1,900**
FFS28	1,300	CF1	720	SC2	1,300	WWB22	1,200	SM15	1,200	TS26	**1,600**	FFN14	1,000	SB3	**1,700**
FFS22	1,100	CF24	720	SC31	1,300	WWB21	1,100	SM28	1,200	TS17	1,500	FFN19	780	SB5	1,500
FFS26	1,100	CF5	660	SC15	1,200	WWB23	1,100	SM30	1,200	TS11	1,200	FFN30	770	SB25	1,300
FFS3	1,100	CF5	640	SC17	1,200	WWB24	1,100	SM5	1,200	TS12	1,100	FFN20	760	SB30	1,300
FFS12	1,000	CF34D	620	SC17	1,200	WWB17	1,000	SM6	1,200	TS14	1,000	FFN8	750	SB19	1,200
FFS20	1,000	CF26	580	SC18	1,200	WWB25	1,000	SM8	1,200	TS13	860	FFN28	750	SB21	1,200
FFS6	1,000	CF32	580	SC21	1,200	WWB3	1,000	SM01	1,100	TS4	860	FFN11	690	SB22	1,200
FFS26D	910	CF31	570	SC30	1,100	WWB16	980	SM11	1,100	TS1	700	FFN13	690	SB13	1,200
FFS25	840	CF25	560	SC24	1,000	WWB25D	750	SM18	1,100	TS3	550	FFN12	590	SB15	930
FFS5	810	CF7D	560	SC11	990	WWB1	730	SM30D	1,100	TS22	540	FFN21	550	SB2	920
FFS23	770	CF8	560	SC26	930	WWB6	680	SM4	1,100	TS3	520	FFN29	470	SB16	830
FFS19	760	CF30	510	SC20	760	WWB5	640	SM13	960	TS22	500	FFN17	410	SB27	800
FFS15	720	CF7	500	SC35	760			SM29	950	TS6	340	FFN15	400	SB28	690
FFS31	720	CF10	450	SC35D	760			SM17	830	TS20D	230	FFN9	360	SB17	680
FFS19D	710	CF27	410	SC32	680			SM10	590	TS20	200	FFN10	310	SB29	530
FFS13	500	CF14	400	SC14	670			SM9	510	TS21	93	FFN11	690	SB26	340
FFS30	390	CF15	380	SC20D	560					TS19	91	FFN30	780	SB23	240
FFS32	270	CF3	380	SC12	520									SB19	1,200
FFS18	230	CF2	360	SC13	390										
		CF13	340	SC19	370										
		CF16	280	SC22	200										
		CF20	280												

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil clean-up level of 1,564 mg/kg.

Table 6-3
2013 Surface Soil Iron Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Furnace Flat South		Copperas Factories		South Open Cut		WWII Infrastructure Area		South Mine		Tyson Shaft		Furnace Flat North		Sargent Smelter	
Sample	Iron	Sample	Iron	Sample	Iron	Sample	Iron	Sample	Iron	Sample	Iron	Sample	Iron	Sample	Iron
FFS17	**240,000**	CF12	**320,000**	SC30	**180,000**	WWB1	**170,000**	SM28	**160,000**	TS28	**320,000**	FFN11	**230,000**	SB6	**350,000**
FFS29	**230,000**	CF18	**250,000**	SC6	**180,000**	WWB2	**170,000**	SM15	**150,000**	TS23	**290,000**	FFN14	**200,000**	SB33	**200,000**
FFS16	**180,000**	CF11	**230,000**	SC25	**160,000**	WWB2	**170,000**	SM15	**140,000**	TS16	**280,000**	FFN4	**180,000**	SB18	**180,000**
FFS28	**180,000**	CF22	**230,000**	SC27	**160,000**	WWB3	**150,000**	SM17	**130,000**	TS12	**270,000**	FFN7	**180,000**	SB20	**150,000**
FFS27	**170,000**	CF1	**220,000**	SC31	**160,000**	WWB4	**140,000**	SM19	**130,000**	TS13	**270,000**	FFN27	**180,000**	SB7	**110,000**
FFS1	**160,000**	CF7	**210,000**	SC28	**150,000**	WWB23	**110,000**	SM27	**130,000**	TS29	**260,000**	FFN3	**170,000**	SB7D	**110,000**
FFS11	**160,000**	CF8	**210,000**	SC29	**150,000**	WWB24	**92,000**	SM13	**120,000**	TS15	**250,000**	FFN26	**170,000**	SB1	**99,000**
FFS9	**160,000**	CF26	**200,000**	SC3	**150,000**	WWB25	**85,000**	SM30	**120,000**	TS17	**250,000**	FFN6	**160,000**	SB10	**76,000**
FFS10	**150,000**	CF7D	**200,000**	SC1	**140,000**	WWB5	**80,000**	SM30D	**120,000**	TS24	**250,000**	FFN30D	**160,000**	SB9	**67,000**
FFS6	**150,000**	CF16	**190,000**	SC10	**140,000**	WWB13	**76,000**	SM8	**120,000**	TS2	**240,000**	FFN5	**150,000**	SB14	**65,000**
FFS8	**150,000**	CF5	**190,000**	SC24	**140,000**	WWB22	**76,000**	SM18	**110,000**	TS11	**240,000**	FFN9	**150,000**	SB24	**51,000**
FFS2	**140,000**	CF6	**190,000**	SC7	**140,000**	WWB14	**75,000**	SM2	**110,000**	TS9	**230,000**	FFN10	**140,000**	SB4	**51,000**
FFS5	**140,000**	CF19	**180,000**	SC4	**130,000**	WWB16	**69,000**	SM11	**100,000**	TS10	**230,000**	FFN20D	**140,000**	SB32	**50,000**
FFS3	**130,000**	CF24	**180,000**	SC7	**130,000**	WWB15	**68,000**	SM16	**100,000**	TS25	**220,000**	FFN22	140,000	SB19	**38,000**
FFS4	**130,000**	CF31	**180,000**	SC32	**110,000**	WWB17	**68,000**	SM20	**100,000**	TS27	**220,000**	FFN2	130,000	SB25	**36,000**
FFS7	**130,000**	CF5	**180,000**	SC5	**110,000**	WWB25D	**68,000**	SM3	**100,000**	TS22	**200,000**	FFN8	130,000	SB19	**36,000**
FFS2	**110,000**	CF9	**170,000**	SC16	**95,000**	WWB12	**66,000**	SM6	**100,000**	TS30	**190,000**	FFN13	130,000	SB30	**34,000**
FFS15	**84,000**	CF15	**150,000**	SC9	**95,000**	WWB6	**66,000**	SM20D	**99,000**	TS6	**180,000**	FFN30	130,000	SB13	**34,000**
FFS31	**82,000**	CF23	**150,000**	SC8	**90,000**	WWB7	**66,000**	SM14	**98,000**	TS18	**180,000**	FFN1	120,000	SB23	**30,000**
FFS19	**68,000**	CF29	**150,000**	SC15	**80,000**	WWB21	**65,000**	SM26	**95,000**	TS30D	**180,000**	FFN20	120,000	SB3	**30,000**
FFS19D	**62,000**	CF3	**150,000**	SC34	**79,000**	WWB11	**64,000**	SM5	**92,000**	TS7	**170,000**	FFN12	110,000	SB21	**28,000**
FFS22	**54,000**	CF33	**150,000**	SC2	**76,000**	WWB19	**63,000**	SM29	**89,000**	TS26	**170,000**	FFN28	110,000	SB22	**28,000**
FFS30	**43,000**	CF35	**150,000**	SC26	**75,000**	WWB10	**62,000**	SM4	**89,000**	TS8	**160,000**	FFN18	100,000	SB28	**28,000**
FFS18	**42,000**	CF17	**140,000**	SC18	**71,000**	WWB18	**62,000**	SM23	**87,000**	TS14	**140,000**	FFN29	90,000	SB29	27,000
FFS25	**42,000**	CF2	**140,000**	SC17	**66,000**	WWB21	**59,000**	SM7	**87,000**	TS4	**130,000**	FFN21	86,000	SB2	27,000
FFS24	**41,000**	CF25	**140,000**	SC17	**64,000**	WWB20D	**55,000**	SM01	**72,000**	TS3	120,000	FFN17	80,000	SB5	27,000
FFS26	**39,000**	CF35	**140,000**	SC35D	**64,000**	WWB8	**54,000**	SM24	**68,000**	TS3	110,000	FFN16	76,000	SB12	27,000
FFS21	**34,000**	CF4	**140,000**	SC35	**61,000**	WWB9	**54,000**	SM9	**67,000**	TS5	70,000	FFN24	59,000	SB11	25,000
FFS21	**33,000**	CF20	**130,000**	SC14	**60,000**	WWB20	**50,000**	SM12	**66,000**	TS1	45,000	FFN25	59,000	SB27	24,000
FFS23	**33,000**	CF21	**130,000**	SC11	**59,000**			SM10	**62,000**	TS19	31,000	FFN15	58,000	SB31	24,000
FFS26D	**33,000**	CF28	**130,000**	SC33	**51,000**			SM22	**52,000**	TS20D	28,000	FFN19	56,000	SB15	24,000
FFS32	**33,000**	CF32	**130,000**	SC19	**40,000**			SM25	**48,000**	TS21	28,000	FFN23	33,000	SB31D	22,000
FFS20	**31,000**	CF34D	**130,000**	SC20	**38,000**			SM21	**45,000**	TS20	26,000	FFN30	120,000	SB16	21,000
FFS14	**30,000**	CF14	**120,000**	SC21	**38,000**					TS22	210,000	FFN11	190,000	SB26	20,000
FFS12	20,000	CF10	**110,000**	SC20D	**36,000**									SB17	17,000
FFS13	14,000	CF13	**110,000**	SC13	**35,000**										
		CF34	**110,000**	SC12	**34,000**										
		CF27	**52,000**	SC22	**32,000**										
		CF30	**41,000**												

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil clean-up level of 27,375 mg/kg.

Table 6-4
2013 Surface Soil Arsenic Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Tyson Shaft		WWII Infrastructure Area		South Mine		Furnace Flat South		Copperas Factories		South Open Cut		Furnace Flat North		Sargent Smelter	
Sample	arsenic	Sample	arsenic	Sample	arsenic	Sample	arsenic	Sample	arsenic	Sample	arsenic	Sample	arsenic	Sample	arsenic
TS8	**100**	WWB2	10 U	SM13	20 U	FFS17	**14**	CF13	9.6 U	SC30	14 U	FFN9	**18**	SB20	**36**
TS30	**75**	WWB2	10 U	SM13	20 U	FFS6	**9.9**	CF4	12 U	SC27	12 U	FFN25	**14**	SB7D	**17**
TS10	**68**	WWB1	9.8 U	SM28	10 U	FFS15	**6.5**	CF5	20 U	SC29	12 U	FFN1	12 U	SB1	**16**
TS12	**67**	WWB3	9.8 U	SM15	9.8 U	FFS22	**4.0**	CF5	20 U	SC31	12 U	FFN2	12 U	SB7	**14**
TS30D	**64**	WWB4	9.8 U	SM17	9.8 U	FFS1	10 U	CF6	16 U	SC1	12 U	FFN3	12 U	SB9	**12**
TS2	**60**	WWB23	7.8 U	SM19	9.8 U	FFS2	10 U	CF7	28 U	SC3	12 U	FFN4	12 U	SB32	**6.4**
TS22	**59**	WWB24	7.8 U	SM27	9.8 U	FFS2	10 U	CF7D	20 U	SC6	12 U	FFN5	12 U	SB4	**4.4**
TS9	**56**	WWB23	7.8 U	SM2	8.2 U	FFS3	10 U	CF8	24 U	SC25	10 U	FFN6	12 U	SB3	**4**
TS22	**56**	WWB24	7.8 U	SM6	8.2 U	FFS4	9.8 U	CF9	16 U	SC7	10 U	FFN7	16 U	SB18	20 U
TS14	**52**	WWB22	6 U	SM20	8 U	FFS5	9.8 U	CF11	16 U	SC7	10 U	FFN8	9.8 U	SB19	4 U
TS17	**49**	WWB5	6 U	SM20D	8 U	FFS7	9.8 U	CF12	30 U	SC10	10 U	FFN10	20 U	SB21	4 U
TS7	**43**	WWB13	6 U	SM30	8 U	FFS8	9.8 U	CF16	18 U	SC4	9.8 U	FFN11	30 U	SB22	4.1 U
TS13	**34**	WWB14	6 U	SM3	7.8 U	FFS9	10 U	CF17	14 U	SC24	9.6 U	FFN11	30 U	SB23	4.1 U
TS15	**26**	WWB22	6 U	SM16	7.7 U	FFS10	10 U	CF18	30 U	SC28	9.6 U	FFN12	10 U	SB24	4 U
TS11	**25**	WWB21	5.9 U	SM18	7.7 U	FFS11	14 U	CF31	12 U	SC5	8 U	FFN13	12 U	SB25	12 U
TS4	**16**	WWB21	5.9 U	SM30D	7.7 U	FFS12	10 U	CF32	10 U	SC32	8 U	FFN14	20 U	SB26	4 U
TS26	**15**	WWB25D	5.9 U	SM01	6.1 U	FFS13	5.8 U	CF33	10 U	SC16	7.8 U	FFN15	5.8 U	SB27	3.8 U
TS3	10 U	WWB17	5.9 U	SM4	6.1 U	FFS14	6 U	CF19	18 U	SC8	6.1 U	FFN16	5.9 U	SB28	4.1 U
TS3	10 U	WWB21	5.9 U	SM5	6.1 U	FFS16	19 U	CF20	9.8 U	SC17	6 U	FFN17	5.9 U	SB29	4.1 U
TS5	10 U	WWB21	5.9 U	SM8	6.1 U	FFS18	4 U	CF22	20 U	SC17	6 U	FFN18	8 U	SB30	3.9 U
TS6	20 U	WWB25D	5.9 U	SM26	6.1 U	FFS19	5.9 U	CF23	14 U	SC18	6 U	FFN19	3.9 U	SB31	3.9 U
TS16	20 U	WWB25	5.8 U	SM9	6 U	FFS19D	3.9 U	CF24	18 U	SC26	6 U	FFN20	10 U	SB31D	3.9 U
TS18	20 U	WWB25	5.8 U	SM12	6 U	FFS20	3.9 U	CF25	16 U	SC2	6 U	FFN20D	12 U	SB33	30 U
TS19	6 U	WWB20D	4 U	SM23	6 U	FFS21	4 U	CF28	10 U	SC9	5.9 U	FFN21	6 U	SB2	3.9 U
TS20	5.9 U	WWB6	4 U	SM24	6 U	FFS21	4 U	CF34	14 U	SC15	5.9 U	FFN22	9.8 U	SB5	4 U
TS20D	5.9 U	WWB8	4 U	SM7	5.9 U	FFS23	U	CF34D	10 U	SC34	5.9 U	FFN23	3.9 U	SB6	40 U
TS1	3.9 U	WWB10	4 U	SM10	5.9 U	FFS24	U	CF35	10 U	SC12	4.1 U	FFN24	6 U	SB10	10 U
TS21	6 U	WWB12	4 U	SM14	5.9 U	FFS25	U	CF35	10 U	SC13	4.1 U	FFN26	16 U	SB11	4 U
TS23	31 U	WWB15	4 U	SM29	5.9 U	FFS26	U	CF1	20 U	SC19	4 U	FFN27	20 U	SB12	3.9 U
TS24	20 U	WWB20	4 U	SM11	5.8 U	FFS26D	U	CF2	12 U	SC20	4 U	FFN28	10 U	SB13	4 U
TS25	30 U	WWB20D	4 U	SM22	4.1 U	FFS27	U	CF3	14 U	SC11	4 U	FFN29	8 U	SB14	9.6 U
TS27	16 U	WWB7	3.9 U	SM21	4 U	FFS28	U	CF10	9.6 U	SC33	4 U	FFN30	12 U	SB15	4 U
TS28	50 U	WWB9	3.9 U	SM25	3.9 U	FFS29	U	CF14	8 U	SC20D	4 U	FFN30D	16 U	SB16	3.8 U
TS29	30 U	WWB11	3.8 U			FFS30	U	CF15	14 U	SC21	3.9 U	FFN30	12 U	SB17	4 U
		WWB16	3.8 U			FFS31	U	CF21	8 U	SC22	3.9 U			SB19	4.0 U
		WWB18	3.8 U			FFS32	U	CF26	14 U	SC14	3.9 U				
		WWB19	3.8 U					CF27	4 U	SC35D	3.9 U				
								CF29	10 U	SC35	3.8 U				
								CF30	4.1 U						

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil screening level of 0.61 mg/kg.
2. "U" indicates the compound was not detected above the laboratory detection limit and the method detection limit value is shown.

Table 6-5
2013 Surface Soil Lead Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Copperas Factories		Furnace Flat South		South Open Cut		WWII Infrastructure Area		South Mine		Tyson Shaft		Furnace Flat North		Sargent Smelter	
Sample	lead	Sample	lead	Sample	lead	Sample	lead	Sample	lead	Sample	lead	Sample	lead	Sample	lead
CF20	**3,600**	FFS7	**650**	SC11	41	WWB24	48	SM19	32	TS30	300	FFN11	170	SB20	91
CF12	**3,100**	FFS28	190	SC30	17	WWB10	45	SM9	32	TS30D	240	FFN11	160	SB7D	80
CF25	**2,500**	FFS27	140	SC16	16	WWB11	45	SM15	31	TS22	160	FFN25	100	SB7	77
CF7D	**2,300**	FFS29	110	SC24	15	WWB12	41	SM5	31	TS22	160	FFN2	66	SB1	73
CF22	**1,400**	FFS5	78	SC25	14	WWB13	40	SM6	30	TS26	150	FFN9	62	SB32	65
CF7	**1,300**	FFS17	70	SC10	14	WWB2	36	SM7	30	TS14	140	FFN5	52	SB33	60
CF4	**1,200**	FFS8	59	SC15	14	WWB25	36	SM8	30	TS11	120	FFN10	52	SB9	52
CF6	**1,200**	FFS9	58	SC12	12	WWB2	34	SM28	29	TS23	110	FFN14	51	SB10	36
CF24	**1,000**	FFS10	57	SC4	11	WWB7	34	SM2	29	TS17	97	FFN17	47	SB4	29
CF5	**1,000**	FFS4	52	SC18	10	WWB9	34	SM15	27	TS15	93	FFN30D	47	SB14	20
CF5	**970**	FFS11	51	SC13	10	WWB14	33	SM3	26	TS13	88	FFN30	46	SB19	19
CF16	**810**	FFS1	46	SC34	10	WWB8	32	SM4	26	TS25	86	FFN27	44	SB23	19
CF11	**790**	FFS2	45	SC19	10	WWB22	31	SM01	22	TS16	79	FFN30	44	SB3	19
CF23	**760**	FFS3	45	SC26	10	WWB16	29	SM20	21	TS24	79	FFN4	42	SB19	18
CF21	**750**	FFS6	45	SC20D	9	WWB18	29	SM20D	21	TS2	75	FFN3	41	SB30	17
CF19	390	FFS2	44	SC20	9	WWB25D	28	SM26	21	TS9	75	FFN7	41	SB31	17
CF1	310	FFS16	37	SC2	9	WWB15	27	SM23	20	TS18	71	FFN12	40	SB31D	16
CF35	290	FFS13	29	SC14	9	WWB17	27	SM13	20	TS12	68	FFN26	37	SB13	16
CF8	290	FFS12	25	SC21	8	WWB23	26	SM27	19	TS8	62	FFN28	35	SB21	15
CF17	280	FFS15	25	SC22	8	WWB5	25	SM10	19	TS7	61	FFN1	32	SB22	15
CF35	260	FFS21	23	SC9	8	WWB21	25	SM16	17	TS29	58	FFN18	26	SB24	15
CF15	250	FFS14	22	SC35	8	WWB19	24	SM24	17	TS10	39	FFN13	25	SB5	15
CF3	210	FFS21	21	SC33	8	WWB21	22	SM25	17	TS27	37	FFN8	21	SB12	14
CF10	200	FFS22	21	SC35D	8	WWB20	20	SM17	16	TS4	28	FFN29	19	SB28	13
CF9	180	FFS19	16	SC8	7	WWB20D	20	SM29	15	TS21	21	FFN21	17	SB2	13
CF13	170	FFS31	16	SC17	7	WWB6	18	SM12	14	TS1	18	FFN24	17	SB11	13
CF34	120	FFS25	15	SC17	6	WWB3	15	SM22	13	TS19	17	FFN19	14	SB29	12
CF34D	120	FFS18	14	SC27	12 U	WWB4	15	SM14	11	TS5	14	FFN23	14	SB27	11
CF26	110	FFS26D	14	SC28	9.6 U	WWB1	9.8 U	SM21	11	TS20D	12	FFN15	13	SB15	11
CF32	79	FFS24	13	SC29	12 U			SM11	10	TS3	11	FFN16	13	SB16	11
CF31	69	FFS26	13	SC31	12 U			SM30D	10	TS3	10	FFN6	12 U	SB26	9
CF33	69	FFS20	12	SC1	12 U			SM18	10	TS20	10	FFN20	20 U	SB17	8
CF30	55	FFS19D	11	SC3	12 U			SM30	8	TS6	ND	FFN20D	24 U	SB18	40 U
CF2	52	FFS23	11	SC5	8 U					TS28	ND	FFN22	20 U	SB25	24 U
CF14	44	FFS30	11	SC6	12 U									SB6	80 U
CF18	34	FFS32	11	SC7	10 U										
CF29	33			SC7	10 U										
CF27	31			SC32	8 U										
CF28	27														

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil PRG level of 400 mg/kg.
2. "U" indicates the compound was not detected above the laboratory detection limit and the method detection limit value is shown.

Table 6-6
2013 Surface Soil Thallium Data
Elizabeth Mines Superfund Site
Strafford, Vermont

Furnace Flat South		Copperas Factories		South Open Cut		WWII Infrastructure Area		South Mine		Tyson Shaft		Furnace Flat North		Sargent Smelter	
Sample	thallium	Sample	thallium	Sample	thallium	Sample	thallium	Sample	thallium	Sample	thallium	Sample	thallium	Sample	thallium
FFS17	**6.9**	CF12	30 U	SC30	14 U	WWB19	**6.0**	SM13	20 U	TS28	50 U	FFN11	30 U	SB6	40 U
FFS19D	4.5	CF18	30 U	SC27	12 U	WWB20	**5.8**	SM28	10 U	TS23	31 U	FFN11	30 U	SB33	30 U
FFS18	4.3	CF7	28 U	SC29	12 U	WWB6	**5.5**	SM15	9.8 U	TS25	30 U	FFN10	20 U	SB18	20 U
FFS1	10 U	CF8	24 U	SC31	12 U	WWB7	4.7	SM15	9.8 U	TS29	30 U	FFN14	20 U	SB20	20 U
FFS2	10 U	CF5	20 U	SC1	12 U	WWB15	4.2	SM17	9.8 U	TS2	20 U	FFN27	20 U	SB1	16 U
FFS2	10 U	CF5	20 U	SC3	12 U	WWB8	4.1	SM19	9.8 U	TS6	20 U	FFN7	16 U	SB25	12 U
FFS3	10 U	CF7D	20 U	SC6	12 U	WWB10	4.1	SM27	9.8 U	TS9	20 U	FFN26	16 U	SB7	12 U
FFS4	9.8 U	CF22	20 U	SC25	10 U	WWB11	3.9	SM2	8.2 U	TS10	20 U	FFN30D	16 U	SB7D	12 U
FFS5	9.8 U	CF1	20 U	SC7	10 U	WWB1	9.8 U	SM6	8.2 U	TS11	20 U	FFN1	12 U	SB10	10 U
FFS6	9.6 U	CF16	18 U	SC7	10 U	WWB2	10 U	SM20	8 U	TS12	20 U	FFN2	12 U	SB14	9.6 U
FFS7	9.8 U	CF19	18 U	SC10	10 U	WWB2	10 U	SM20D	8 U	TS13	20 U	FFN3	12 U	SB32	6 U
FFS8	9.8 U	CF24	18 U	SC4	9.8 U	WWB3	9.8 U	SM30	8 U	TS14	20 U	FFN4	12 U	SB9	5.9 U
FFS9	10 U	CF6	16 U	SC24	9.6 U	WWB4	9.8 U	SM3	7.8 U	TS15	20 U	FFN5	12 U	SB22	4.1 U
FFS10	10 U	CF9	16 U	SC28	9.6 U	WWB5	6 U	SM16	7.7 U	TS16	20 U	FFN6	12 U	SB23	4.1 U
FFS11	14 U	CF11	16 U	SC5	8 U	WWB9	3.9 U	SM18	7.7 U	TS17	20 U	FFN13	12 U	SB28	4.1 U
FFS12	10 U	CF25	16 U	SC32	8 U	WWB12	4 U	SM30D	7.7 U	TS18	20 U	FFN20D	12 U	SB29	4.1 U
FFS13	5.8 U	CF17	14 U	SC16	7.8 U	WWB13	6 U	SM26	6.1 U	TS22	20 U	FFN30	12 U	SB19	4 U
FFS14	6 U	CF23	14 U	SC8	6.1 U	WWB14	6 U	SM01	6.1 U	TS22	20 U	FFN30	12 U	SB21	4 U
FFS15	5.9 U	CF34	14 U	SC17	6 U	WWB16	3.8 U	SM4	6.1 U	TS24	20 U	FFN12	10 U	SB24	4 U
FFS16	19 U	CF3	14 U	SC18	6 U	WWB17	5.9 U	SM5	6.1 U	TS30D	20 U	FFN20	10 U	SB26	4 U
FFS19	5.9 U	CF15	14 U	SC26	6 U	WWB18	3.8 U	SM8	6.1 U	TS30	19 U	FFN28	10 U	SB4	4 U
FFS20	3.9 U	CF26	14 U	SC2	6 U	WWB20D	4 U	SM23	6 U	TS27	16 U	FFN8	9.8 U	SB5	4 U
FFS21	4 U	CF4	12 U	SC9	5.9 U	WWB21	5.9 U	SM24	6 U	TS26	12 U	FFN9	9.8 U	SB11	4 U
FFS21	4 U	CF2	12 U	SC15	5.9 U	WWB22	6 U	SM9	6 U	TS3	10 U	FFN22	9.8 U	SB13	4 U
FFS22	3.9 U	CF29	12 U	SC34	5.9 U	WWB23	7.8 U	SM12	6 U	TS3	10 U	FFN18	8 U	SB15	4 U
FFS23	3.9 U	CF31	12 U	SC12	4.1 U	WWB24	7.8 U	SM14	5.9 U	TS4	10 U	FFN29	8 U	SB17	4 U
FFS24	3.8 U	CF33	12 U	SC13	4.1 U	WWB25D	5.9 U	SM29	5.9 U	TS5	10 U	FFN21	6 U	SB19	4 U
FFS25	5.1 U	CF28	10 U	SC19	4 U	WWB25	5.8 U	SM7	5.9 U	TS7	10 U	FFN24	6 U	SB30	3.9 U
FFS26	4 U	CF34D	10 U	SC20	4 U	WWB21	2.5 U	SM10	5.9 U	TS8	10 U	FFN16	5.9 U	SB31	3.9 U
FFS26D	3.8 U	CF35	10 U	SC11	4 U			SM11	5.8 U	TS19	6 U	FFN17	5.9 U	SB31D	3.9 U
FFS27	20 U	CF35	10 U	SC33	4 U			SM22	4.1 U	TS21	6 U	FFN15	5.8 U	SB2	3.9 U
FFS28	19 U	CF32	10 U	SC20D	4 U			SM21	4 U	TS20	5.9 U	FFN19	3.9 U	SB3	3.9 U
FFS29	19 U	CF20	9.8 U	SC21	3.9 U			SM25	3.9 U	TS20D	5.9 U	FFN23	3.9 U	SB12	3.9 U
FFS30	3.8 U	CF10	9.6 U	SC22	3.9 U					TS1	3.9 U	FFN25	3.8 U	SB27	3.8 U
FFS31	7.7 U	CF13	9.6 U	SC14	3.9 U									SB16	3.8 U
FFS32	4 U	CF14	8 U	SC35D	3.9 U										
		CF21	8 U	SC35	3.8 U										
		CF30	4.1 U												
		CF27	4 U												

Notes:
1. Concentrations are in mg/Kg.
2. Cells highlighted with gray shading and bold text indicates detected concentration exceeds soil screening level of 4.98 mg/kg.
2. "U" indicates the compound was not detected above the laboratory detection limit and the method detection limit value is shown.

Table 6-7
Groundwater Results for Wells Outside WMA and GUR
Elizabeth Mines Superfund Site
Strafford, Vermont

Groundwater Monitoring Statistical Summary For Well Outside WMA and GUR					HO-1 October 2010 through October 2013				IC-10 October 2010 through October 2013				MW-01C October 2010 through October 2013			
Total or Dissolved (T/D)	Analyte	Criteria	Units	Comments	Samples	Detection Frequency	Max Detect	Ave	Samples	Detection Frequency	Max	Ave	Samples	Detection Frequency	Max	Ave
T	Aluminum	16	mg/L	RSL [5]	8	2 / 8	0.20	0.15	19	14 / 19	13	5.3	10	6 / 10	0.26	0.14
T	Antimony	0.006	mg/L	MCL / VTGES [6,7]	8	1 / 8	0.00093	0.0030	19	6 / 19	**0.041**	0.0057	10	3 / 10	8.0E-05	0.0030
T	Cadmium	0.005	mg/L	MCL / VTGES	8	8 / 8	**0.080**	**0.035**	19	15 / 19	**0.0073**	**0.031**	10	10 / 10	0.0022	0.0014
T	Cobalt	0.0047	mg/L	RSL	8	8 / 8	**1.5**	**0.89**	19	18 / 19	**0.046**	**0.46**	10	10 / 10	**0.26**	**0.083**
T	Copper	1.3	mg/L	MCL / VTGES	8	2 / 8	0.15	0.047	19	16 / 19	0.88	**3.9**	10	10 / 10	0.016	0.0079
T	Iron	11	mg/L	RSL	8	8 / 8	**195**	**118**	19	17 / 19	**51**	**65**	10	10 / 10	9.7	2.14
T	Manganese	0.3	mg/L	VTGES	8	8 / 8	**9.4**	**6.9**	19	17 / 19	**1.4**	**2.1**	10	10 / 10	**6.9**	**2.26**
T	Nickel	0.1	mg/L	VTGES	8	8 / 8	**0.60**	**0.37**	19	15 / 19	0.053	**0.14**	10	9 / 10	0.032	0.012
T	Thallium	0.002	mg/L	MCL / VTGES	8	0 / 8	ND	0.003 U	19	2 / 19	0.00016	**0.0024**	10	4 / 10	**0.0030**	**0.0035**
T	Zinc	3.13	mg/L	Risk-Based	8	8 / 8	**7.1**	**3.9**	19	15 / 19	0.85	**3.1**	10	10 / 10	0.21	0.079
D	Aluminum	16	mg/L	RSL	8	2 / 8	0.17	0.14	19	7 / 19	0.58	2.5	9	5 / 9	0.22	0.13
D	Antimony	0.006	mg/L	MCL / VTGES	8	1 / 8	0.00086	0.0033	19	5 / 19	0.0036	0.0028	9	4 / 9	0.00023	0.0034
D	Cadmium	0.005	mg/L	MCL / VTGES	8	8 / 8	**0.075**	**0.033**	19	13 / 19	0.00078	**0.030**	9	9 / 9	0.0023	0.0014
D	Cobalt	0.0047	mg/L	RSL	8	8 / 8	**1.4**	**0.84**	19	16 / 19	**0.015**	**0.45**	9	9 / 9	**0.27**	**0.087**
D	Copper	1.3	mg/L	MCL / VTGES	8	2 / 8	0.14	0.044	19	14 / 19	0.11	**3.7**	9	9 / 9	0.010	0.0065
D	Iron	11	mg/L	RSL	8	8 / 8	**194**	**112**	19	11 / 19	3.5	**58**	9	9 / 9	7.6	2.0
D	Manganese	0.3	mg/L	VTGES	8	8 / 8	**8.9**	**6.5**	19	16 / 19	**0.54**	**1.9**	9	9 / 9	**7.1**	**2.3**
D	Nickel	0.1	mg/L	VTGES	8	8 / 8	**0.57**	**0.35**	19	15 / 19	0.025	**0.14**	9	7 / 9	0.034	0.012
D	Thallium	0.002	mg/L	MCL / VTGES	8	0 / 8	ND	0.003 U	19	0 / 19	ND	0.003 U	9	4 / 9	**0.0027**	**0.0038**
D	Zinc	3.13	mg/L	Risk-Based	8	8 / 8	**6.6**	**3.7**	19	15 / 19	0.42	3.0	9	9 / 9	0.43	0.11

Notes

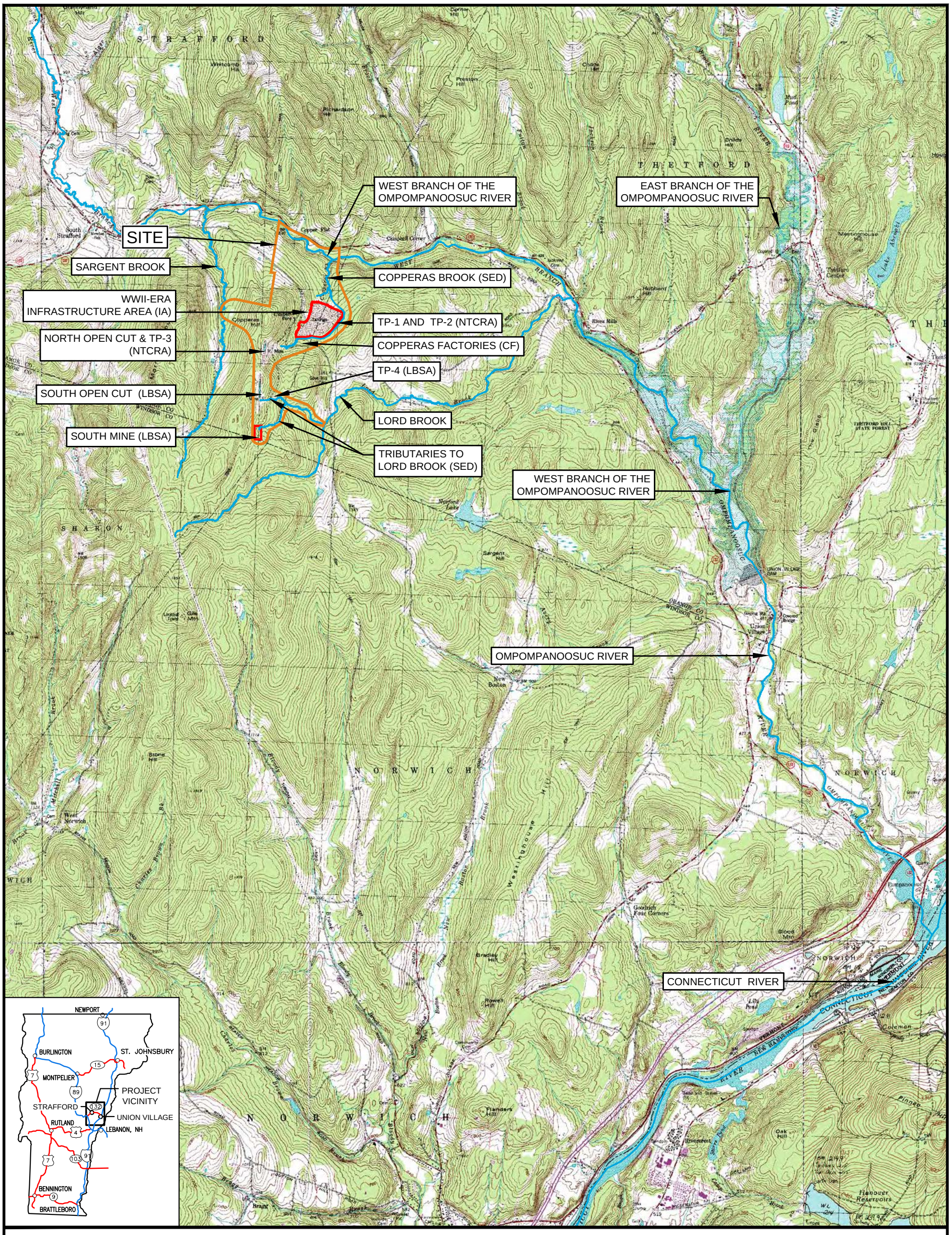
1. Shading in gray indicates exceedance of an MCL or other criteria (see comment).
2. Maximum concentrations are shown for detections only.
3. Averages are calcluated using 1/2 of the detection limit for non-detect results. In instances where the detection limit is greater than the RSL, the average can be greater than maximum detected concentrations.
4. Compounds include only the suite of contituents detected at concentrations above standards or screening levels.
5. "RSL" = EPA Regional Screening Level (RSL) Tapwater Supporting Table (TR=1E-6, HQ=1) November 2013
6. "MCL" = Maximum Contaminant Level (National Primary Drinking Water Regulations, May 2009)
7. "VTGES" = Vermont Primary Groundwater Enforcement Standard (February 2005)
8. "WMA" = Waste Management Area; "GUR" = Groundwater Use Restriction Zone

Table 6-8
Groundwater Results for Wells Outside GUR
Elizabeth Mines Superfund Site
Strafford, Vermont

Groundwater Monitoring Statistical Summary For Well Within WMU but Outside GUR					IC-01 October 2010 through August 2013				IC-02 October 2010 through August 2013				IC-03 October 2010 through August 2013				IC-07 October 2010 through August 2013			
Total or Dissolved (T/D)	**Analyte**	**Criteria**	**Units**	**Comments**	Samples	Detection Frequency	Max Detect	Ave	Samples	Detection Frequency	Max Detect	Ave	Samples	Detection Frequency	Max Detect	Ave	Samples	Detection Frequency	Max Detect	Ave
T	Cobalt	0.0047	mg/L	RSL [5]	5	3 / 5	**0.014**	**0.0064**	6	5 / 6	**0.007**	0.0024	5	3 / 5	**0.0053**	0.0036	7	7 / 7	**0.012**	**0.0055**
T	Copper	1.3	mg/L	MCL / VTGES [6,]	5	3 / 5	0.093	0.037	6	3 / 6	0.059	0.017	5	2 / 5	0.013	0.011	7	4 / 7	0.013	0.010
T	Iron	11	mg/L	RSL	5	5 / 5	6.6	3.4	6	5 / 6	11	2.4	5	5 / 5	**12**	4.5	7	5 / 7	4.8	1.9
T	Lead	0.015	mg/L	RSL	5	3 / 5	0.0012	0.0014	6	3 / 6	0.0014	0.0015	5	2 / 5	0.0008	0.0017	7	4 / 7	0.0014	0.0014
T	Manganese	0.3	mg/L	VTGES	5	5 / 5	**0.74**	**0.56**	6	4 / 6	**0.36**	0.08	5	5 / 5	**1.1**	**0.55**	7	7 / 7	**0.67**	**0.32**
T	Thallium	0.002	mg/L	Risk-Based	5	0 / 5	ND	0.002 U	6	1 / 6	0.000090	0.00035	5	0 / 5	ND	0.0004 U	7	0 / 7	ND	0.00
D	Cobalt	0.0047	mg/L	RSL	5	3 / 5	**0.013**	**0.0064**	6	2 / 6	0.00011	0.0042	5	2 / 5	0.0040	**0.0060**	7	7 / 7	**0.010**	**0.0047**
D	Iron	11	mg/L	RSL	5	4 / 5	1.24	0.61	6	2 / 6	0.018	0.035	5	5 / 5	5.6	2.4	7	7 / 7	1.7	0.64
D	Lead	0.015	mg/L	MCL / VTGES	5	0 / 5	ND	0.002 U	6	0 / 6	ND	0.001 U	5	0 / 5	ND	0.002 U	7	1 / 7	0.00070	0.0013
D	Manganese	0.3	mg/L	VTGES	5	4 / 5	**0.72**	**0.49**	6	3 / 6	0.017	0.0076	5	5 / 5	**1.0**	**0.54**	7	7 / 7	**0.55**	0.28
D	Thallium	0.002	mg/L	MCL / VTGES	5	1 / 5	0.000070	0.00030	6	0 / 6	ND	0.0004 U	5	0 / 5	ND	0.0004 U	7	0 / 7	ND	0.0004 U

Notes
1. Shading in gray indicates exceedance of an MCL or other criteria (see comment).
2. Maximum concentrations are shown for detections only.
3. Averages are calcluated using 1/2 of the detection limit for non-detect results. In instances where the detection limit is greater than the RSL, the average can be greater than maximum detected concentrations.
4. Compounds include only the suite of contituents detected at concentrations above standards or screening levels.
5. "RSL" = EPA Regional Screening Level (RSL) Tapwater Supporting Table (TR=1E-6, HQ=1) November 2013
6. "MCL" = Maximum Contaminant Level (National Primary Drinking Water Regulations, May 2009)
7. "VTGES" = Vermont Primary Groundwater Enforcement Standard (February 2007)
8. "WMA" = Waste Management Area; "GUR" = Groundwater Use Restriction Zone

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-LOCATION-PLAN.dwg 5/13/2014 10:38 AM



APPROXIMATE SCALE
1 INCH = 4,000 FEET

NORTH

USGS TOPOGRAPHIC MAP

SOUTH STRAFFORD, VERMONT (1981)
SHARON, VERMONT (1981)
CHELSEA, VERMONT (1981)
HANOVER, NEW HAMPSHIRE (1988)
LYME, NEW HAMPSHIRE (1988)

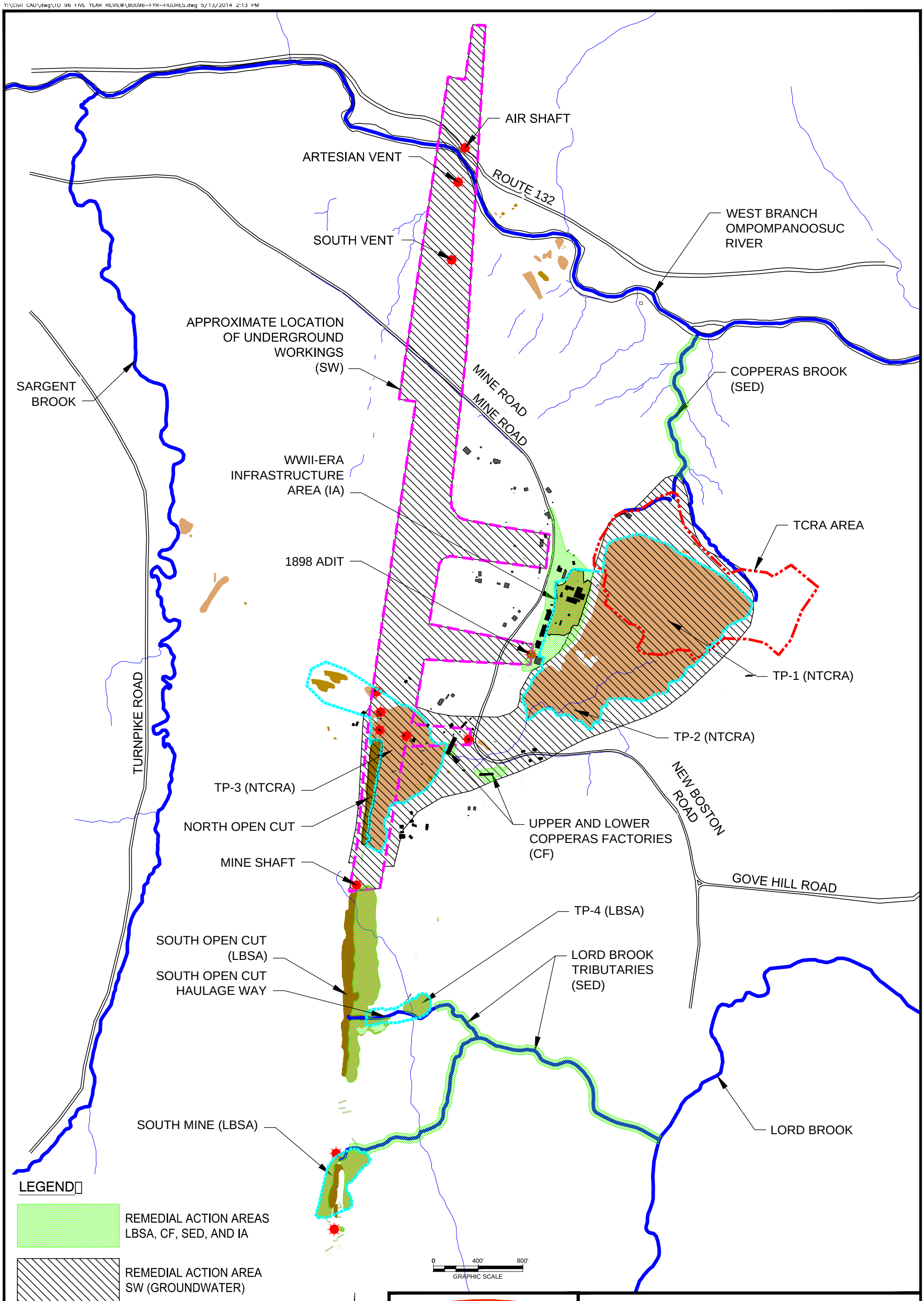
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 1-1

SITE LOCATION PLAN
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\10 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/13/2014 2:13 PM



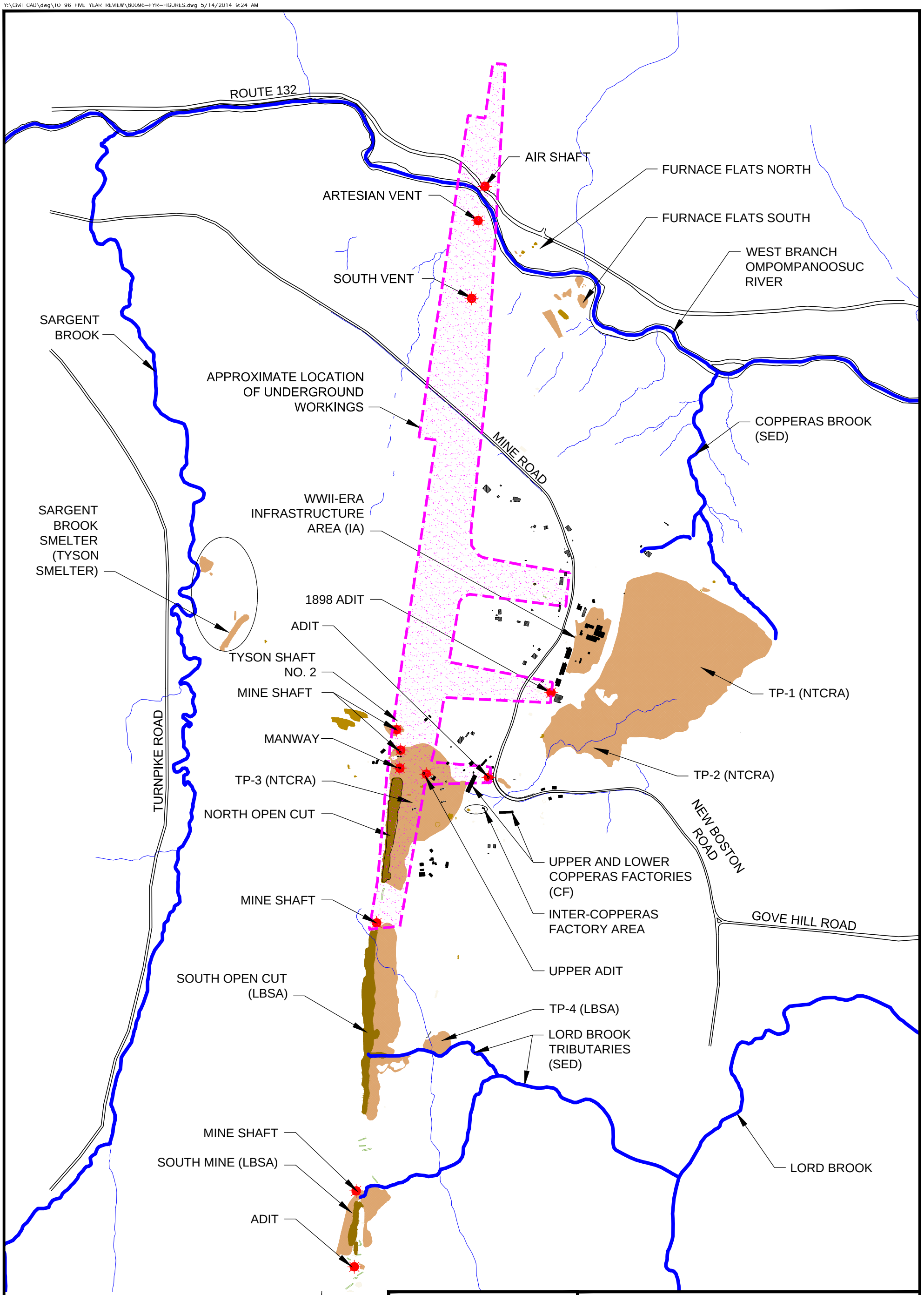
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 1-2

NTCRA, TCRA, AND RA LOCATIONS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/14/2014 9:24 AM



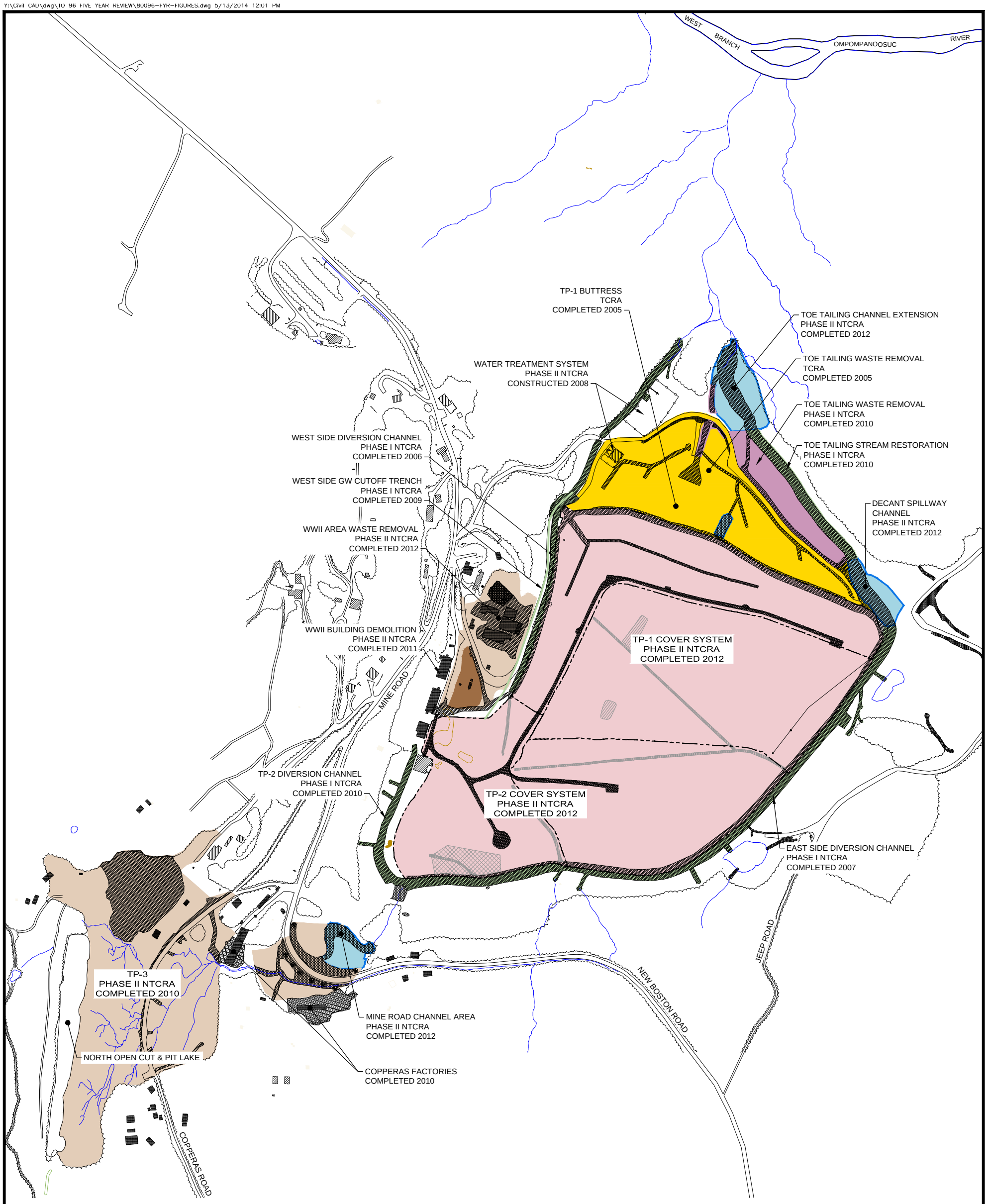
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 3-1

SITE FEATURES
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/13/2014 12:01 PM



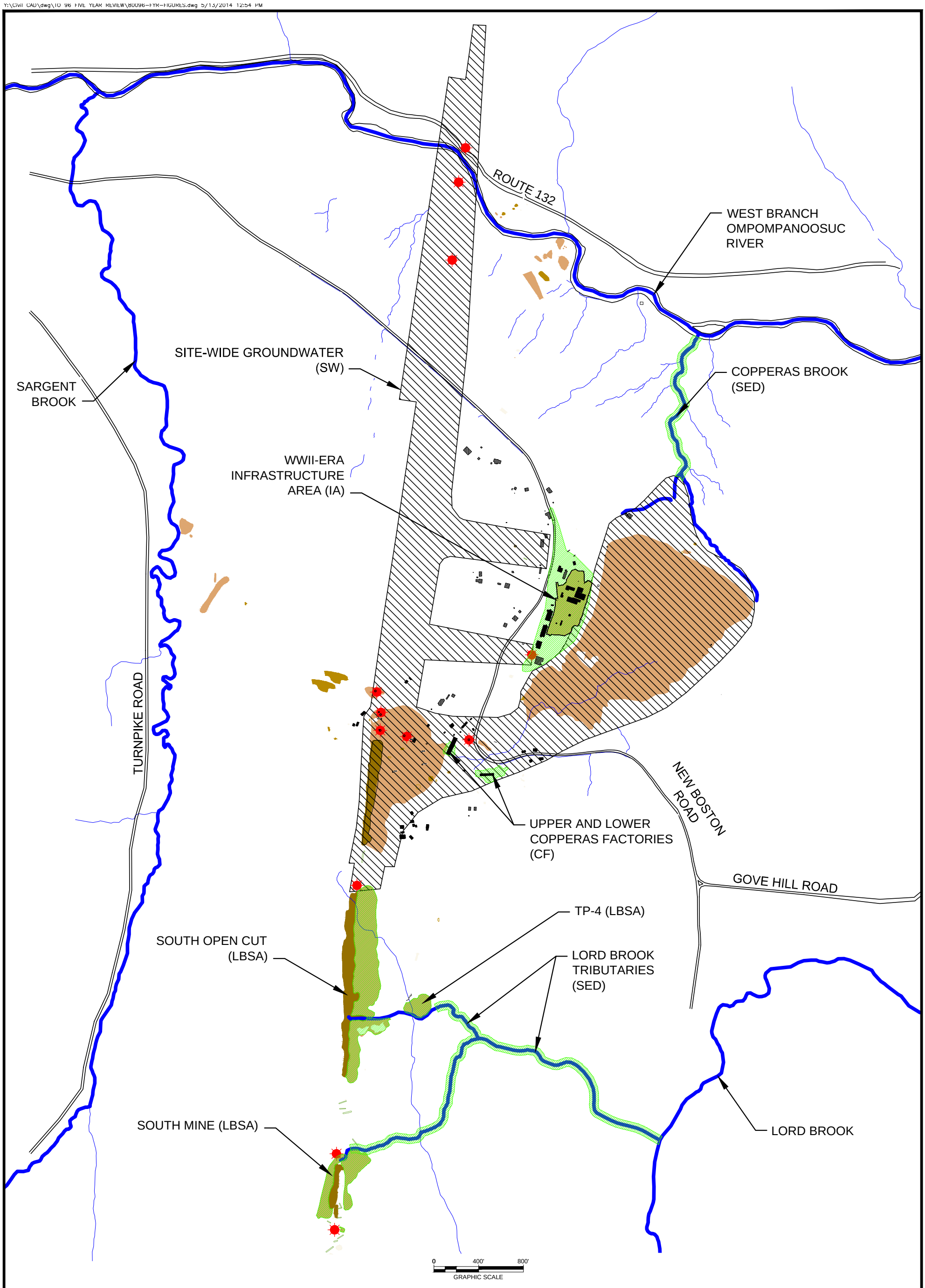
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 3-2

COMPLETED NTCRA, TCRA, AND RA
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/13/2014 12:54 PM



LEGEND

REMEDIAL ACTION AREAS LBSA, CF, SED, AND IA

REMEDIAL ACTION AREA SW (GROUNDWATER)

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

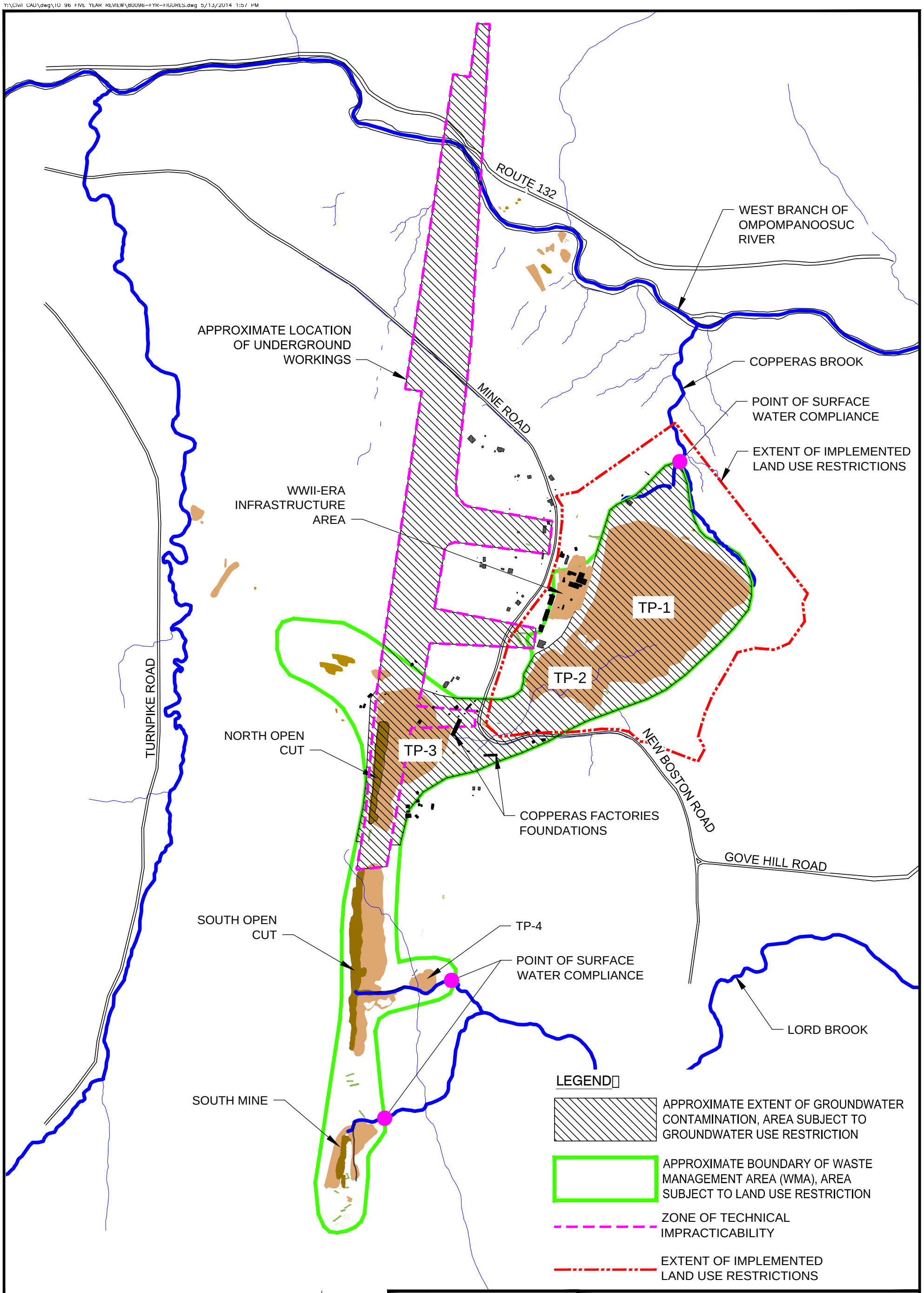
Client-Focused, Employee-Owned

FIGURE 4-1

REMEDIAL ACTION COMPONENTS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\10 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/13/2014 1:57 PM



Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 4-2

AREA OF LAND USE RESTRICTION AND TECHNICAL IMPRACTICABILITY
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Figure 2
Furnace Flat North

Figure 3
Furnace Flat South

Figure 4
Sargent Smelter

Figure 5
WWII Infrastructure Area

Figure 6
Tyson Shaft

Figure 7
Copperas Factories

Figure 8
South Open Cut

Figure 9
South Mine

N

0 500 1,000 2,000

Feet

1 inch = 1,667 feet

FIGURE 6-1 A

SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical\Data\GIS\Figures\A_08_EMines_Overview.mxd Date Printed: 3/13/2014

0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

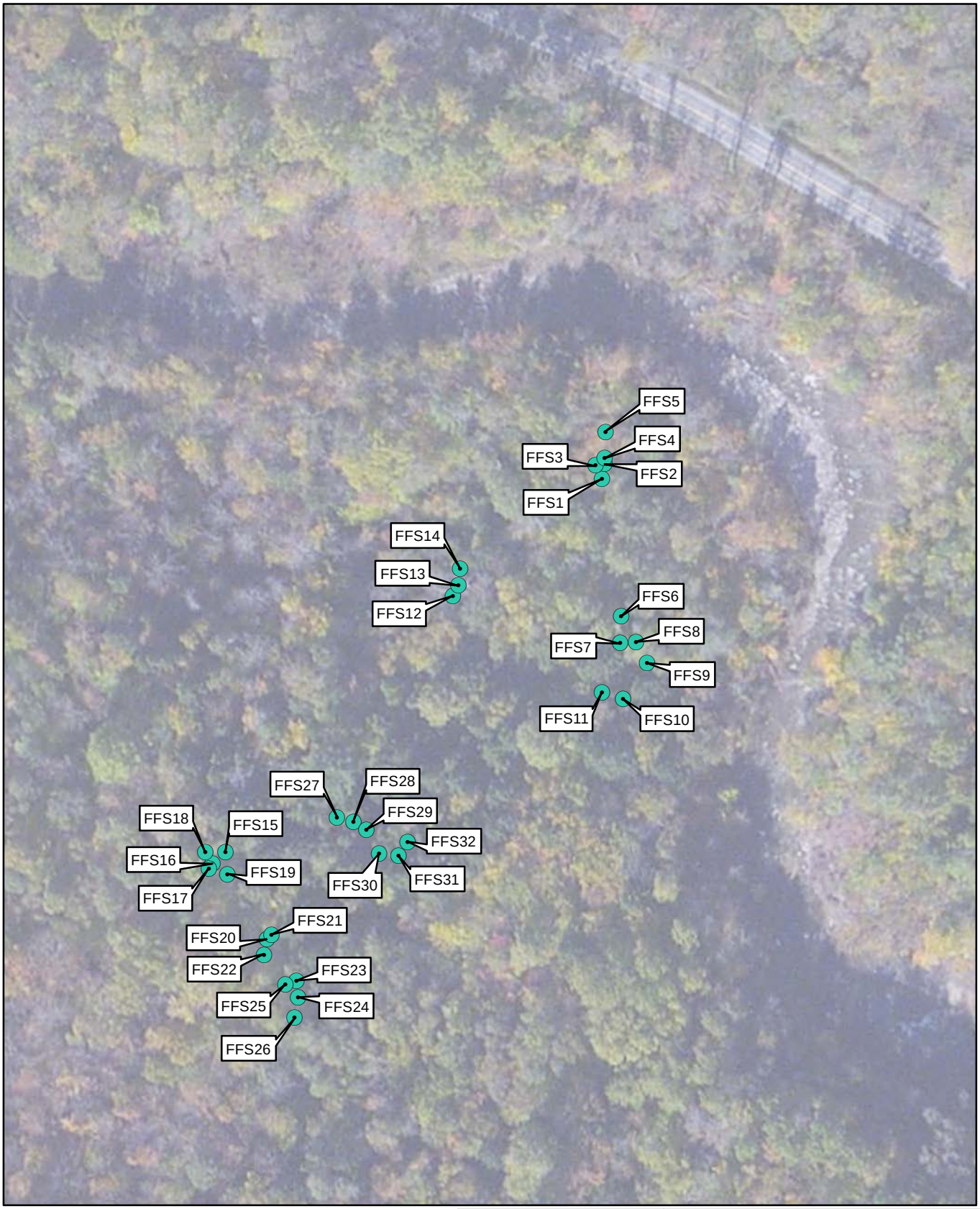
Client-Focused, Employee-Owned

FIGURE 6-2 A

FURNACE FLAT NORTH
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014FF

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_09_EMines_Furnace_Flat_North.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

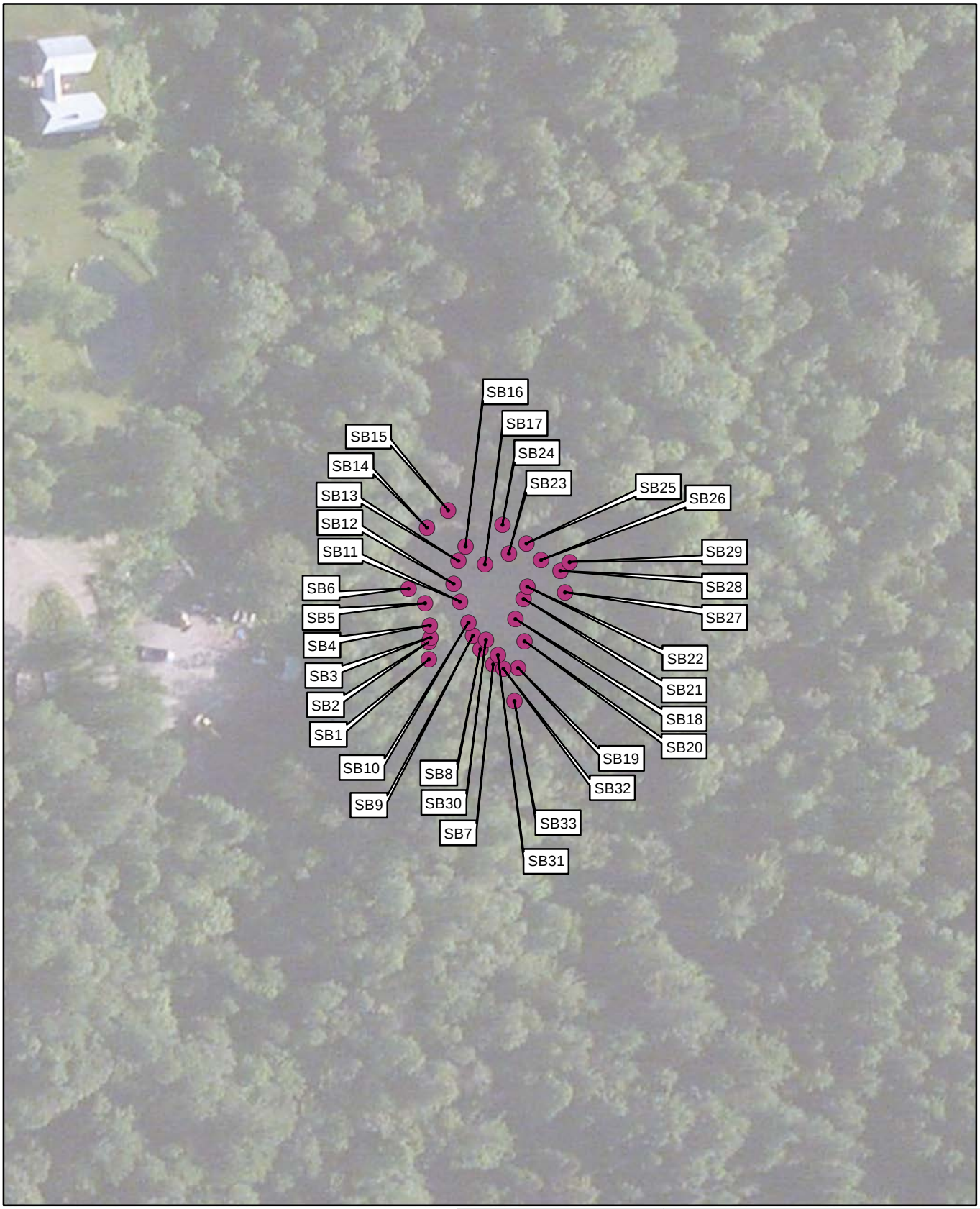
Client-Focused, Employee-Owned

FIGURE 6-3 A

FURNACE FLAT SOUTH
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014F

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_10_EMines_Furnace_Flat_South.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

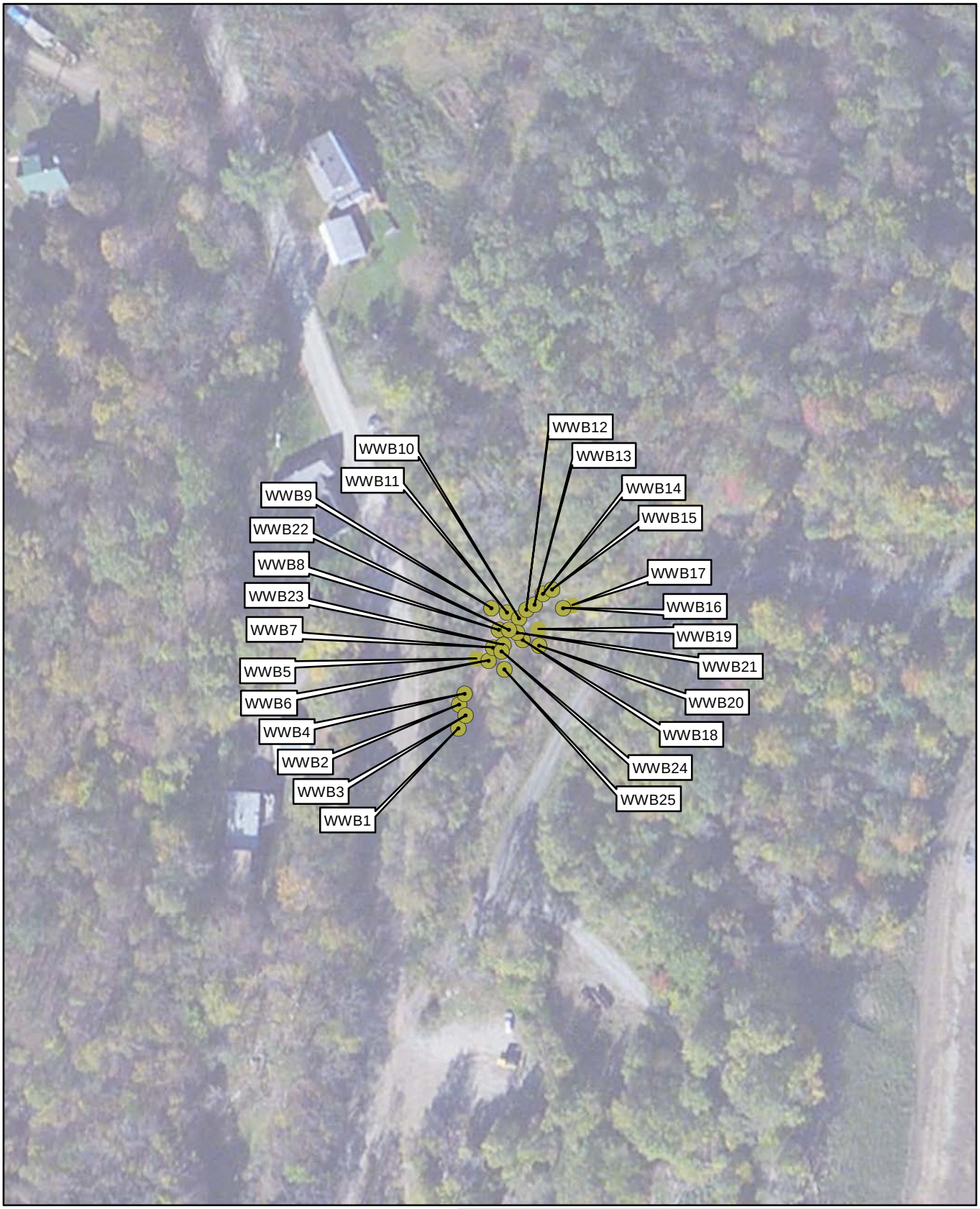
Client-Focused, Employee-Owned

FIGURE 6-4 A

SARGENT SMELTER
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_11_EMines_Sargent_Smelter.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

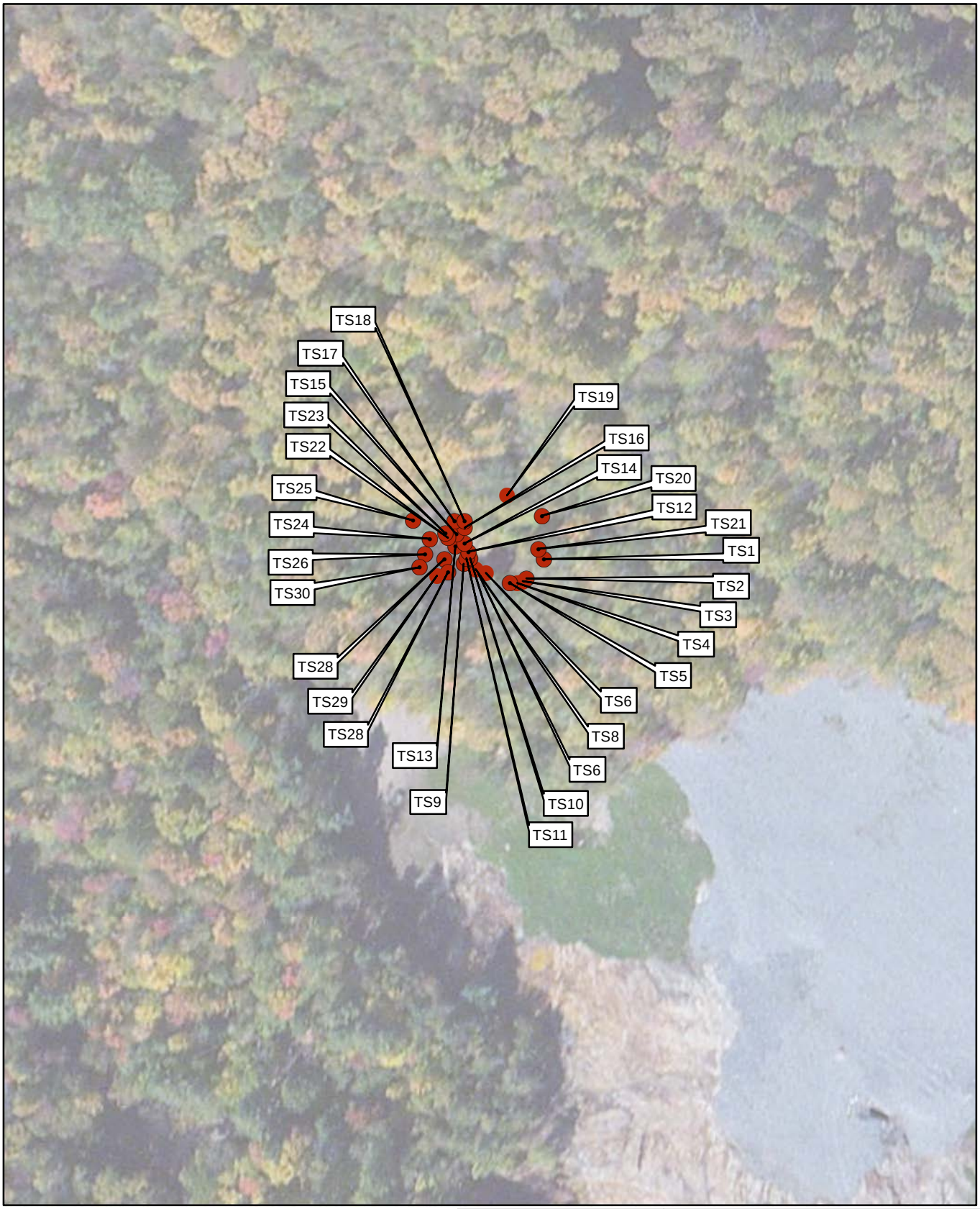
Client-Focused, Employee-Owned

FIGURE 6-5 A

WWII INFRASTRUCTURE AREA
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_12_EMines_WWII_Infrastructure.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

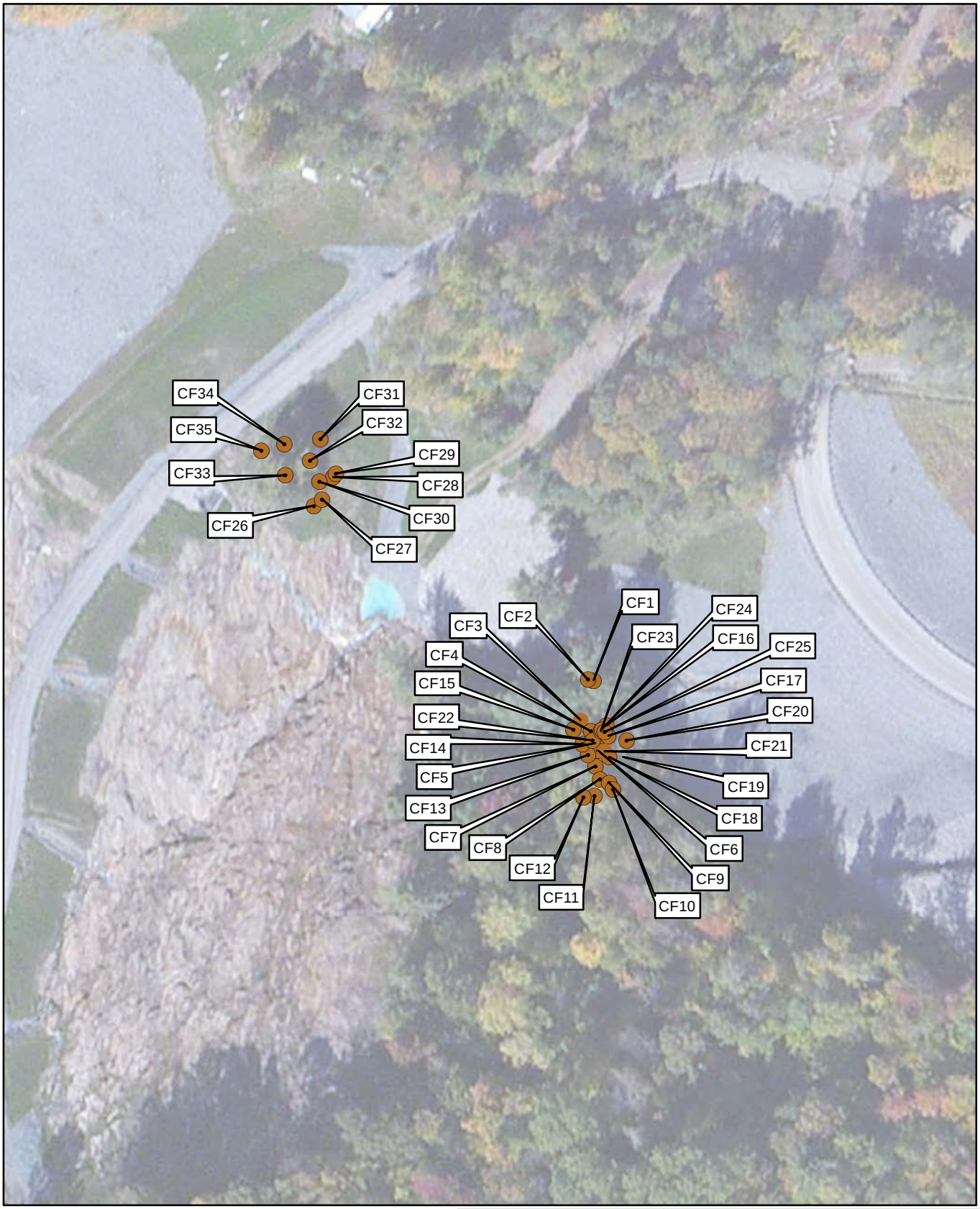
Client-Focused, Employee-Owned

FIGURE 6-6 A

TYSON SHAFT
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_13_EMines_Tyson_Shaft.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

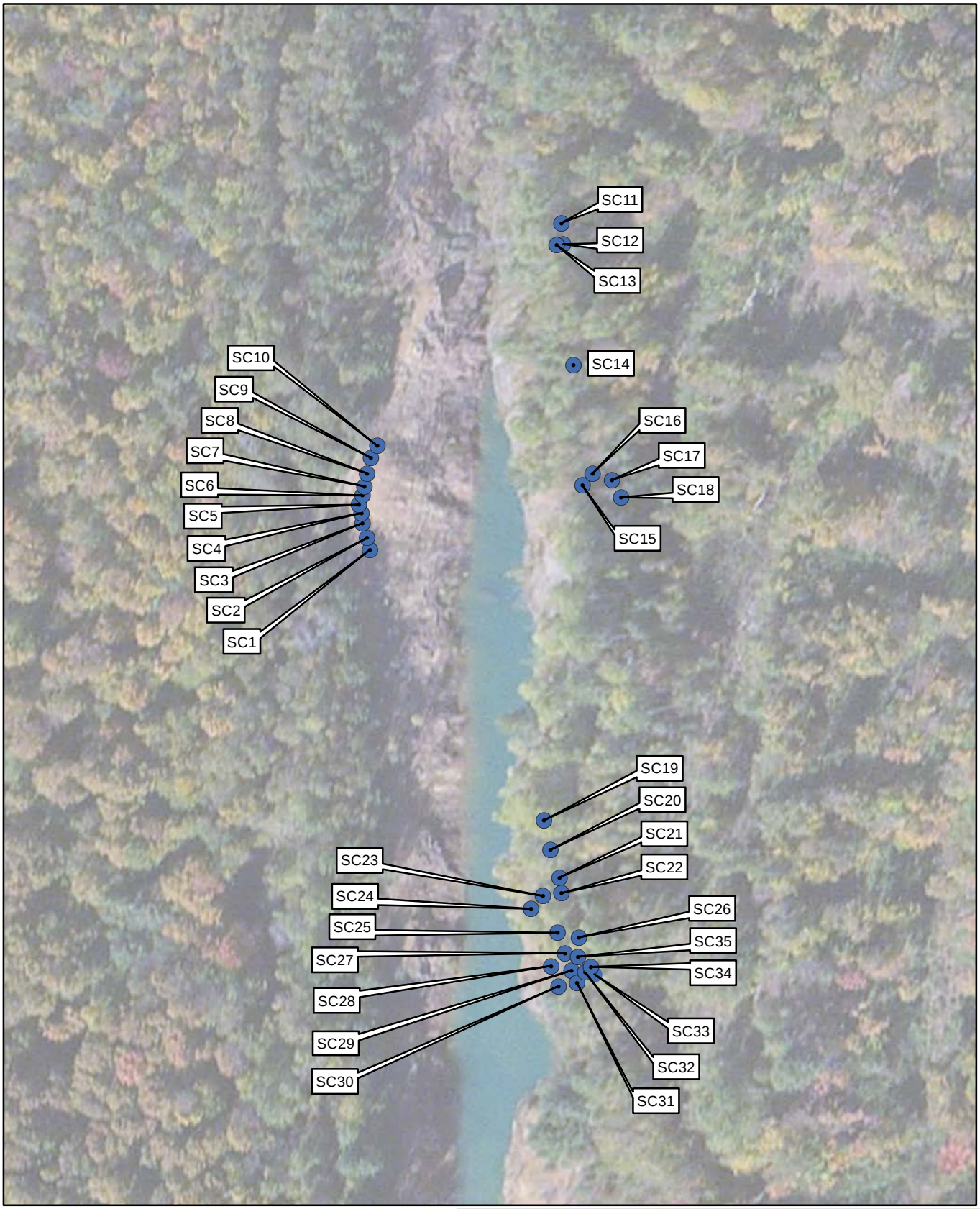
Client-Focused, Employee-Owned

FIGURE 6-7 A

COPPERAS FACTORIES
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_14_EMines_Copperas_Factories.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

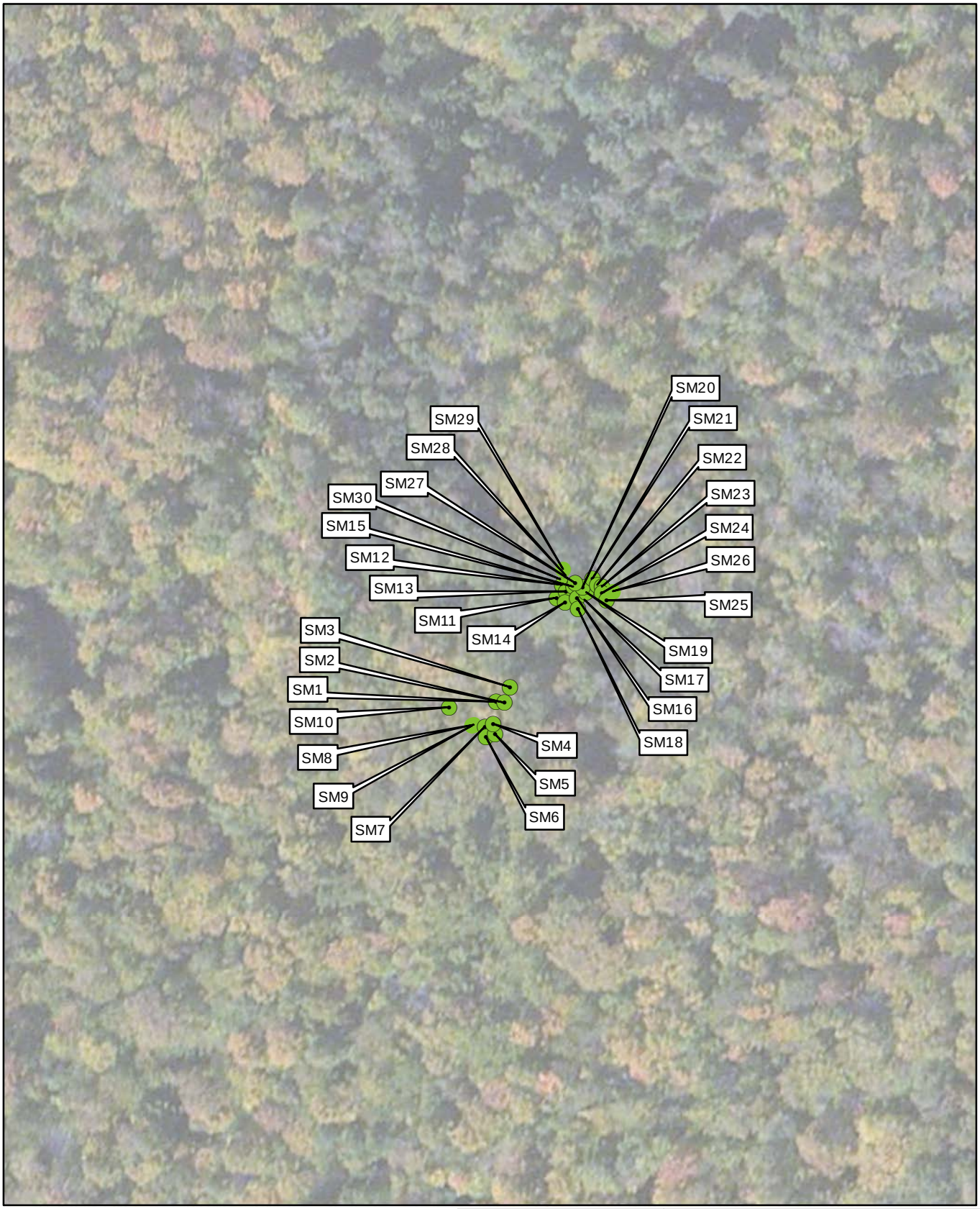
Client-Focused, Employee-Owned

FIGURE 6-8 A

SOUTH OPEN CUT
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_15_EMines_South_Open_Cut.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

Client-Focused, Employee-Owned

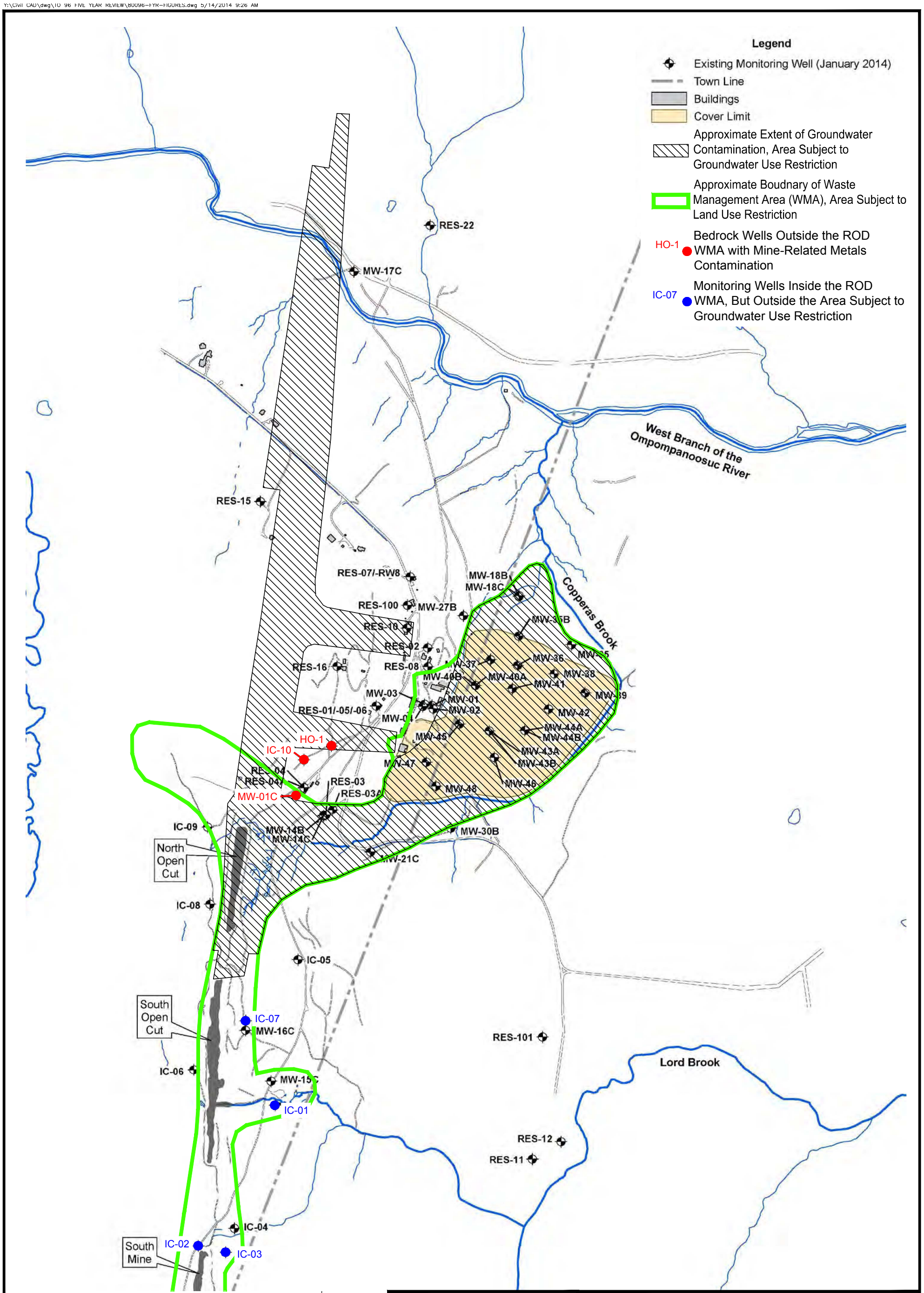
FIGURE 6-9 A

SOUTH MINE
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_16_EMines_South_Mine.mxd **Date Printed:** 3/13/2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/14/2014 9:26 AM

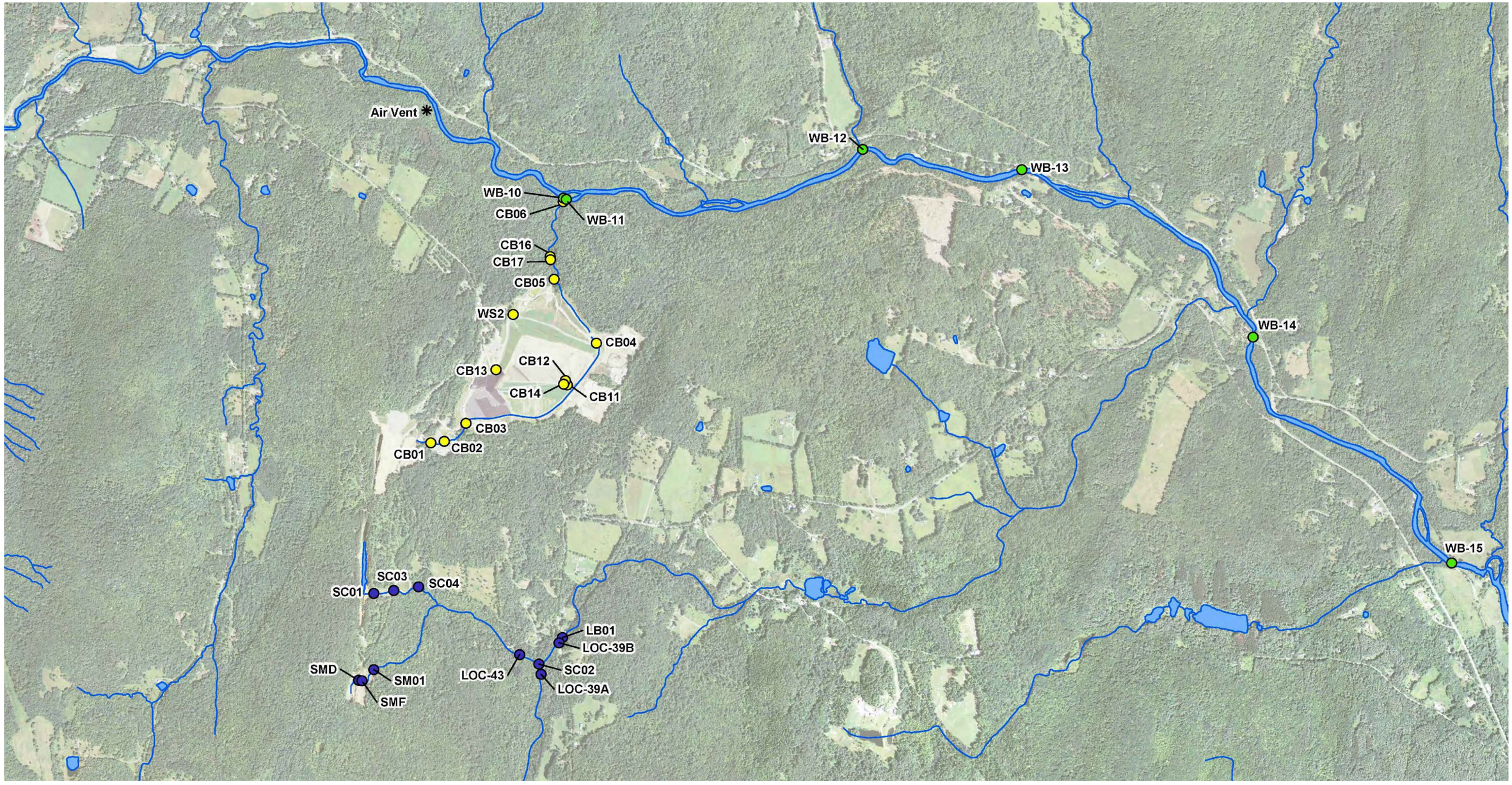


Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-10

GROUNDWATER MONITORING LOCATIONS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY: BK	APPROVED BY: AB
PROJECT NO. 80096.06	DATE: MAY 2014



LEGEND

- LORD BROOK AND TRIBUTARIES
- COPPERAS BROOK
- WEST BRANCH OF OMPOMPANOOSUC RIVER

0 1,500' 3,000'

GRAPHIC SCALE

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

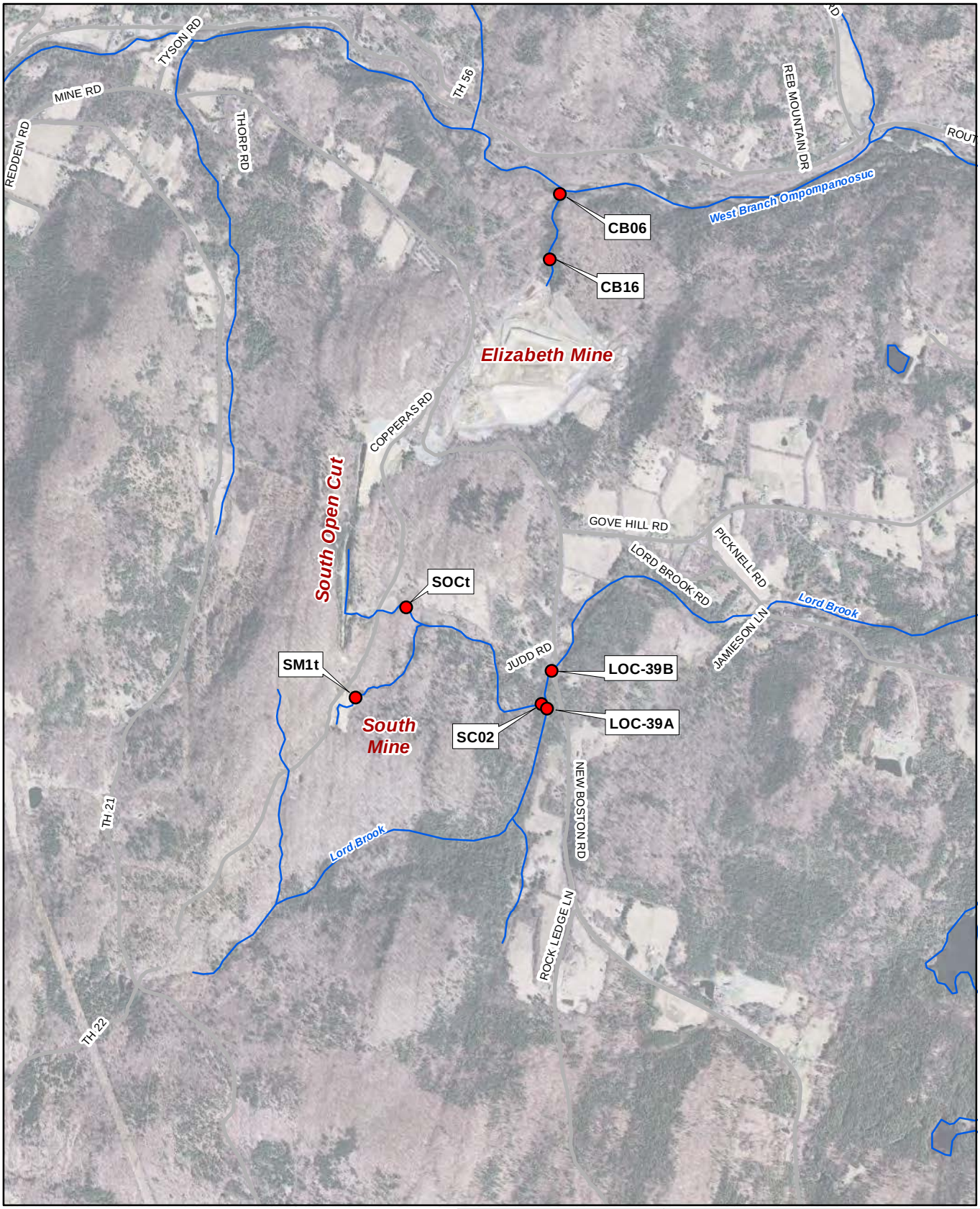
Client-Focused, Employee-Owned

FIGURE 6-11

SURFACE WATER MONITORING LOCATIONS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	BK	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/14/2014 9:33 AM



0 500 1,000 2,000

Feet

1 inch = 2,000 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

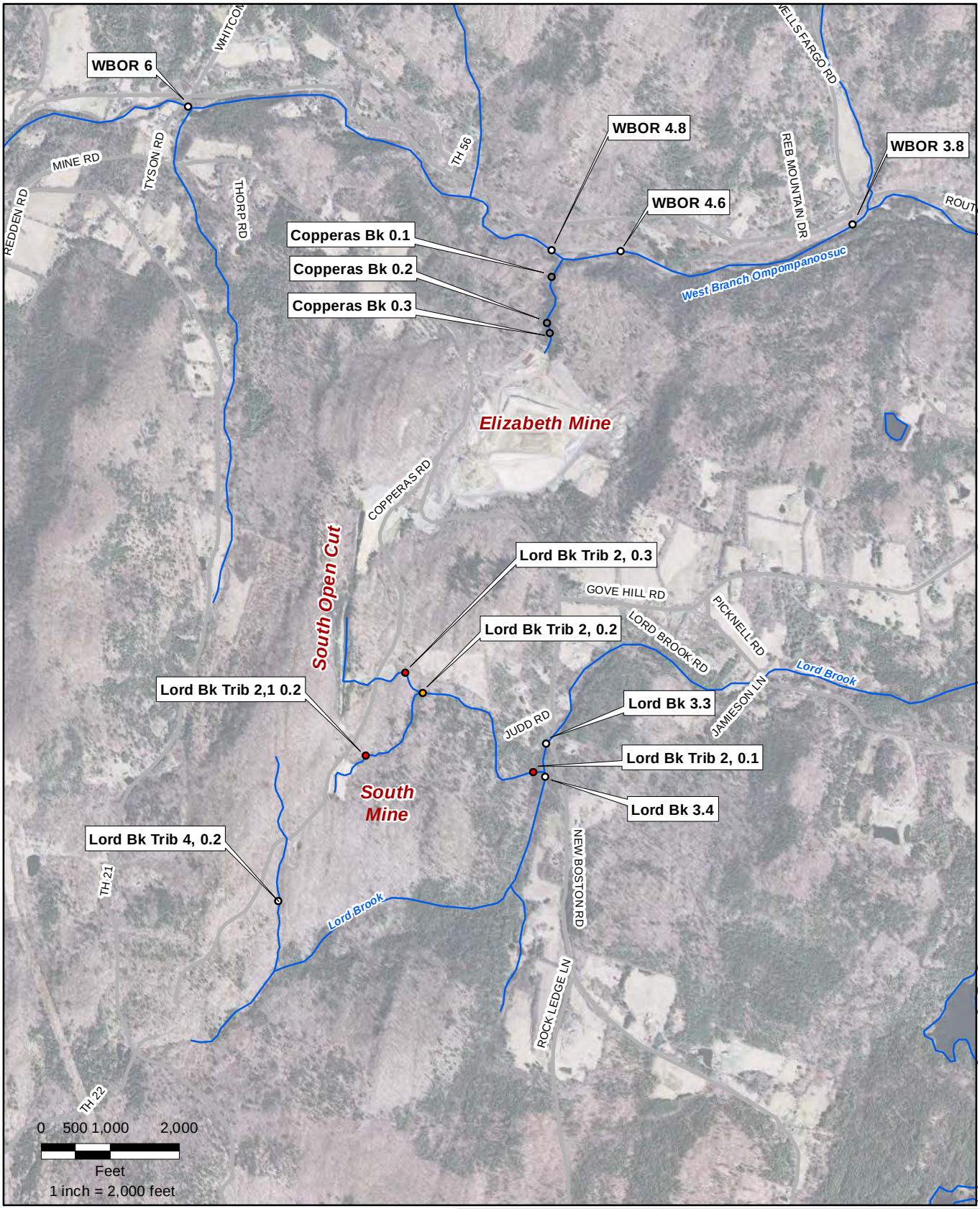
Client-Focused, Employee-Owned

FIGURE 6-12

2013 SEDIMENT SAMPLE AND TOXICITY TESTING LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: APRIL 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Sediment_Sample_Tox_Test.mxd Date Printed: 5/27/2014



Legend

- Site Meets Class B WQ Standards
- Site Impaired: Macroinvertebrates
- Site Impaired: WQ
- Other Locations

N

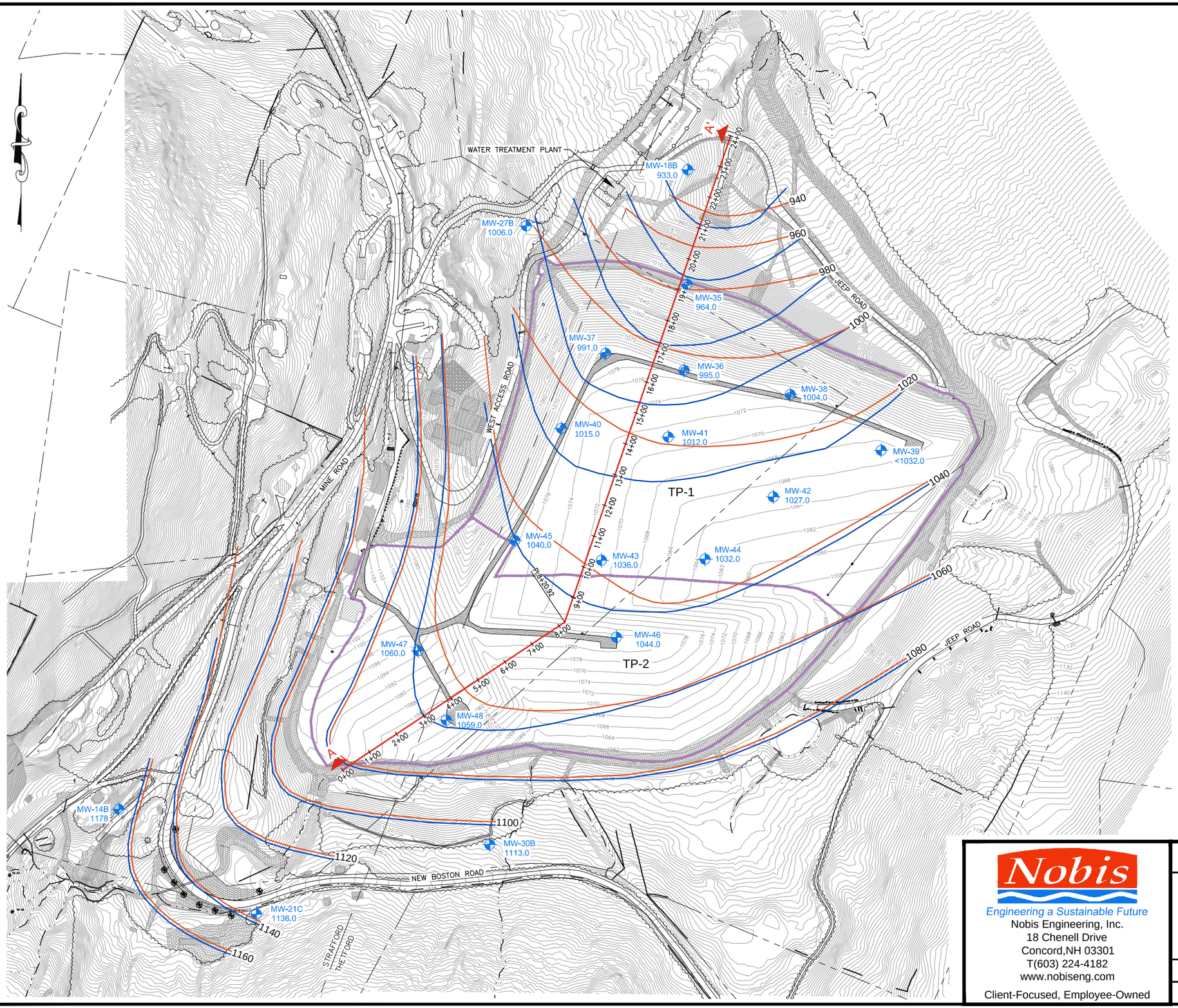
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-13

2013 BIOLOGICAL ASSESSMENT
SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: APRIL 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Biological_Assessment.mxd Date Printed: 5/20/2014



LEGEND

- LIMIT OF GEOSYNTHETIC COVER
- 1000 — GROUNDWATER CONTOUR DECEMBER 2007
- 1000 — GROUNDWATER CONTOUR DECEMBER 2013
- CROSS SECTION LOCATION
- MW-41 1012.0 — MONITORING WELL WITH GROUNDWATER ELEVATION

NOTES:

1. GROUNDWATER CONTOURS ARE BASED ON A FIGURE TITLED "GROUNDWATER CONTOURS DECEMBER 2007, DECEMBER 2013" DATED FEBRUARY 20, 2014 PREPARED BY AMEC.

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

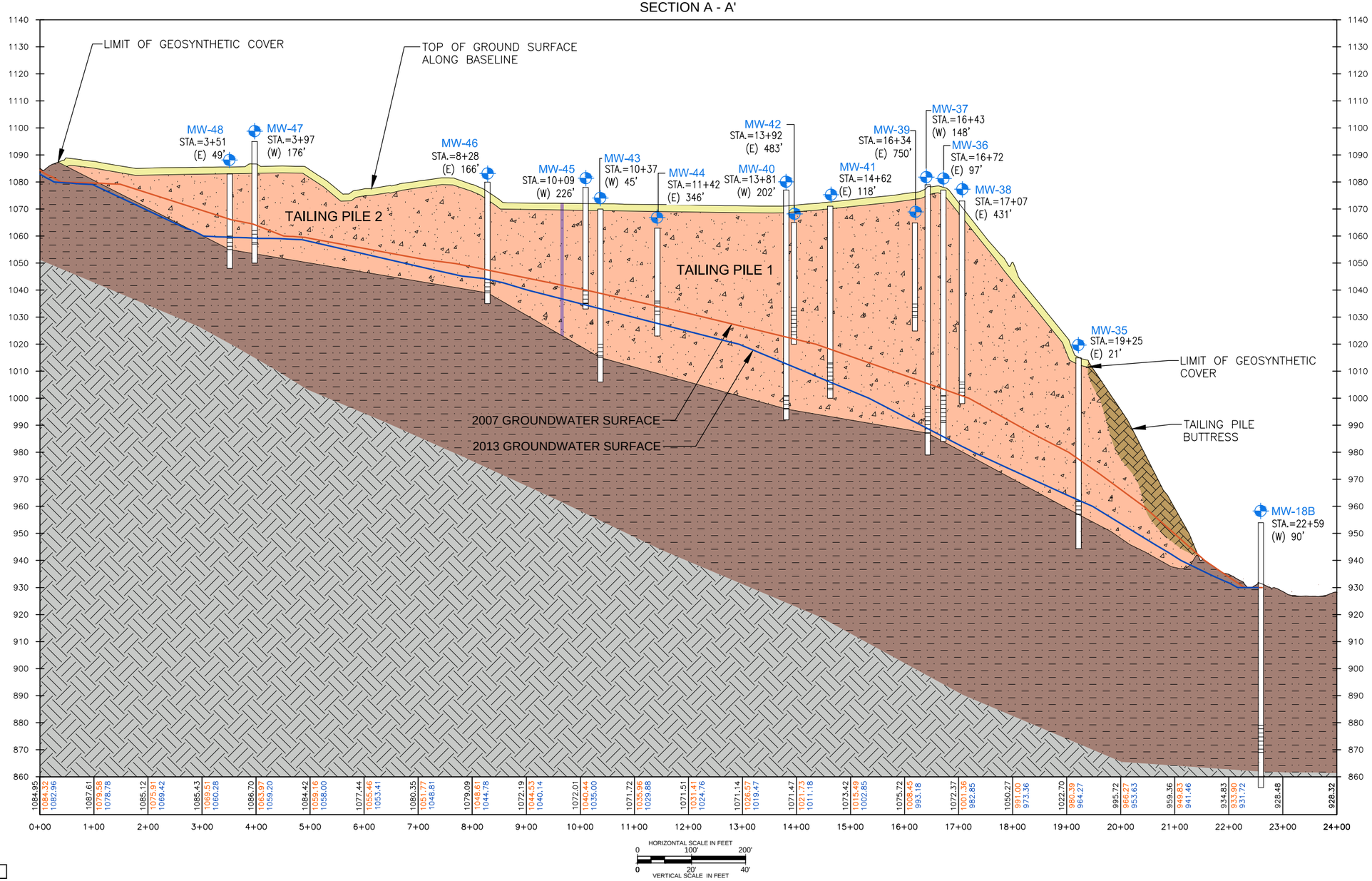
FIGURE 7-1

TP-1 WATER LEVEL DECLINE PLAN VIEW
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	ML	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

J:\80601 Elizabeth Mine (U-D)\Civil CAD\dwg\U 96 Five YEAR REVIEW\80096-FYR-GW-XSECT.dwg 5/20/2014 2:46 PM

SECTION A - A'



LEGEND

- GROUND SURFACE ELEVATION
- GROUNDWATER SURFACE ELEVATION DECEMBER 2007
- GROUNDWATER SURFACE ELEVATION DECEMBER 2013
- MW-48 MONITORING WELL
- COVER SYSTEM
- BUTTRESS
- TAILING
- GLACIAL TILL
- BEDROCK

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

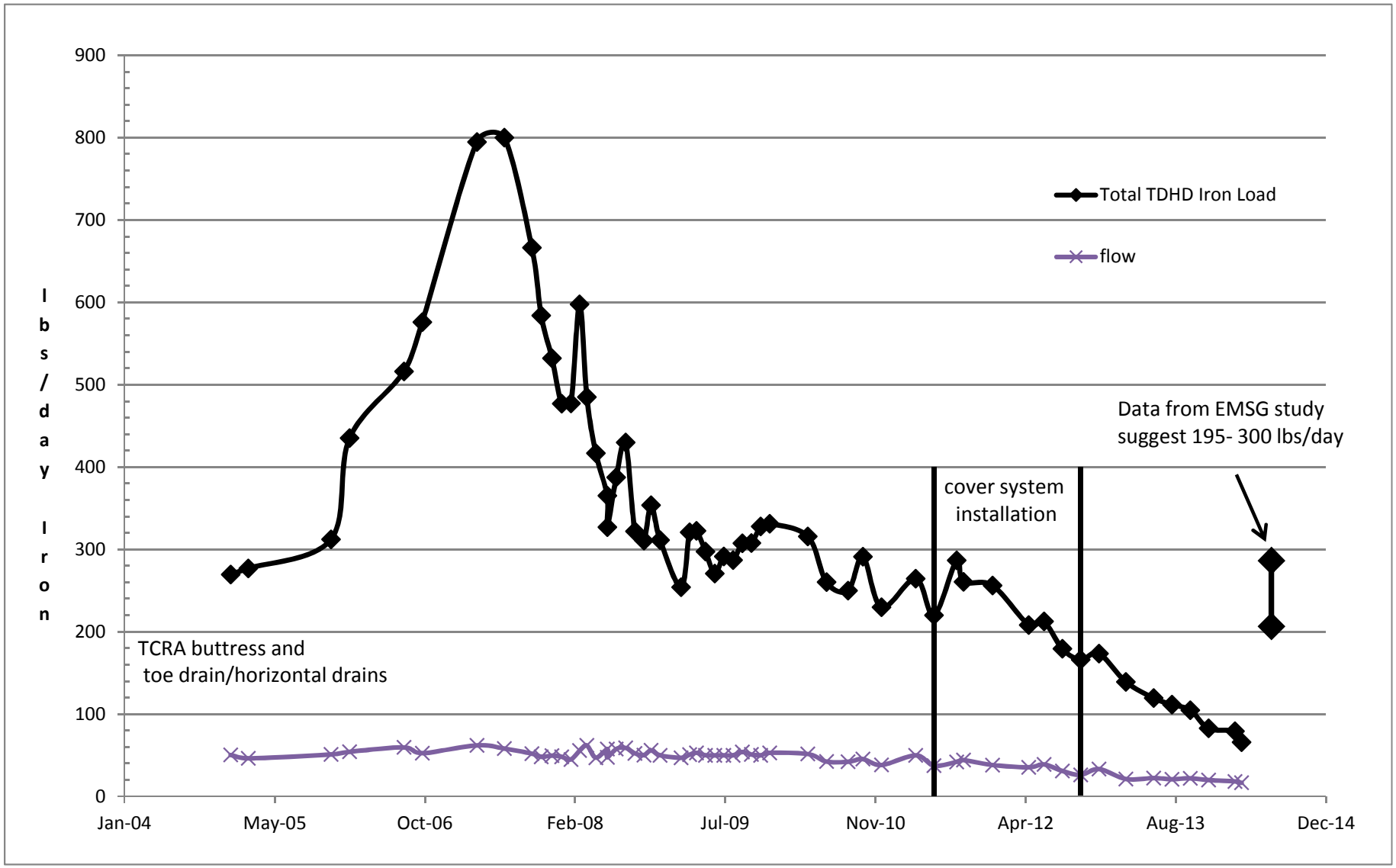
FIGURE 7-2

TP-1 WATER LEVEL DECLINE SECTION VIEW
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	ML	APPROVED BY:	AB
PROJECT NO.	80096.06	DATE:	MAY 2014

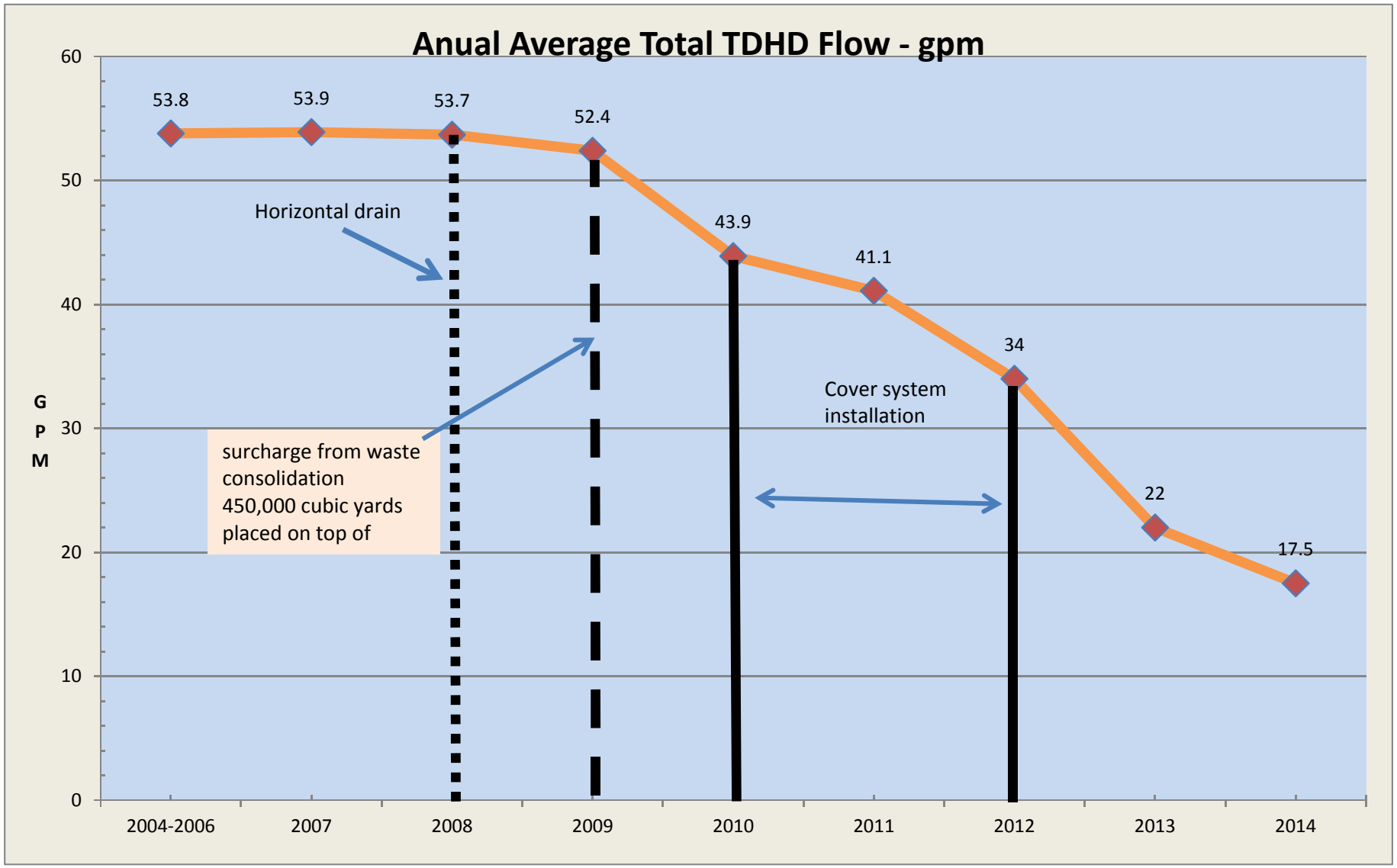
J:\80096\01 Elizabeth Mine 10-01\Civil CAD\dwg\10 96 FIVE YEAR REVIEW\80096-FYR-GW-XSEC1.dwg 5/22/2014 2:32 PM

Figure 7-3
Elizabeth Mine Superfund Site
Five Year Review
Iron Load for Leachate from TP-1



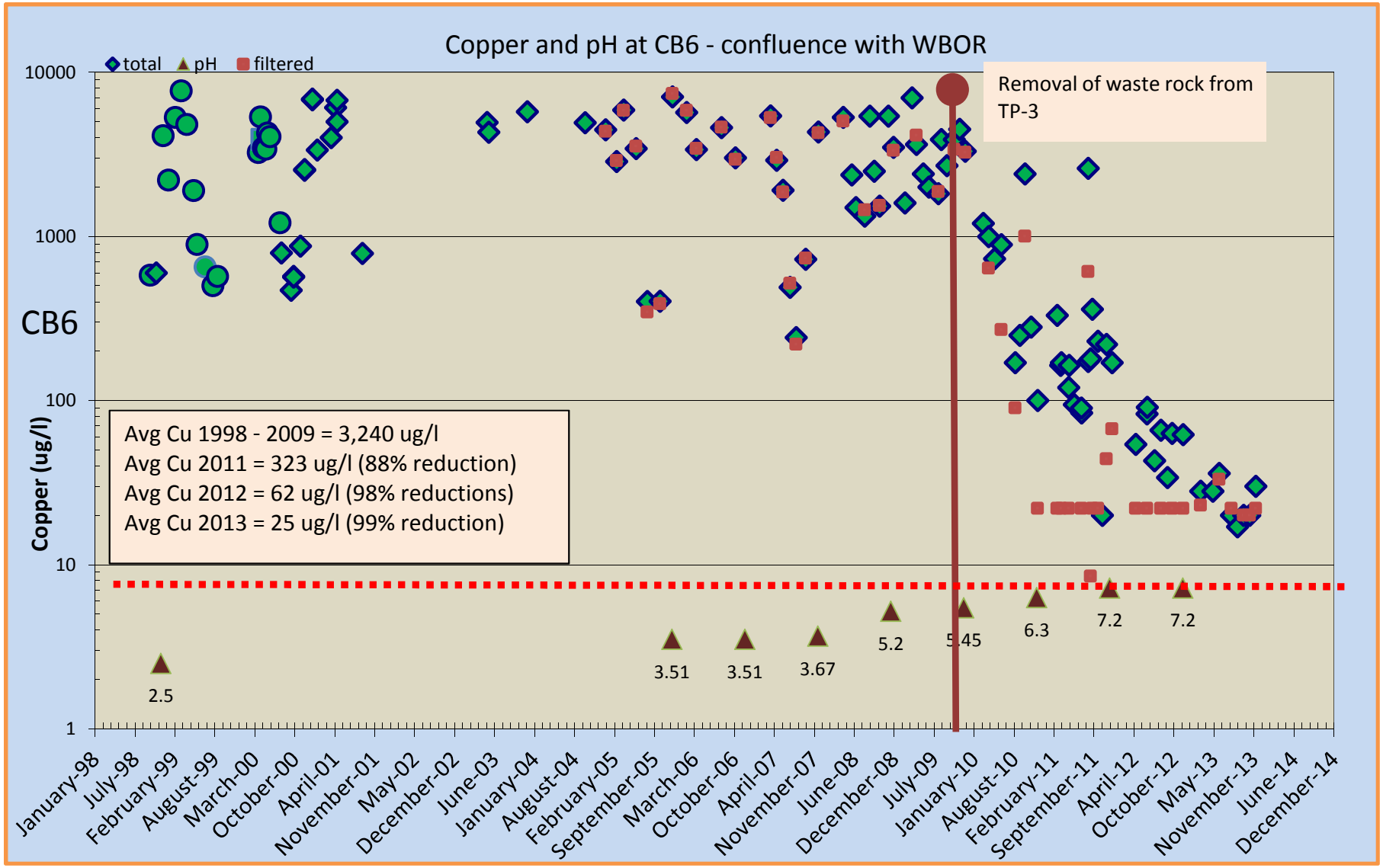
Notes:
1. Leachate measured at each toe drain and horizontal drain and shown in pounds per day.

Figure 7-4
Elizabeth Mine Superfund Site
Five Year Review
Annual Average Total TDHD Flow



Notes:
1. Total flow measured in gallons per minute.

Figure 7-5
Elizabeth Mine Superfund Site
Five Year Review
Copper and pH at CB6 - Confluence with WBOR



APPENDIX A
Public Notice

Newsroom

News Releases from Region 1

EPA Conducts “Five-Year Review” for 16 New England Superfund Sites

Release Date: 05/09/2013
Contact Information: David Deegan, (617) 918-1017

(Boston, Mass. – May 9, 2013) – EPA is beginning the process of routine Five-Year Reviews of 16 Superfund sites across New England.

EPA conducts evaluations every five years on previously-completed clean up and remediation work performed at sites listed on the “National Priorities List” (aka Superfund sites) to determine whether the implemented remedies at the sites continue to be protective of human health and the environment. Further, five year review evaluations identify any deficiencies to the previous work and, if called for, recommend action(s) necessary to address them.

In addition to a careful evaluation of technical work at the sites, during the Five Year Review process EPA also provides the public with an opportunity to evaluate preliminary findings and to provide input on potential follow up activity that may be required following the review process.

The Superfund sites at which EPA is performing Five Year Reviews over the following several months include the following sites. Please note, the Web link provided after each site provides detailed information on site status and past assessment and cleanup activity.

Massachusetts

Iron Horse Park, North Billerica http://www.epa.gov/region1/superfund/sites/ironhorse

Nyanza Chemical Waste Dump, Ashland http://www.epa.gov/region1/superfund/sites/nyanza

Re-Solve, Inc., North Dartmouth http://www.epa.gov/region1/superfund/sites/resolve

Sullivan’s Ledge, New Bedford http://www.epa.gov/region1/superfund/sites/sullivansledge

Maine

McKin Co., Gray http://www.epa.gov/region1/superfund/sites/mckin

Saco Tannery Waste Pits, Saco http://www.epa.gov/region1/superfund/sites/sacotannery

West Site/Howe’s Corner, Plymouth http://www.epa.gov/region1/superfund/sites/hows

New Hampshire

Kearsarge Metallurgical Corp., Conway http://www.epa.gov/region1/superfund/sites/kearsarge

SDMS Doc ID 538671

Ottati & Goss, Kingston http://www.epa.gov/region1/superfund/sites/o&g

South Municipal Water Supply Well, Peterborough http://www.epa.gov/region1/superfund/sites/southmuni

Tinkham Garage, Londonderry http://www.epa.gov/region1/superfund/sites/tinkham

Town Garage/Radio Beacon, Londonderry http://www.epa.gov/region1/superfund/sites/towngarage

Rhode Island

Central Landfill, Johnston http://www.epa.gov/region1/superfund/sites/central

Picillo Farm, Coventry http://www.epa.gov/region1/superfund/sites/picillo

Vermont

Elizabeth Mine, Strafford http://www.epa.gov/region1/superfund/sites/elizmine

Old Springfield Landfill, Springfield http://www.epa.gov/region1/superfund/sites/oldspringfield

# # #

Learn More about the Latest EPA News & Events in New England (http://www.epa.gov/region1/newsevents/index.html)

Follow EPA New England on Twitter (http://twitter.com/epanewengland)

More info on EPA's Environmental Results in New England (http://www.epa.gov/region1/results/index.html)

Last updated on Friday, May 10, 2013 http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/c

NEWS RELEASE

U.S. Environmental Protection Agency
New England Regional Office
February 13, 2014

Contact: Emily Zimmerman, 617-918-1037

EPA Will Review 27 Superfund Site Clean Ups This Year

Boston, Mass. – (February 13, 2014) – EPA will review site clean ups and remedies at 27 Superfund Sites across New England this year by doing routine Five-Year Reviews at each site.

EPA conducts evaluations every five years on previously-completed clean up and remediation work performed at Superfund sites and Federal Facilities listed on the "National Priorities List" (aka Superfund sites) to determine whether the implemented remedies at the sites continue to be protective of human health and the environment. Further, five-year review evaluations identify any deficiencies to the previous work and, if called for, recommend action(s) necessary to address them.

In addition to a careful evaluation of technical work at the sites, during the Five Year Review process EPA also provides the public with an opportunity to evaluate preliminary findings and to provide input on potential follow up activity that may be required following the review process.

The Superfund Sites at which EPA is performing Five Year Reviews over the following several months include the following sites. Please note: the Web link provided after each site provides detailed information on site status and past assessment and cleanup activity.

Connecticut

Linemaster, Woodstock, CT
http://www.epa.gov/region1/superfund/sites/linemaster

Nutmeg Valley, Wolcott, CT
http://www.epa.gov/region1/superfund/sites/nutmeg

Maine

Saco Tannery Waste Pits, Saco
http://www.epa.gov/region1/superfund/sites/sacotannery

Massachusetts

Nyanza Chemical Waste Dump, Ashland
http://www.epa.gov/region1/superfund/sites/nyanza

Baird & McGuire, Holbrook
http://www.epa.gov/region1/superfund/sites/baird

Hatheway & Patterson, Mansfield
http://www.epa.gov/region1/superfund/sites/hatheway

Hocomonco Pond, Westborough
http://www.epa.gov/region1/superfund/sites/hocomonco

Rose Disposal, Lanesborough
http://www.epa.gov/region1/superfund/sites/ftrose

Silresim, Lowell
http://www.epa.gov/region1/superfund/sites/silresim

W.R. Grace, Acton
http://www.epa.gov/region1/superfund/sites/graceacton

Wells G&H, Woburn
http://www.epa.gov/region1/superfund/sites/wellsgh

Norwood PCBs, Norwood
http://www.epa.gov/region1/superfund/sites/norwood

South Weymouth Naval, Weymouth, MA
http://www.epa.gov/region1/superfund/sites/sweymouth

New Hampshire

Ottati & Goss, Kingston
http://www.epa.gov/region1/superfund/sites/og

Tinkham Garage, Londonderry
http://www.epa.gov/region1/superfund/sites/tinkham

Sylvester, Hillsborough County
http://www.epa.gov/region1/superfund/sites/sylvester

Town Garage/Radio Beacon, Rockingham
http://www.epa.gov/region1/superfund/sites/towngarage

New Hampshire Plating, Hillsborough County
http://www.epa.gov/region1/superfund/sites/nhplating

Pease Air Force Base, Portsmouth, Newington and Greenland, NH
http://www.epa.gov/region1/superfund/sites/pease

Rhode Island

Landfill Resource & Recovery, North Smithfield
http://www.epa.gov/region1/superfund/sites/lrr

Vermont

Elizabeth Mine, Strafford
http://www.epa.gov/region1/superfund/sites/elizmine

Parker Sanitary Landfill, Lyndonville
http://www.epa.gov/region1/superfund/sites/parker

Pownal, North Pownal
http://www.epa.gov/region1/superfund/sites/pownal

Bennington Municipal Landfill, Bennington
http://www.epa.gov/region1/superfund/sites/bennington

BFI Sanitary Landfill, Rockingham
http://www.epa.gov/region1/superfund/sites/bfi

Tansitor Electronics, Inc., Bennington County
http://www.epa.gov/region1/superfund/sites/tansitor

Pine Street Canal, Burlington
http://www.epa.gov/region1/superfund/sites/pinestreet

Learn more about the Latest EPA News & Events in New England
(http://www.epa.gov/region1/newsevents/index.html)

Follow EPA New England on Twitter (http://twitter.com/epanewengland)

More info on EPA's Environmental Results in New England
(http://www.epa.gov/region1/results/index.html)

If you would rather not receive future communications from U.S. EPA, Region 1, let us know by clicking here.
U.S. EPA, Region 1, 5 Post Office Square, Suite 100, Boston, MA 02109-3912 United States

APPENDIX B
Interview Notes

Elizabeth Mine Superfund Site
Five Year Review
State and Local Authority Interview Summary:

EPA received feedback from the Strafford Selectboard and Panning Commission, Vermont Department of Environmental Conservation, and the local representatives to the State Legislature. The comments were provided verbally at the May 20, 2014 information meeting or via response to the questionnaire. The comments are summarized under each question.

1. Do you have any concerns about the contamination at the Elizabeth Mine site that are not being addressed by the current or planned cleanup actions?

   While there was general satisfaction with the completed cleanup actions, there were concerns raised regarding the following:

   - The continued operation of the interim treatment system to reduce the iron discharge to the WBOR.
   - The residential property with a contaminated water supply.
   - The details of the cleanup plan for the Lord Brook Source Areas
   - The need for a groundwater contamination map to support a local groundwater hazard map.
   - Hazards associated with mine openings.

No… The state (VT DEC) has worked closely with EPA since the beginning of this Superfund Project.

2. Do you know of any Elizabeth Mine site conditions that may impact the protectiveness of the completed and planned cleanup activities?

Concerns were expressed regarding the cooperation of the private landowners to ensure long-term maintenance.

Another comment indicated no concerns.

The newly discovered groundwater contamination and physical hazards at the mine were identified as areas of concern.

None at this time. VT DEC is working closely with EPA to ensure the remedy meets the cleanup objectives.

3. Now that the majority of the Elizabeth Mine cleanup actions have been complete for several years, do you feel well informed about the site activities? If not, what would be the best way to keep you informed?

Email contact was suggested.

Yearly meetings was suggested.

The EPA Remedial Project Manager has gone out of his way to ensure that VT DEC is informed and involved through every step of the process.

4. Has EPA adequately addresses any concerns identified by your office (state or local government)?

The commentors agreed that EPA has addressed any concerns identified by the state and local government.

Yes, EPA and VT DEC have a good working relationship at this site. This is a complicated site and there are multifaceted issues. We (EPA and VT DEC) are in continual dialogue to resolve these issues (institutional controls, O&M obligations, compliance points, remedial designs, etc.) as they come up.

5. Are there any issues other that have not been addressed to your satisfaction? If so, please clarify?

The comments did not identified any issues associated with this question but there were issues identified in response to question 1 relating to the Water Treatment System, physical hazards, and newly discovered groundwater contamination.

6. Do you have any other comments to offer regarding the cleanup actions at the Elizabeth Mine Superfund site?

There was a request to be provided with more information regarding land use restrictions.

There was a comments that the cleanup was over-sized.

As stated earlier, this is a complicated and challenging site. The Remedial Project Manager has made it a priority to have the VT DEC participate as an important partner. This commitment to collaboration has made a difference as EPA and VT DEC navigated (and continue to do so) through the technical, funding, legal, policy, and community issues for this site. Given the limited resources of our state, one of our challenges will be to obtain the necessary funding through our state legislature to pay our 10% cost share of the remaining remedy and to meet our O&M obligations at the entire site, particularly if the remedy includes an active treatment system.

Elizabeth Mine Superfund Site
Five Year Review
Community Interview Summary:

EPA received feedback from the community. The comments were provided verbally at the May 20, 2014 information meeting or via response to the Five-Year Review Interview questionnaire. The comments are summarized under each question.

1. Do you have any concerns about the contamination at the Elizabeth Mine site that are not being addressed by the current or planned cleanup actions?

I am concerned about the water treatment system at the base of the tailings pile and the plan to eventually remove it. It is unclear to me how long it will be retained and what the consequences to the West Branch of the Ompompanoosuc River will be when it is removed.

It's also a little unclear to me what the plans for the Lord Brook watershed are and if and how they will be addressed.

The Stanley property is an area that definitely needs attention. There is anecdotal information that it is contaminated and its proximity to TP3 would suggest that it needs to be remediated.

Looks remarkably good.

I have been encouraged by the reports on the improved water quality.

Several individuals indicated that they have no comments and are satisfied with the cleanup.

2. Do you know of any Elizabeth Mine site conditions that may impact the protectiveness of the completed and planned cleanup activities?

The current conditions at the South Mine concern me, because it is so open and accessible. It is an attractive nuisance. The condition of the safety tape and plastic netting around the pool adjacent to Copperas Road seems particularly unsafe. (While much of the other remediated areas and the open cuts are somewhat spectacular attractive nuisances, it seems to me that the efforts to minimize accessibility to the other unsafe areas has been more effective.)

As mentioned, the Stanley property, which is nearly on top of the TP3 remediation, could at some point have a negative impact on the project if it is not addressed.
Several people interviewed indicated that they were not aware of any issues relating to this questions.

3. Now that the majority of the Elizabeth Mine cleanup actions have been complete for several years, do you feel well informed about the site activities? If not, what would be the best way to keep you informed?

In general, I think that the efforts to keep the public informed have been successful and that the level of detail has always erred on the side of too much detail as opposed to too little.

Public information meetings should be held at least yearly.

Publishing a meeting notice in the local newspaper has been helpful.

4. Do you have any other comments to offer regarding the cleanup actions at the Elizabeth Mine Superfund site.

It's been incredible experience in all respects: educationally, historically, scientifically, technically and politically. The final challenge will be to find re-uses of the site that make the investment of so much time, labor, money and human creativity meaningful and help us appreciate the Elizabeth Mine's place in our economic history, the damage done to the environment and the ingenuity required to fix it.

Way oversized fix for the size of the problem.

Comments were expressed regarding the expenditure of federal and state funding to address the remaining concerns rather than on other more significant concerns, such as Lake Champlain.

APPENDIX C
Documents Reviewed/References

Documents Reviewed/References

EPA, 1994. Guidance Manual for the Integrated Exposure Uptake Biokinetic Model for Lead in Children. OSWER #9285.7-15-1. Office of Emergency and Remedial Response, Washington, D.C. February. http://www.epa.gov/superfund/health/contaminants/lead/products/toc.pdf.

EPA, 1997. Health Effects Assessment Summary Tables; FY 1997 Update, EPA 540/R-97-036, National Center for Environmental Assessment, Cincinnati, Ohio. July.

EPA, 2002. USEPA Superfund Non-Time Critical Removal Action: Elizabeth Mine Superfund Site, USEPA ID: VTD988366621, Strafford/Thetford, Orange County, Vermont, August, 2002, 101 Pages.

EPA, 2006. USEPA Superfund Record of Decision Summary: Elizabeth Mine Superfund Site, USEPA ID: VTD988366621, Strafford/Thetford, Orange County, Vermont, September 28, 2006, 142 Pages.

EPA, 2006. Provisional Peer Reviewed Toxicity Values for Iron (CASRN 7439-89-6) and Compounds. Derivation of Chronic and Subchronic Oral RfDs. 11 September 2006.

EPA, 2007. Estimating the Soil Lead Concentration Term for the Integrated Exposure Uptake Biokinetic (IEUBK) Model [OSWER #9200.1-78] (September 2007).

EPA, 2008. Provisional Peer Reviewed Toxicity Values for Cobalt (CASRN 770-48-4). 25 August 2008.

EPA, 2009. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment). Final. Office of Superfund Remediation and Technology Innovation. Washington DC. EPA-540-R-070-002. OSWER 9285.7-82. January 2009.

EPA, 2013. EPA's ProUCL software Version 4.00.05, June 2013.

EPA, 2013. ProUCL Version 4.00.05 Technical Guide (Draft). EPA/600/R-07/041, May 2013.

EPA, 2013. ProUCL Version 4.00.05 User’s Guide (Draft). EPA/600/R-07/038, May 2013.

EPA, 2014. Integrated Risk Information System, On-Line Data Base. [URL: http:// www.epa.gov/iris/index.html].

Nobis, 2013. Phase II Non-Time Critical Removal Action Interim Completion Report, Elizabeth Mine Superfund Site, South Strafford, Vermont, May 2013.

URS Corporation (URS), 2006a. Draft Final Human Health Risk Assessment for Elizabeth Mine Site. May.

URS Corporation (URS), 2006b. Revised Draft Baseline Ecological Risk Assessment, Elizabeth Mine. May.

URS, 2009a. Waste Management Plan prepared by URS Corporation for the Elizabeth Mine Superfund Site, Strafford/Thetford, Orange County, Vermont.

URS, 2009b. Non-Time Critical Removal Action Closure Design for Elizabeth Mine, Strafford, Vermont, March 30, 2009.

USGS, 2007. Piatak, N. M., Seal, R. R., II, Sanzolone, R. F., Lamothe, P. J., Brown, Z. A., Adams, M., (USGS) 2007. Sequential Extraction Results and Mineralogy of Mine Waste and Stream Sediments Associated With Metal Mines in Vermont, Maine, and New Zealand. OFR 2007-1063.

VT DEC, 2014. An Assessment of the Biological Integrity of the Aquatic Macroinvertebrate Communities from Intermittent Small Tributaries to Lords Brook Originating from the South Cut and South Mine of the Elizabeth Copper Mine Superfund Site. Vermont Department of Environmental Conservation, Watershed Management Division, January 2014, 11 pages.

VT ANR, 1996. Agency Guidelines for Petroleum Contaminated Soil and Debris, Vermont State Agency of Natural Resources, Waste Management Division, August 1996, 28 Pages.

Weston, 2012, Final Phase I and Partial Phase II Completion Report for the Non-Time Critical Removal Action, Elizabeth Mine Superfund Site, South Strafford, Vermont, February 2012.

APPENDIX D
SITE INSPECTION AND PHOTOS

SITE INSPECTION REPORT
ELIZABETH MINE SUPERFUND SITE
SOUTH STRAFFORD, VERMONT
FIVE YEAR REVIEW
DECEMBER 4, 2013 & MAY 20, 2014

1.0 INTRODUCTION

This report documents and presents the observations made by Nobis Engineering, Inc. (Nobis) during the first Five Year Review (FYR) site inspections of the Elizabeth Mine Superfund Site (Site) conducted on December 4, 2013 and May 20, 2014. Representatives from the United States Environmental Protection Agency (USEPA) and the Vermont Department of Environmental Conservation (VTDEC) were present on the Site and accompanied Nobis during the inspection.

The inspections included completed portions of the Remedial Action (RA), Time Critical Removal Action (TCRA), and Non-Time Critical Removal Action (NTCRA), as well as incomplete/on-going portions of NTCRA anticipated to be completed by the end of 2015. Below is a summary of the inspection activities:

Completed Actions:

- RA - Copperas Factory Area for settlement, vegetative growth, and stability of historic walls and stone cover;
- TCRA – Buttress and Toe Tailing Areas for stability, vegetative cover, and settlement;
- NTCRA Phase I – Perimeter Channels for evidence of erosion, sedimentation, vegetation, and blockage;
- NTCRA Phase I – Former Tailing Pile 3 (TP-3) Area for stability, blockages, adit access security;
- NTCRA Phase II – Tailing Pile 1 and Tailing Pile 2 (TP-1/TP-2) Cover System Surface for evidence of erosion, cover system disturbance, settlement, and vegetation;
- NTCRA Phase II – TP-1 Cover System Side Slope Collector Swales for evidence of erosion, settlement, vegetation, flow, and overflow;
- NTCRA Phase II – TP-1/TP-2 Cover System Drainage Features for damage, settlement, sedimentation, vegetation, and blockage;

- NTCRA Phase II – TP-1/TP-2 Cover System Penetrations (i.e., monitoring wells, cleanouts, etc.) for settlement, movement, and damage;
- NTCRA Phase II – World War II Building Foundations Area (WWII Area) for stability, evidence of erosion, sedimentation, and vegetation; and,
- NTCRA Phase II – World War II Building Debris Disposal Area (WWII BDDA) for stability, evidence of erosion, settlement, and vegetation.

Incomplete/On-going Actions:

- NTCRA Phase II – Constructed Wetland Areas for evidence of erosion, functionality, stability, and vegetative and plant growth;
- NTCRA Phase II – Borrow and Site Restoration Areas (outside the cover system) for stability, evidence of erosion, and vegetation; and,
- NTCRA Phase II – Site Entrances and Access Roads for security, evidence of erosion, stability, and damage.

This report is based on visual observations made during the Site inspections. An evaluation of subsurface conditions was not within the scope of these inspections. The Standard FYR Site Inspection Checklist was used to document the Site inspection in the fall of 2013 and a new Site-specific Inspection Checklist was used to document the Site inspection in the fall of 2014. The checklists are provided as Attachment 1. Refer to the Site Plan (provided as Attachment 2) for the location of items (repairs/maintenance and monitoring) noted during the Site inspections. Photographs documenting site conditions and observations made during the inspections are provided as Attachment 3.

2.0 SUMMARY OF INSPECTIONS

The results of the Site inspections are presented below according to the various components outlined above:

RA - Copperas Factories Area

The stone cover system and historic foundation walls appeared to be in good condition (Photos 1 and 2). Overall, the Former Copperas Factories areas appeared to be stable, with no evidence of slope or foundation wall failure. A small area of potential settlement was observed

on the back side of the north foundation wall of the Former Lower Copperas Factory, in the approximate center of the wall (Photo 3). This area should be monitored for additional settlement. Sparse vegetation was observed in the stone cover and on top of the foundation wall. Routine maintenance should be performed to remove the vegetation from the stone cover and foundation walls.

TCRA - Buttress and Toe Tailing Area

The buttress and toe tailing area appeared to be in good condition (Photos 4 through 7). A healthy stand of maintained grass vegetation covered the buttress and toe tailing areas with no evidence of erosion, instability, or settlement. There was no evidence of erosion, instability, settlement, or sedimentation in the downchute or rip rap lined channels. The downchute and channels appeared to be operating properly.

NTCRA Phase I - Perimeter Channels

The perimeter channels located along the south, east, and west sides of the cover system convey stormwater runoff from the cover system and adjacent up gradient areas, and intercepts shallow groundwater from outside the cover system. These channels appeared to be in good condition. No erosion, evidence of stone movement, or blockages was observed. Minor sedimentation and vegetation (grasses, trees, and shrubs) was observed through portions of the channels, but it did not appear to be impeding flow or function of the channels. Sedimentation and growth of vegetation is a natural occurrence in channels, however, the sediment depth and size/density of vegetation should be monitored. It appeared the northern limit of the west channel may be experiencing some undercutting. Nobis recommends monitoring this area in the future.

NTCRA Phase I - Former TP-3 Area

The former TP-3 area appeared to be in good condition (Photos 8 and 9). Nobis did not observe any areas of instability or settlement. The drainage pipes and channels were operating properly, and no blockages were observed. The grates over the adits were in place and functional.

NTCRA Phase II - TP-1/TP-2 Cover System Surface

The cover system surface appeared to be in good condition (Photos 10 through 14). Nobis did not observe any settlement, differential settlement, or ponding on the cover system. No evidence of cover system leakage or instability were observed during inspection of the cover system. There is a healthy stand of maintained (mowed) grass vegetation throughout the cover system. No woody, or other potential deeply rooted plants, were observed on the cover system. Minimal vegetation was observed over portions of the cover system where a blown compost blanket was applied late in the fall of 2013. These areas remain stable and Nobis anticipates these areas will fill in to match adjacent vegetation later in the growing season.

NTCRA Phase II - TP-1 Cover System Side Slope Collectors Swales

The vegetated side slope collector swales located on the north and west slopes of TP-1 generally appeared to be in good condition. There is dense vegetative cover on the inside and outside slopes, and throughout the flow line of the swales. No evidence of erosion, settlement, or instability was observed. The transitions at the up gradient and down gradient ends of the swales remain stable with no evidence of erosion. In general it appears surface water runoff from up gradient portions of the cover system is being adequately collected by the swales and is flowing toward the downchute in the northwest corner of the cover system as designed. There is no evidence that water is not overtopping the side slope collector swales and flowing down the cover system surface.

NTCRA Phase II - TP-1/TP-2 Cover System Drainage Features

TP-1/TP-2 Cover System Drainage Features consist of a rip rap lined downchute and a series of rip rap lined surface swales. The rip rap lined downchute in the northwest corner of the cover system that conveys stormwater runoff from the Side Slope Collector Swales on the cover system to the West Channel outside the cover system appeared to be in good condition. There is no evidence of mobilized stone, debris, vegetative growth, sedimentation, or instability in the downchute. The rip rap lined surface swales located throughout TP-1 and TP-2 that convey stormwater runoff from the cover system to the East and West Channels appear to be in good condition with no evidence of mobilized stone, blockages, debris, vegetative growth, sedimentation, or instability. The high density polyethylene (HDPE) drainage outlet pipes from

the downchute and surface swales appeared to be in good condition. Rodent guards were in place and appeared to be working properly.

NTCRA Phase II - TP-1/TP-2 Cover System Penetrations

Cover penetrations consist of 14 monitoring wells and 3 cleanouts. The monitoring wells were installed at approximately vertical, and there was no evidence of settlement/movement. The cleanouts were installed at different angles as needed to tie into the pipes they are servicing. No evidence of settlement or movement was observed in/around the cleanouts. The monitoring wells and cleanouts were secured by locked covers and caps respectively. The monitoring wells located adjacent to the permanent access roads on TP-1 and TP-2 were covered with 4-foot tall orange construction barrels for visibility. No damage was observed.

NTCRA Phase II – WWII Area

The WWII Area appeared to be in good condition (Photos 15 and 16). The former building foundations and adjacent rip rap areas appeared to be stable and there were no signs of erosion or settlement. Pockets of sediment and sparse vegetation was observed throughout the area. These items are anticipated for this area, so no action is required at this time.

NTCRA Phase II – WWII BDDA

The earthen cover system in the WWII BDDA appeared to be in good condition. The area has a healthy stand of grass cover and appears to be stable. No settlement was observed during the inspection. An area of rilling/erosion was observed through the approximate center of the area (Photo 17). A second (smaller) area of erosion was observed in the southeast corner (Photo 18). The erosion through the approximate center of the area appeared to be the result of channelized run-on from up gradient surface runoff and shallow groundwater. The smaller area identified in the southeast corner of the area appeared to be a result of separation of the topsoil layer from the underlying till surface (minor slough). It should be noted that a stockpile of salvaged topsoil staged over the WWII BDDA during construction of the TP-1/TP-2 Cover System was removed during site restoration and wetland construction activities on-site in the fall of 2013. As a result, this area is considered part of the on-going site restoration activity. The rill and slough should be repaired to maintain the function of the earthen cover over the WWII BDDA, to minimize additional sediment migration, and to promote vegetative growth.

NTCRA Phase II - Constructed Wetland Areas

The wetland areas constructed in the fall of 2013 are a portion of the incomplete/on-going NTCRA Phase II activities anticipated to be completed in 2015. Overall the constructed wetlands appeared to be stable and functioning properly (Photos 19 and 20). The wetland plantings, including trees, shrubs, and live stakes, were in good condition with minimal deer browse and winter kill. The wetland areas were seeded in the fall of 2013, so little vegetation was observed. The wetland areas should be monitored to confirm a healthy stand of vegetation is established. Areas of rilling/erosion were observed to the east and south of Wetland Restoration Area #1 (Photos 21 and 22). These areas should be repaired to stabilize the areas and reduce the potential for additional sediment migration into the constructed wetlands.

NTCRA Phase II – Borrow and Site Restoration Areas

General site and borrow source restoration activities being performed under NTCRA Phase II activities are anticipated to be completed in 2015. Nobis performed an inspection of portions of the site and borrow source areas restored to-date as part of the FYR Site Inspections. In general, restored areas on-site appeared to be stable with a good stand of vegetative cover (Photos 23 and 24). Two areas of erosion were observed during the inspection. Rilling was observed down gradient of, and adjacent to, sections of the diversion swales in the southern portion of the former Expanded Northeast Borrow Source area (Photo 25). The rilling was likely a result of high flow conditions experienced on-site in the fall of 2013 and spring of 2014, prior to vegetation being established. Rilling/erosion was also observed in the wooded area northeast of the Toe Tailing Channel (Photo 26). Nobis recommends these areas be repaired to minimize the potential for additional erosion and to promote long-term stabilization of the areas.

NTCRA Phase II – Site Entrances and Access Roads

The Site entrances, including the chain link fence around the Water Treatment System (WTS) and WTS Sedimentation Basin, were gated and locked (Photos 27 and 28). The gates appeared to be in fair to good condition. All gates functioned properly (opened and closed).

Access roads on-site appeared to be in good condition. No significant erosion, areas of settlement, or instability were observed. Areas of minor rilling/erosion were observed along the West Access Road, in the parking area north of the Water Treatment System building, and on

Jeep Road between the Northeast Borrow Source Area and the Expanded Northeast Borrow Source Area (Photo 29). Minor rilling is typical/expected during restoration activities on-site, as the access roads are used by loaded dump trucks and other heavy equipment. These areas should be monitored and repaired as needed during the on-going restoration activities.

3.0 CONCLUSION

This is the first FYR site inspection conducted for the Elizabeth Mine Superfund Site. The only maintenance/repairs required in completed RA, TCRA, and NTCRA areas is removal of the vegetation in the Copperas Factory Areas. All items requiring maintenance/repair are part of the on-going NTCRA Phase II activities. These items are summarized in Table 1. Items recommended for continued monitoring are summarized in Table 2.

Tables

Elizabeth Mine Five Year Review

May 20, 2014

Table 1 – Items Requiring Repair/Maintenance from the 2014 Inspection

Table 2 – Long Term Monitoring Items

Table 1
Items Requiring Repair/Maintenance
Elizabeth Mine Superfund Site
South Strafford, Vermont
Five Year Review
May 2014

Item #	Description	Status	Corrective Action Complete?	Recommendation
1	Routine Maintenance in Copperas Factory Areas	New Item		Remove Vegetation.
2	Rill/Erosion in approximate center of WWII BDDA	New Item		Fill rill with compacted topsoil, seed, and install matting or hay mulch.
3	Slough in southeast corner of WWII BDDA	New Item		Fill slough area with compacted topsoil, seed, and install matting or hay mulch.
4	Erosion east of WRA#1	New Item		Regrade area, define armored drainage channel, revegetate area.
5	Erosion south of WRA#1	New Item		Redefine existing swale with deeper V-notch and stone section.
6	Rills/Erosion in southern portion of E-NEBSA	New Item		Fill rill with compacted topsoil, seed, and install matting or hay mulch.
7	Rills/Erosion east of the Toe Tailing Channel Extension.	New Item		Construct armored drainage channel connecting diversion channel to Toe Tailing Channel.

Table 2
Long-Term Monitoring Items
Elizabeth Mine Superfund Site
South Strafford, Vermont
Five Year Review
May 2014

Item #	Description	Status	Recommendation
1	Potential Settlement behind north wall in Lower Copperas Factory Area	New Item	Photo document and measure annually.
2	Potential undercutting at north end of West Channel	New Item	Photo document and inspect annually
3	Sedimentation and Vegetation Growth in East & West Channels	New Item	Photo document and inspect annually
4	Blown compost areas on TP-1/TP-2 Cover System	New Item	Photo document and inspect annually
5	Minor rilling along Access Roads	New Item	Photo document and inspect annually

Attachment 1

Site Inspection Checklists

Elizabeth Mine Five Year Review

Fall 2013 – December 4, 2013

Spring 2014 – May 20, 2014

Site Inspection Checklist

I. SITE INFORMATION	
Site name: Elizabeth Mine Superfund Site	**Date of inspection: 12/04/2013**
Location and Region: Orange County, Vermont	**EPA ID: 0102071**
Agency, office, or company leading the five-year review: USEPA Region 1	**Weather/temperature: Partly Cloudy to Mostly Sunny, 35 F, Calm**

Remedy Includes: (Check all that apply)

☒ Landfill cover/containment
☒ Access controls
☒ Institutional controls
☒ Groundwater pump and treatment
☐ Surface water collection and treatment
☐ Other_____
_____

☐ Monitored natural attenuation
☐ Groundwater containment
☐ Vertical barrier walls

Attachments: ☒ Inspection team roster attached ☒ Site map attached

II. INTERVIEWS (Check all that apply)

1. **O&M site manager** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____
   _____

2. **O&M staff** _____ _____ _____
   Name Title Date
   Interviewed ☐ at site ☐ at office ☐ by phone Phone no. _____
   Problems, suggestions; ☐ Report attached _____
   _____

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

Agency _____
Contact _____ _____ _____ _____
Name Title Date Phone no.
Problems; suggestions; ☐ Report attached _____
_____

Agency _____
Contact _____ _____ _____ _____
Name Title Date Phone no.
Problems; suggestions; ☐ Report attached _____
_____

Agency _____
Contact _____ _____ _____ _____
Name Title Date Phone no.
Problems; suggestions; ☐ Report attached _____
_____

Agency _____
Contact _____ _____ _____ _____
Name Title Date Phone no.
Problems; suggestions; ☐ Report attached _____
_____

4. **Other interviews** (optional) ☐ Report attached.

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)				
1.	**O&M Documents**			
	☒ O&M manual	☒ Readily available	☐ Up to date	☐ N/A
	☒ As-built drawings	☒ Readily available	☐ Up to date	☐ N/A
	☒ Maintenance logs	☒ Readily available	☐ Up to date	☐ N/A
	Remarks: O&M Manual and Maintenance logs for Water Treatment System located in WTS Building. As-Built Drawings located in Mobile Mini Trailer at main entrance.			
2.	**Site-Specific Health and Safety Plan**	☒ Readily available	☒ Up to date	☐ N/A
	☐ Contingency plan/emergency response plan	☐ Readily available	☐ Up to date	☒ N/A
	Remarks: Hard copy located in Mobile Mini Trailer at main entrance.			
3.	**O&M and OSHA Training Records**	☒ Readily available	☒ Up to date	☐ N/A
	Remarks: OSHA Training Certificates stored in Mobile Mini Trailer at main entrance.			
4.	**Permits and Service Agreements**			
	☐ Air discharge permit	☐ Readily available	☐ Up to date	☒ N/A
	☐ Effluent discharge	☐ Readily available	☐ Up to date	☒ N/A
	☐ Waste disposal, POTW	☐ Readily available	☐ Up to date	☒ N/A
	☐ Other permits_____	☐ Readily available	☐ Up to date	☒ N/A
	Remarks_____			
5.	**Gas Generation Records**	☐ Readily available	☐ Up to date	☒ N/A
	Remarks_____			
6.	**Settlement Monument Records**	☐ Readily available	☐ Up to date	☒ N/A
	Remarks_____			
7.	**Groundwater Monitoring Records**	☐ Readily available	☐ Up to date	☒ N/A
	Remarks: This information is not stored on-site.			
8.	**Leachate Extraction Records**	☒ Readily available	☒ Up to date	☐ N/A
	Remarks: Gravity flow from Horizontal Drains and Toe Drains in tailing pile measured in wet well via pump flow (gallons per minute).			
9.	**Discharge Compliance Records**			
	☐ Air	☐ Readily available	☐ Up to date	☒ N/A
	☒ Water (effluent)	☒ Readily available	☒ Up to date	☐ N/A
	Remarks: Effluent discharge readings from WTS sedimentation basin stored in field log book in WTS building.			
10.	**Daily Access/Security Logs**	☒ Readily available	☒ Up to date	☐ N/A
	Remarks: Sign-in/out logs stored in Mobile Mini Trailer at main entrance.			

IV. O&M COSTS

1. **O&M Organization**

☐ State in-house ☒ Contractor for State
☐ PRP in-house ☐ Contractor for PRP
☐ Federal Facility in-house ☒ Contractor for Federal Facility
☐ Other_____

2. **O&M Cost Records**

☐ Readily available ☐ Up to date
☒ Funding mechanism/agreement in place
Original O&M cost estimate_____ ☐ Breakdown attached

Total annual cost by year for review period if available

From_____ To_____ _____ ☐ Breakdown attached
Date Date Total cost
From_____ To_____ _____ ☐ Breakdown attached
Date Date Total cost
From_____ To_____ _____ ☐ Breakdown attached
Date Date Total cost
From_____ To_____ _____ ☐ Breakdown attached
Date Date Total cost
From_____ To_____ _____ ☐ Breakdown attached
Date Date Total cost

3. **Unanticipated or Unusually High O&M Costs During Review Period**

Describe costs and reasons: _____

V. ACCESS AND INSTITUTIONAL CONTROLS ☒ Applicable ☐ N/A

A. Fencing

1. **Fencing damaged** ☐ Location shown on site map ☒ Gates secured ☐ N/A

Remarks: Gates were secured and locked at the main entrance, Trestle Road entrance, Joe's Ski Slope entrance, and Jeep Road entrance.

B. Other Access Restrictions

1. **Signs and other security measures** ☒ Location shown on site map ☐ N/A

Remarks: Appropriate signage in-place at the 4 gates noted above in Section V.A.1.

C. Institutional Controls (ICs)

1. **Implementation and enforcement**

Site conditions imply ICs not properly implemented ☐ Yes ☒ No ☐ N/A
Site conditions imply ICs not being fully enforced ☐ Yes ☒ No ☐ N/A

Type of monitoring (*e.g.*, self-reporting, drive by) _____
Frequency _____
Responsible party/agency _____
Contact _____ _____ _____ _____
Name Title Date Phone no.

Reporting is up-to-date ☒ Yes ☐ No ☐ N/A
Reports are verified by the lead agency ☒ Yes ☐ No ☐ N/A

Specific requirements in deed or decision documents have been met ☒ Yes ☐ No ☐ N/A
Violations have been reported ☐ Yes ☒ No ☐ N/A
Other problems or suggestions: ☐ Report attached
_____
_____
_____
_____

2. **Adequacy** ☒ ICs are adequate ☐ ICs are inadequate ☐ N/A
Remarks_____
_____
_____

D. General

1. **Vandalism/trespassing** ☐ Location shown on site map ☒ No vandalism evident
Remarks_____
_____

2. **Land use changes on site** ☒ N/A
Remarks_____
_____

3. **Land use changes off site** ☒ N/A
Remarks_____
_____

VI. GENERAL SITE CONDITIONS

A. Roads ☒ Applicable ☐ N/A

1. **Roads damaged** ☐ Location shown on site map ☒ Roads adequate ☐ N/A
Remarks_____
_____

B. Other Site Conditions

Remarks: Entrances, access roads, and parking areas on-site remain in satisfactory condition, suitable for passenger vehicle travel.

VII. LANDFILL COVERS ☒ Applicable ☐ N/A

A. Landfill Surface

1. **Settlement** (Low spots) ☐ Location shown on site map ☒ Settlement not evident
Areal extent_____ Depth_____
Remarks_____

2. **Cracks** ☐ Location shown on site map ☒ Cracking not evident
Lengths_____ Widths_____ Depths_____
Remarks_____

3. **Erosion** ☐ Location shown on site map ☒ Erosion not evident
Areal extent_____ Depth_____
Remarks_____

4. **Holes** ☐ Location shown on site map ☒ Holes not evident
Areal extent_____ Depth_____
Remarks_____

5. **Vegetative Cover** ☒ Grass ☒ Cover properly established ☒ No signs of stress
☐ Trees/Shrubs (indicate size and locations on a diagram)
Remarks_____

6. **Alternative Cover (armored rock, concrete, etc.)** ☐ N/A
Remarks: Rip rap lined swales and down comers are stable and functional.

7. **Bulges** ☐ Location shown on site map ☒ Bulges not evident
Areal extent_____ Height_____
Remarks_____

8. **Wet Areas/Water Damage** ☒ Wet areas/water damage not evident

☐ Wet areas ☐ Location shown on site map Areal extent_____

☐ Ponding ☐ Location shown on site map Areal extent_____

☐ Seeps ☐ Location shown on site map Areal extent_____

☐ Soft subgrade ☐ Location shown on site map Areal extent_____

Remarks_____

_____

9. **Slope Instability** ☐ Slides ☐ Location shown on site map ☒ No evidence of slope instability

Areal extent_____

Remarks_____

_____

B. Benches ☒ Applicable ☐ N/A

(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)

1. **Flows Bypass Bench** ☐ Location shown on site map ☒ N/A or okay

Remarks_____

_____

2. **Bench Breached** ☐ Location shown on site map ☒ N/A or okay

Remarks_____

_____

3. **Bench Overtopped** ☐ Location shown on site map ☒ N/A or okay

Remarks_____

_____

C. Letdown Channels ☒ Applicable ☐ N/A

(Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)

1. **Settlement** ☐ Location shown on site map ☒ No evidence of settlement

Areal extent_____ Depth_____

Remarks_____

_____

2. **Material Degradation** ☐ Location shown on site map ☒ No evidence of degradation

Material type_____ Areal extent_____

Remarks_____

_____

3. **Erosion** ☐ Location shown on site map ☒ No evidence of erosion

Areal extent_____ Depth_____

Remarks_____

_____

4. **Undercutting** ☐ Location shown on site map ☒ No evidence of undercutting
Areal extent_____ Depth_____
Remarks_____
_____

5. **Obstructions** Type_____ ☒ No obstructions
☐ Location shown on site map Areal extent_____
Size_____
Remarks_____
_____

6. **Excessive Vegetative Growth** Type_____
☒ No evidence of excessive growth
☒ Vegetation in channels does not obstruct flow
☐ Location shown on site map Areal extent_____
Remarks: Dense vegetative/grass cover exists over portions of the landfill cover completed in 2011, and moderate vegetative/grass cover exists over portions of the landfill cover completed in 2012._ ____

D. Cover Penetrations ☒ Applicable ☐ N/A

1. **Gas Vents** ☐ Active ☐ Passive
☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
☐ Evidence of leakage at penetration ☐ Needs Maintenance
☒ N/A
Remarks_____
_____

2. **Gas Monitoring Probes**
☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
☐ Evidence of leakage at penetration ☐ Needs Maintenance ☒ N/A
Remarks_____
_____

3. **Monitoring Wells** (within surface area of landfill)
☒ Properly secured/locked ☒ Functioning ☒ Routinely sampled ☒ Good condition
☐ Evidence of leakage at penetration ☐ Needs Maintenance ☐ N/A
Remarks_____
_____

4. **Leachate Extraction Wells**
☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition
☐ Evidence of leakage at penetration ☐ Needs Maintenance ☒ N/A
Remarks_____
_____

5. **Settlement Monuments** ☐ Located ☐ Routinely surveyed ☒ N/A
Remarks_____
_____

E. Gas Collection and Treatment ☐ Applicable ☒ N/A

1. **Gas Treatment Facilities**
   ☐ Flaring ☐ Thermal destruction ☐ Collection for reuse
   ☐ Good condition ☐ Needs Maintenance
   Remarks_____
   _____

2. **Gas Collection Wells, Manifolds and Piping**
   ☐ Good condition ☐ Needs Maintenance
   Remarks_____
   _____

3. **Gas Monitoring Facilities** (*e.g.*, gas monitoring of adjacent homes or buildings)
   ☐ Good condition ☐ Needs Maintenance ☐ N/A
   Remarks_____
   _____

F. Cover Drainage Layer ☒ Applicable ☐ N/A

1. **Outlet Pipes Inspected** ☒ Functioning ☐ N/A
   Remarks_____
   _____

2. **Outlet Rock Inspected** ☒ Functioning ☐ N/A
   Remarks_____
   _____

G. Detention/Sedimentation Ponds ☒ Applicable ☐ N/A

1. **Siltation** Areal extent_____ Depth_____ ☐ N/A
   ☐ Siltation not evident
   Remarks: Sludge/siltation present within sedimentation basin from water treatment system on-site as planned. _____

2. **Erosion** Areal extent_____ Depth_____
   ☐ Erosion not evident
   Remarks: Minor erosion observed on the inside slope in the southeast corner of the sedimentation basin. Slope remains stable, and no significant sloughing to date. _____

3. **Outlet Works** ☒ Functioning ☐ N/A
   Remarks_____
   _____

4. **Dam** ☒ Functioning ☐ N/A
   Remarks_____
   _____

H. Retaining Walls ☒ Applicable ☐ N/A

1. **Deformations** ☐ Location shown on site map ☒ Deformation not evident
Horizontal displacement_____ Vertical displacement_____
Rotational displacement_____
Remarks_____
_____

2. **Degradation** ☐ Location shown on site map ☒ Degradation not evident
Remarks_____
_____

I. Perimeter Ditches/Off-Site Discharge ☒ Applicable ☐ N/A

1. **Siltation** ☐ Location shown on site map ☒ Siltation not evident
Areal extent_____ Depth_____
Remarks_____
_____

2. **Vegetative Growth** ☐ Location shown on site map ☒ N/A
☐ Vegetation does not impede flow
Areal extent_____ Type_____
Remarks_____
_____

3. **Erosion** ☒ Location shown on site map ☐ Erosion not evident
Areal extent_____ Depth_____
Remarks: Erosion occurring down gradient of West Side Diversion Channel and Toe Tailing Channel Extension._____

4. **Discharge Structure** ☐ Functioning ☒ N/A
Remarks_____
_____

VIII. VERTICAL BARRIER WALLS ☐ Applicable ☒ N/A

1. **Settlement** ☐ Location shown on site map ☐ Settlement not evident
Areal extent_____ Depth_____
Remarks_____
_____

2. **Performance Monitoring** Type of monitoring_____
☐ Performance not monitored
Frequency_____ ☐ Evidence of breaching
Head differential_____
Remarks_____
_____

IX. GROUNDWATER/SURFACE WATER REMEDIES ☒ Applicable ☐ N/A

A. Groundwater Extraction Wells, Pumps, and Pipelines ☐ Applicable ☒ N/A

1. **Pumps, Wellhead Plumbing, and Electrical**
   ☐ Good condition ☐ All required wells properly operating ☐ Needs Maintenance ☒ N/A
   Remarks_____

2. **Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances**
   ☒ Good condition ☐ Needs Maintenance
   Remarks_____

3. **Spare Parts and Equipment**
   ☒ Readily available ☒ Good condition ☐ Requires upgrade ☐ Needs to be provided
   Remarks_____

B. Surface Water Collection Structures, Pumps, and Pipelines ☐ Applicable ☒ N/A

1. **Collection Structures, Pumps, and Electrical**
   ☐ Good condition ☐ Needs Maintenance
   Remarks_____

2. **Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances**
   ☐ Good condition ☐ Needs Maintenance
   Remarks_____

3. **Spare Parts and Equipment**
   ☐ Readily available ☐ Good condition ☐ Requires upgrade ☐ Needs to be provided
   Remarks_____

C. Treatment System ☒ Applicable ☐ N/A

1. **Treatment Train** (Check components that apply)
   ☒ Metals removal ☐ Oil/water separation ☐ Bioremediation
   ☐ Air stripping ☐ Carbon adsorbers
   ☐ Filters_____
   ☒ Additive (*e.g.*, chelation agent, flocculent): Lime (powder)_____
   ☐ Others_____
   ☒ Good condition ☐ Needs Maintenance
   ☒ Sampling ports properly marked and functional
   ☒ Sampling/maintenance log displayed and up to date
   ☒ Equipment properly identified
   ☒ Quantity of groundwater treated annually: Approximately 5,000,000 gallons_____
   ☐ Quantity of surface water treated annually_____
   Remarks_____

2. **Electrical Enclosures and Panels** (properly rated and functional)
☐ N/A ☒ Good condition ☐ Needs Maintenance
Remarks_____

3. **Tanks, Vaults, Storage Vessels**
☐ N/A ☒ Good condition ☐ Proper secondary containment ☐ Needs Maintenance
Remarks_____

4. **Discharge Structure and Appurtenances**
☐ N/A ☒ Good condition ☐ Needs Maintenance
Remarks_____

5. **Treatment Building(s)**
☐ N/A ☒ Good condition (esp. roof and doorways) ☐ Needs repair
☒ Chemicals and equipment properly stored
Remarks_____

6. **Monitoring Wells** (pump and treatment remedy)
☒ Properly secured/locked ☒ Functioning ☒ Routinely sampled ☒ Good condition
☐ All required wells located ☐ Needs Maintenance ☐ N/A
Remarks: Wet Well for Water Treatment System_____

D. Monitoring Data

1. Monitoring Data
☒ Is routinely submitted on time ☒ Is of acceptable quality

2. Monitoring data suggests:
☐ Groundwater plume is effectively contained ☒ Contaminant concentrations are declining

D. Monitored Natural Attenuation

1. **Monitoring Wells** (natural attenuation remedy)
☒ Properly secured/locked ☒ Functioning ☒ Routinely sampled ☒ Good condition
☒ All required wells located ☐ Needs Maintenance ☐ N/A
Remarks_____

X. OTHER REMEDIES

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.

XI. OVERALL OBSERVATIONS

A. Implementation of the Remedy

Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

B. Adequacy of O&M

Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

_____
_____
_____
_____
_____
_____
_____
_____
_____

C.	**Early Indicators of Potential Remedy Problems**
	Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs, that suggest that the protectiveness of the remedy may be compromised in the future. _____ _____ _____ _____ _____ _____ _____ _____ _____
D.	**Opportunities for Optimization**
	Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy. _____ _____ _____ _____ _____ _____ _____ _____ _____

NOBIS PROJECT #: 80096.00

FIVE YEAR REVIEW
SITE INSPECTION CHECKLIST

Project Number:	**80096.00**	**Weather:**	**Sunny, Light Wind**
Site Name:	**Elizabeth Mine Superfund Site**	**Temperature:**	**55F (AM), 71F (PM)**
Town:	**South Strafford**	**Site Map:**	**See Figure 1**
State:	**Vermont**	**Date of**	
PRP Representatives:	**N/A**	**Inspection:**	**May 20, 2014**
Inspection Team:	**B. Kay (NOBIS), E. Hathaway (USEPA), J. Schmeltzer (VTDEC)**		

ITEM	REMARKS
RA - COPPERAS FACTORIES AREA	
1. SETTLEMENT (LOW SPOTS) Yes ☒ No ☐ Location (indicate on site map): See Figure 1 Areal Extent: 3' x 3' Depth: 1'	Potential area of settlement observed behind north foundation wall of the Former Lower Copperas Factory, in the approximate center of the wall. Recommend monitoring area.
2. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
3. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	
4. VEGETATION Yes ☒ No ☐ Type: Grass, Trees, Shrubs Location (indicate on site map): See Figure 1 Size: Small	Vegetation observed growing through historic stone foundations and stone cover. Recommend removing vegetation and performing routine maintenance.
5. ARMORED COVER Yes ☒ No ☐ Material Type: River Rock Condition: Good	
6. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
7. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒	

ITEM	REMARKS
Location (indicate on site map): Areal Extent:	
8. SLOPE INSTABILITY Yes ☐ No ☒ Slides: Location (indicate on site map): Areal Extent: Probable Slide Interface: Suspected Cause: Exposed Cover Components:	
TCRA – BUTTRESS AND TOE TAILING AREA	
1. SETTLEMENT (LOW SPOTS) Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. CRACKS Yes ☐ No ☒ Location (indicate on site map): Length: Width: Depth:	
3. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
4. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	
5. VEGETATIVE COVER Yes ☒ No ☐ Grass: Condition: Good Trees/Shrubs: Yes ☐ No ☒ Location (indicate on site map): Size:	
6. ARMORED COVER Yes ☒ No ☐ Material Type: Rip Rap Condition: Good	
7. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
8. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map):	

ITEM	REMARKS
Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒ Location (indicate on site map): Areal Extent:	
9. SLOPE INSTABILITY Yes ☐ No ☒ Slides: Location (indicate on site map): Areal Extent: Probable Slide Interface: Suspected Cause: Exposed Cover Components:	
NTCRA PHASE I – PERIMETER CHANNELS	
1. SETTLEMENT Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. MATERIAL DEGRADATION Yes ☐ No ☒ Material Type: Location (indicate on site map): Areal Extent: Degree of Degradation:	
3. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
4. UNDERCUTTING Yes ☒ No ☐ Location (indicate on site map): See Figure 1 Areal Extent: Depth:	Potential undercutting observed at the northern limit of the West Channel. Recommend monitoring.
5. OBSTRUCTIONS Yes ☐ No ☒ Type: Location (indicate on site map): Areal Extent: Size:	
6. VEGETATIVE GROWTH Yes ☒ No ☐ Type: Grasses, weeds, trees/shrubs Location (indicate on site map): See Figure 1	Pockets of grasses, weeds, and small trees/shrubs were observed throughout the East and West Channels. Recommend monitoring growth.
NTCRA PHASE I – FORMER TP-3 AREA	
1. SETTLEMENT (LOW SPOTS) Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	

ITEM	REMARKS
3. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	
4. VEGETATIVE COVER Yes ☒ No ☐ Grass: Condition: Good Trees/Shrubs: Yes ☐ No ☒ Location (indicate on site map): Size:	
5. ARMORED COVER Yes ☒ No ☐ Material Type: Rip Rap Condition: Good	
6. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
7. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒ Location (indicate on site map): Areal Extent:	
8. SLOPE INSTABILITY Yes ☐ No ☒ Slides: Location (indicate on site map): Areal Extent: Probable Slide Interface: Suspected Cause:	
9. DRAINAGE CULVERTS Yes ☒ No ☐ Material Type: HDPE Condition: Good	
10. ADIT GRATES Yes ☒ No ☐ Material Type: Steel Condition: Good	

ITEM	REMARKS
NTCRA PHASE II - TP-1/TP-2 COVER SYSTEM SURFACE	
1. SETTLEMENT (LOW SPOTS) Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. CRACKS Yes ☐ No ☒ Location (indicate on site map): Length: Width: Depth:	
3. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
4. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	
5. VEGETATIVE COVER Yes ☒ No ☐ Grass: Condition: Good Trees/Shrubs: Yes ☐ No ☒ Location (indicate on site map): Size:	Areas of blown compost blanket applied in the fall of 2013 should be monitored.
6. ARMORED COVER Yes ☒ No ☐ Material Type: Rip Rap Condition: Good	
7. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
8. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒ Location (indicate on site map): Areal Extent:	

ITEM	REMARKS
9. SLOPE INSTABILITY Yes ☐ No ☒ Slides: Location (indicate on site map): Areal Extent: Probable Slide Interface: Suspected Cause: Exposed Cover Components:	
NTCRA PHASE II – TP-1 COVER SYSTEM SIDE SLOPE COLLECTOR SWALES	
1. VEGETATIVE COVER Yes ☒ No ☐ Grass: Condition: Good Trees/Shrubs: Yes ☐ No ☒ Location (indicate on site map): Size:	
2. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
3. FLOW BYPASS SWALES Yes ☐ No ☒ Location (indicate on site map): Description of Problem:	
4. SWALES BREACHED Yes ☐ No ☒ Location (indicate on site map): Description of Problem:	
NTCRA PHASE II – TP-1/TP-2 COVER SYSTEM DRAINAGE FEATURES	
1. SETTLEMENT Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. MATERIAL DEGRADATION Yes ☐ No ☒ Material Type: Location (indicate on site map): Areal Extent: Degree of Degradation:	
3. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
4. UNDERCUTTING Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	

ITEM	REMARKS
5. OBSTRUCTIONS Yes ☐ No ☒ Type: Location (indicate on site map): Areal Extent: Size:	
6. VEGETATIVE GROWTH Yes ☐ No ☒ Type: Location (indicate on site map):	
7. DRAINAGE PIPES Yes ☒ No ☐ Type: HDPE Condition: Good Location (indicate on site map)	
8. RODENT GUARDS Yes ☒ No ☐ Type: Stainless Steel Condition: Good Location (indicate on site map):	
NTCRA PHASE II – TP-1/TP-2 COVER SYSTEM PENETRATIONS	
1. CLEANOUTS Yes ☒ No ☐ Located: Yes ☒ No ☐ Settlement: Yes ☐ No ☒ Functioning: Yes ☒ No ☐ Secure: Yes ☒ No ☐ Condition: Good	
2. MONITORING WELLS Yes ☒ No ☐ Located: Yes ☒ No ☐ Settlement: Yes ☐ No ☒ Functioning: Yes ☒ No ☐ Secure: Yes ☒ No ☐ Condition: Good	
NTCRA PHASE II – WWII AREA	
1. SETTLEMENT (LOW SPOTS) Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. EROSION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
3. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	

ITEM	REMARKS
4. VEGETATION Yes ☒ No ☐ Type: Grass Location (indicate on site map): Size:	
5. ARMORED COVER Yes ☒ No ☐ Material Type: Rip Rap Condition: Good	
6. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
7. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒ Location (indicate on site map): Areal Extent:	
8. SLOPE INSTABILITY Yes ☐ No ☒ Slides: Location (indicate on site map): Areal Extent: Probable Slide Interface: Suspected Cause: Exposed Cover Components:	
NTCRA PHASE II – WWII BUILDING DEBRIS DISPOSAL AREA	
1. SETTLEMENT (LOW SPOTS) Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. EROSION Yes ☒ No ☐ Location (indicate on site map): See Figure 1 Areal Extent: Depth:	Rill/Erosion observed through the approximate center of area. Recommend repairing.
3. HOLES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth: Suspected Cause (rodent or other):	

ITEM	REMARKS
4. VEGETATIVE COVER Yes ☒ No ☐ Type: Grass Condition: Good Trees/Shrubs Yes ☐ No ☒ Location (indicate on site map): Size:	
5. ARMORED COVER Yes ☒ No ☐ Material Type: Rip Rap Condition: Good	
6. BULGES Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Height: Suspected Cause:	
7. WET AREAS Yes ☐ No ☒ Ponding: Location (indicate on site map): Areal Extent: Seeps: Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Estimated Flow Rate: Soft Subgrade: Yes ☐ No ☒ Location (indicate on site map): Areal Extent:	
8. SLOPE INSTABILITY Yes ☒ No ☐ Slides: Minor Location (indicate on site map): See Figure 1 Areal Extent: Probable Slide Interface: Topsoil/Till Suspected Cause: Saturation Exposed Cover Components: None	Approximate 3' x 3' slough observed in the southeast corner of the area. Appears to be between the topsoil and till interfaces. Recommend repairing areas.
NTCRA PHASE II – CONSTRUCTED WETLAND AREAS	
1. SILTATION Yes ☐ No ☒ Location (indicate on site map): Areal Extent: Depth:	
2. VEGETATION Yes ☒ No ☐ Wetlands Grasses: Yes ☒ No ☐ Condition: See Remarks Location (indicate on site map): Wetlands Trees/Shrubs: Yes ☒ No ☐ Condition: Good Location (indicate on site map):	Limited wetland grass growth was observed in constructed wetland areas. Nobis anticipates this is a result of seeding occurring in the fall of 2013. Nobis anticipates germination will occur sometime in June/July 2014.

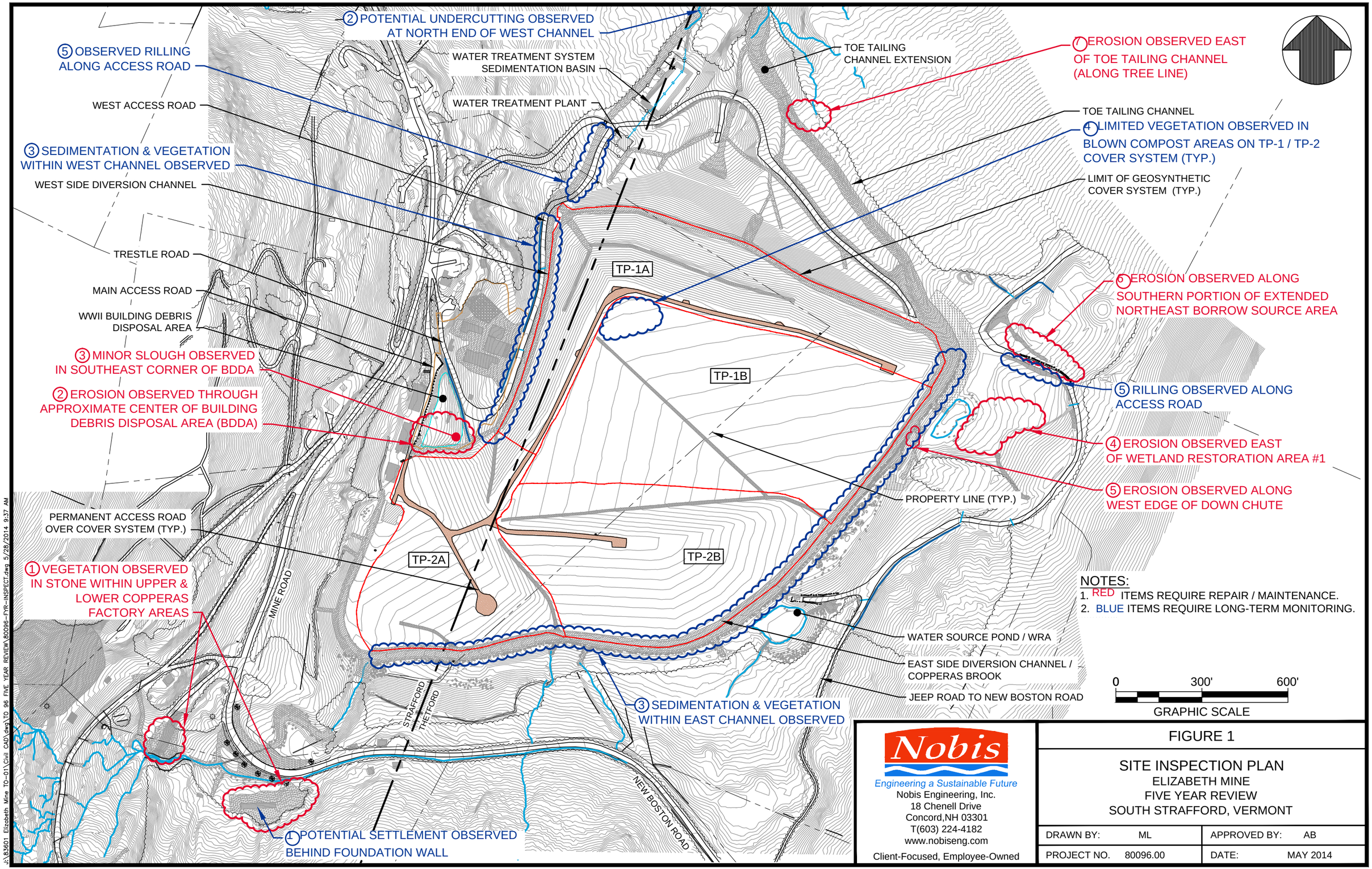
ITEM	REMARKS
3. EROSION Yes ☒ No ☐ Location (indicate on site map): See Figure 1 Areal Extent: Varies Depth: Varies	Areas of erosion were observed to the east and south of WRA#1. Recommend repairing areas.
4. RIP RAP OUTLET AREAS/SWALES Functioning: Yes ☒ No ☐ Condition: Good	
NTCRA PHASE II – BORROW AND SITE RESTORATION AREAS	
1. SILTATION Yes ☒ No ☐ Location (indicate on site map): Areal Extent: Depth:	Siltation observed down gradient of rilling/erosion noted below.
2. VEGETATION Yes ☒ No ☐ Grass: Condition: Good Location (indicate on site map):	
3. EROSION Yes ☒ No ☐ Location (indicate on site map): See Figure 1 Areal Extent: Varies Depth: Varies	Areas of rilling/erosion were observed along the southern limit of the E-NEBSA. Recommend repairing areas. Area of rilling/erosion were observed along the tree-line east of the northern end of the Toe Tailing Channel. Recommend redirecting flow to Toe Tailing Channel.
4. RIP RAP OUTLET AREAS/SWALES Functioning: Yes ☒ No ☐ Condition: Good	
NTCRA PHASE II - SITE ENTRANCES AND ACCESS ROADS	
1. ACCESS RESTRICTION Yes ☒ No ☐ Type: Locked Gates Functioning: Yes ☒ No ☐ Condition: Good	
2. ACCESS ROADS Yes ☒ No ☐ Type: Gravel Condition: Good to Fair (See Remarks) Location (indicate on site map):	Minor rilling was observed along the West Access Road, in the parking area north of the WTS building, and on Jeep Road between the NEBSA and E-NEBSA. This is typical for access roads being utilized for on-going construction activities. Nobis recommends monitoring access roads.
GENERAL	
1. VANDALISM Yes ☐ No ☒ Location (indicate on site map): Description of Damage:	
2. CHANGED SITE CONDITION Yes ☐ No ☒	

Attachment 2

Figure 1 Site Observation Plan

Elizabeth Mine Five Year Review

May 20, 2014



Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 1

SITE INSPECTION PLAN
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY:	ML	APPROVED BY:	AB
PROJECT NO.	80096.00	DATE:	MAY 2014

J:\83601 Elizabeth Mine TO-01\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-INSPECT.dwg 5/28/2014 9:37 AM

Attachment 3

Photo Log

Elizabeth Mine Five Year Review

Fall 2013 – December 4, 2013

Spring 2014 – May 20, 2014

Elizabeth Mine Five Year Review
Site Inspection Photographs – Fall 2013

Photo Number 1 - Southwest facing view of Expanded Northeast Borrow Source Area, Northeast Borrow Source Area, TP-1, and TP-2 in October 2013.

Photo Number 2 - Southeast facing view of the Toe Tailing Channel, Toe Tailing Channel Extension, Decant Spillway Channel, TP-1 Buttress, TP-1, and TP-2 in October 2013.

Photo Number 3 - North facing view of the Mine Road Channel, Former Copperas Factory, TP-2, WWII Area, and TP-1 in October 2013.

Photo Number 4 - South facing view of the restored borrow source areas and Wetland Restoration Areas 1 and 2 in October 2013.

Photo Number 5 - Northwest facing view of the Toe Tailing Channel Extension area in October 2013.

Photo Number 6 - South facing view of the WBOR at the confluence with Copperas Brook in October 2013.

Photo Number 7 - South facing view of the South Mine area in October 2013.

Photo Number 8 - North facing view of the South Mine Pit Lake (partially dewatered) and the South Mine area in October 2013.

Photo Number 9 - West facing view of the TP-4 area and South Open Cut in October 2013.

Photo Number 10 - North facing view of the South Open Cut and Pit Lake in October 2013.

Photo Number 11 - North facing view of the North Open Cut and former TP-3 Area in October 2013.

Photo Number 12 - West facing view of the former TP-3 and Copperas Factory areas in October 2013.

Photo Number 13 - West facing view of WWII Building Debris Disposal Cell and World War II Area in October 2013.

Photo Number 14 - Northeast facing view of the Decant Spillway Channel and Jeep Road Restoration Area in October 2013.

Photo Number 15 - West facing view of the TP-1 and TP-2 cover system area in October 2013.

Photo Number 16 - Northeast facing view of Wetland Restoration Area #1, Northeast Borrow Source Area, and Expanded Northeast Borrow Source Area in October 2013.

Photo Number 17 - East facing view of Wetland Restoration Areas #2 and #3 in October 2013.

Photo Number 18 - Southeast facing view of Wetland Restoration Area #4 in October 2013.

Photo Number 19 - West facing view of Wetland Restoration Area #8 in October 2013.

Photo Number 20 - South facing view of the TP-1 Buttress area in October 2013.

Photo Number 21 – Typical monitoring well installation within the TP-1/TP-2 cover system. Monitoring well secured with lock and covered with 4' tall road barrel in December 2013.

Elizabeth Mine Five Year Review
Site Inspection Photographs - Spring 2014

Photo Number 1 – Southeast facing view of the Lower Copperas Factory Area.

Photo Number 2 – Northwest facing view of the Upper Copperas Factory Area.

Photo Number 3 – North facing view of the area of potential settlement behind the north foundation wall of the Former Lower Copperas Factory Area.

Photo Number 4 - West facing view of the Buttress Area.

Photo Number 5 - East facing view of the Buttress Area.

Photo Number 6 – South facing view of the Buttress Downchute.

Photo Number 7 – West facing view of the Buttress and Toe Tailing Area.

Photo Number 8 – West facing view of the Former TP-3 Area.

Photo Number 9 – West facing view of the Former TP-3 Area.

Photo Number 10 - Southwest facing view of East Channel and TP-2 portion of cover system.

Photo Number 11 – West facing view of East Channel, TP-1 and TP-2 portions of the cover system..

Photo Number 12 - Northwest facing view of the East Channel and northeast portion of the TP-1 cover system.

Photo Number 13 - East facing view of the west slope of the TP-1 cover system.

Photo Number 14 - West facing view of the north slope of the TP-1 cover system.

Photo Number 15 - Northeast facing view of the WWII Area.

Photo Number 16 - North facing view of the WWII Area.

Photo Number 17 - West facing view of the rill/erosion observed in the approximate center of the WWII BDDA earthen cover.

Photo Number 18 - West facing view of the area of sloughing in the southeast corner of the WWII BDDA earthen cover.

Photo Number 19 - West facing view of Wetland Restoration Area #4.

Photo Number 20 - North facing view of the Wetland Restoration #2.

Photo Number 21 – Northeast facing view of the rilling/erosion observed east of WRA#1.

Photo Number 22 – East facing view of erosion occurring along down chute south of WRA#1.

Photo Number 23 – North facing view of restored portion of former Expanded Northeast Borrow Source Area.

Photo Number 24 – West facing view of restored portion of former Expanded Northeast Borrow Source Area.

Photo Number 25 – West facing view of erosion observed along southern portion of Expanded Northeast Borrow Source Area.

Photo Number 26 – East facing view of erosion occurring along tree line east north/east of the Toe Tailing Channel.

Photo Number 27 – Southeast facing view of chain link fence around WTS building.

Photo Number 28 – North facing view chain link fence and sedimentation basin north of the WTS.

Photo Number 29 – South facing view of minor rilling along access road west of WTS building.

APPENDIX E
RISK CALCULATIONS AND SCREENING LEVELS

APPENDIX E – DETAILED EVALUATION OF EXPOSURE ASSUMPTIONS, TOXICITY DATA, RISK METHODS, AND RISK ESTIMATES FOR JUNE 2014 FIVE YEAR REVIEW FOR ELIZABETH MINE

Changes in Exposure Pathways and Assumptions

The 2006 Human Health Risk Assessment evaluated current and future residential exposures to groundwater used as drinking water and to on-site soil; current and future recreational swimming exposures to surface water; current and future recreational wading exposures to sediment and surface water; current and future recreational fishing exposures to sediment and surface water and via ingestion of fish; and current and future subsistence fishing exposures to sediment and surface water and via ingestion of fish. Residential exposures to groundwater used as drinking water included exposure through ingestion of and dermal contact with tapwater from private wells or monitoring wells. Inhalation was not considered in these scenarios because the primary contaminants are metals, which are not volatile. Residential exposures to on-site soil included exposure through ingestion of and dermal contact with surface soil and inhalation of windblown dust. Swimming exposure scenarios included exposure through accidental ingestion of and dermal contact with surface water. Wading and fishing exposure scenarios included exposure through accidental ingestion of and dermal contact with sediment and dermal contact with surface water.

The 2006 HHRA used standard default exposure assumptions to evaluate residential exposures. On February 6, 2014, the EPA issued new guidance for updated standard default exposure factors (EPA OSWER Directive 9200.1-120. *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors*) (EPA, 2014b). In general, the assumptions in this guidance applicable to the 2006 HHRA serve to lower risks and, therefore, the assumptions used in the HHRA are more protective than the current guidance.

The 2006 HHRA used the EPA Region I recommended exposure frequency for residential soil exposures of 150 days per year. More recently EPA Region I supports use of the federal EPA recommended exposure frequency of 350 days per year. This exposure assumption would roughly double the estimated risks from soil exposures, but would still result in insignificant risks for residential soil exposures other than exposures to lead for the contaminants of concern identified in the 2006 HHRA. EPA does not publish default exposure assumptions for recreational exposures to sediment or surface water or for ingestion of fish. Therefore, standard practice involves site-specific selection of the exposure assumptions. The assumptions used are reasonable, and therefore can be considered still valid. Therefore, the changes in exposure

pathways and exposure assumptions since the 2006 HHRA do not impact the protectiveness of the selected remedy for the contaminants of concerned identified in the 2006 HHRA.

A BERA was also performed in support of the ROD (URS, 2006b). The ecological risk assessment evaluated the following pathways:

- effects on periphyton from direct contact with sediment and surface water;
- effects on benthic macroinvertebrates from ingestion and direct contact with sediment and surface water;
- effects on fish from ingestion and direct contact with sediment and surface water;
- effects on terrestrial plants from direct contact with soil or sediment;
- effects on the soil community from ingestion and direct contact with soil or sediment;
- effects on amphibians from direct contact with surface water and soil or sediment; and
- effects on birds and mammals from ingestion of soil or sediment, surface water, and food.

Table E-1 presents the assessment and measurement endpoints used in the BERA.

Table E-1
Assessment and Measurement Endpoints
Elizabeth Mine Superfund Site
Strafford, Vermont

Assessment Endpoint	Measurement Endpoint
Aquatic Ecosystem	
Periphyton Community	Determine the concentrations of Site-related metals in Site surface water.
	Compare concentrations of Site-related metals measured in Site surface water with hardness adjusted chronic NRWQC.
	Compare periphyton community composition and metal uptake in periphyton inhabiting Site waterways (based upon a 2002 study by Robert Genter, Johnson State College, VT).
Benthic Macroinvertebrate Community	Determine the concentrations of Site-related metals in Site surface water and sediment.
	Determine whether the simultaneously extracted metals to acid volatile sulfides (SEM:AVS) ratio is greater than one.
	Compare concentrations of Site-related metals measured in Site surface water to hardness adjusted chronic NRWQC.
	Compare concentrations of Site-related metals measured in Site sediment to Probable Effects Concentrations (PECs) for sediment.
	Using sediment toxicity bioassays, determine which sediments in and adjacent to the Site have elevated toxicity to surrogates for resident macroinvertebrate species compared to sediments in reference areas.
	Determine on the basis of benthic macroinvertebrate sampling and analysis where benthic communities inhabiting sediments in waterbodies in and adjacent to the Site are impaired when compared to benthic communities inhabiting reference area sediment or to water quality metrics used by the State of Vermont.
Fish Community	Determine the concentrations of Site-related metals in Site surface water.
	Compare concentrations of Site-related metals measured in Site surface water to hardness adjusted chronic NRWQC.
	Using surface water bioassays, determine where surface waters in and adjacent to the Site have elevated toxicity to surrogates for resident fish species compared to surface water in reference areas.
	Compare fish community structure in Site streams to Vermont Biological Standards.
Omnivorous Aquatic Bird Community	Determine the concentrations of Site-related metals in Site surface water and sediment.
	Through food chain models for the mallard using sediment to benthic invertebrate bioaccumulation factors, estimate the ingestion of Site-related metals and compare it to toxicological reference values (TRVs) associated with adverse effects, including reproductive impairment.
Terrestrial Ecosystem	
Terrestrial Plant Community	Evaluate the health of the herbaceous and shrub layer community based upon field studies.

Assessment Endpoint	Measurement Endpoint
	Evaluate the health of the canopy layer adjacent to impacted areas using aerial photography and indicators of community impairment.
Terrestrial and Wetland Soil Community	Determine the concentrations of Site-related metals in Site soils.
	Compare concentrations of metals measured in Site soils with benchmarks that have been associated with adverse effects to representative soil invertebrates.
Wetland Amphibian Community	Determine the concentrations of Site-related metals in Site surface water.
	Compare concentrations of Site-related metals measured in Site surface water with hardness adjusted chronic NRWQC.
	Evaluate the health of the woodland amphibian community using a call survey.
Herbivorous Birds	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the song sparrow using soil to vegetation bioaccumulation factors or representative tissue concentrations in plants, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Omnivorous Birds	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the red-winged blackbird using soil to vegetation and soil to invertebrate bioaccumulation factors, or representative tissue concentrations in plants and invertebrates, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Insectivorous Birds	Determine the concentrations of Site-related metals in Site soils, sediments, and surface water.
	Through food chain models for the tree swallow using sediment to emergent insect bioaccumulation factors, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Invertivorous Birds	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the American robin using soil to plant and soil to invertebrate bioaccumulation factors, or representative tissue concentrations in plants and invertebrates, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.

Assessment Endpoint	Measurement Endpoint
Piscivorous Birds	Determine the concentrations of Site-related metals in Site sediments and surface water.
	Determine the concentrations of Site-related metals in fish caught in the tributaries on the site and in the WBOR.
	Through food chain models for the belted kingfisher and osprey using surface water to fish bioaccumulation factors as well as actual levels of Site-related metals measured in fish, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Carnivorous Birds	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the kestrel using soil to invertebrate and soil to small mammal bioaccumulation factors, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Herbivorous Mammals	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the meadow vole and white-tailed deer using soil to plant bioaccumulation factors, or representative tissue concentrations in plants, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Omnivorous Mammals	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the white-footed mouse using soil to plant and soil to invertebrate bioaccumulation factors, or representative tissue concentrations in plants and invertebrates, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Insectivorous Mammals	Determine the concentrations of Site-related metals in Site soils, sediments, and surface water.
	Through food chain models for the small-footed bat using sediment to emergent insect bioaccumulation factors, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Invertivorous Mammals	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the short-tailed shrew using soil to invertebrate bioaccumulation factors, or representative tissue concentrations in invertebrates, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.

Assessment Endpoint	Measurement Endpoint
Piscivorous Mammals	Determine the concentrations of Site-related metals in Site soils, sediments, and surface water.
	Determine the concentrations of Site-related metals in fish caught in the tributaries on the site and in the WBOR.
	Through food chain models for the mink using surface water to fish bioaccumulation factors as well as actual levels of Site-related metals measured in fish, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.
Carnivorous Mammals	Determine the concentrations of Site-related metals in Site soils and surface water.
	Through food chain models for the bobcat using soil to mammal bioaccumulation factors, estimate the ingestion of Site-related metals and compare it to TRVs associated with adverse effects, including reproductive impairment.

Changes in Toxicity Data and Other Contaminant Characteristics: HHRA

Toxicity values used for human health risk assessments are updated on an on-going basis by EPA. The majority of the toxicity data used at the time of the HHRA and the remedy selection (2006) is unchanged and still valid. Current applicable dermal RfDs for cadmium and manganese and both oral and dermal RfDs for thallium differ from the values used in the 2006 HHRA. The 2006 HHRA used the toxicity data for vanadium pentoxide for evaluating vanadium. Alternatively, the toxicity information for the less toxic vanadium sulfate could be used.

Hazard quotients were not calculated for cobalt, copper, and iron as part of the 2006 HHRA because of a lack of IRIS approved toxicity values. Although toxicity values for cobalt, copper, and iron are still not available in IRIS, toxicity data are currently available for copper, cobalt, and iron from alternate sources, including Provisional Peer Reviewed Toxicity Values (PPRTVs) (EPA, 2006 and 2008) and the 1997 Health Effects Assessment Summary Tables (HEAST) (EPA, 1997). The inclusion of these toxicity values for cobalt, copper, and iron would increase overall site non-cancer health hazards. In most areas of the Site, exposures to media containing these metals have been reduced through remedial actions or institutional controls. However, contamination remains present in other areas of the Site not subject to cleanup actions. As a result, exposure to soil containing cobalt, copper, and iron is still possible. For this reason, additional soil samples were collected in 2013 from eight areas of concern (Furnace Flats South, Furnace Flats North, Sargent Brook Smelter, Tyson Shaft, WWII Area, South Mine, South Open Cut, and the Copperas Factories).

Tables E-2 and E-3 below present ingestion and dermal cancer slope factors (CSFs) and Reference Doses (RfDs) used in the HHRA for the COCs identified in the 2006 ROD, as well as three metals (copper, cobalt, and iron), for which quantitative risk estimates were not developed in the 2006 HHRA because of a lack of toxicity data. Current applicable toxicity values are provided for comparison purposes, along with the impacts to risk estimates. Current oral CSFs and RfDs were obtained from EPA's Integrated Risk Information System database (IRIS), unless otherwise noted (EPA, 2014a). Narrative descriptors regarding the likelihood that a chemical is a human carcinogen are also provided in IRIS. Descriptors for the COCs have not changed since the 2006 HHRA.

Table E-2
Summary of Ingestion and Dermal Cancer Toxicity Factor Changes
Elizabeth Mine Superfund Site
Strafford, Vermont

Chemical	Oral Cancer Slope Factor in 2006 HHRA	Current Applicable Oral Cancer Slope Factor	Impacts to Risk	Dermal Cancer Slope Factor in 2006 HHRA	Current Applicable Dermal Cancer Slope Factor	Impacts to Risk
	$(mg/kg\text{-}day)^{-1}$	$(mg/kg\text{-}day)^{-1}$		$(mg/kg\text{-}day)^{-1}$	$(mg/kg\text{-}day)^{-1}$	
Arsenic	1.5 E+0	1.5 E+0	NC	1.5 E+0	1.5 E+0	NC
Cobalt	NE	NA	NC	NE	NA	NC
Copper	NE	NA	NC	NE	NA	NC
Iron	NE	NA	NC	NE	NA	NC

Notes:
NE – Not evaluated in the HHRA.
NA - Not currently available
NC – No change.

Table E-3
Summary of Ingestion and Dermal Non-Cancer Toxicity Factor Changes
Elizabeth Mine Superfund Site
Strafford, Vermont

Chemical	Oral Reference Dose in 2006 HHRA	Current Applicable Oral Reference Dose	Impacts to Risk	Dermal Reference Dose in 2006 HHRA	Current Applicable Dermal Reference Dose	Impacts to Risk
	mg/kg-day	mg/kg-day		mg/kg-day	mg/kg-day	
Arsenic	3.0E-4	3.0E-4	NC	3.0E-4	3.0E-4	NC
Barium	2.0E-1	2.0E-1	NC	1.4E-2	1.4E-2	NC
Cadmium[1]	5.0E-4	5.0E-4	NC	1.25E-5	2.5E-5	decrease
Cobalt	NE	3.0E-4 P	increase	NE	3.0E-4 P	NC[6]
Copper	NE	4.0E-2 H	increase	NE	4.0E-2 H	NC[6]
Iron	NE	7.0E-1 P	increase	NE	7.0E-1 P	NC[6]
Lead	NE	NA	NC	NE	NA	NC
Manganese[2]	2.4E-2	2.4E-2	NC	5.6E-3	9.6E-4	NC[6]
Nickel	2.0E-2	2.0E-2	NC	8.0E-4	8.0E-4	NC
Thallium[3]	8.0E-5	2.0E-5	increase	8.0E-5	2.0E-5	NC[6]
Vanadium[4]	9.0E-3	9.0E-3	NC	2.34E-4	2.34E-4	NC
Vanadium[5]	NE	2.0E-2	decrease	NE	5.2E-4	NC[6]
Zinc	3.0E-1	3.0E-1	NC	3.0E-1	3.0E-1	NC

Notes:
NE – Not evaluated in the HHRA.
NA - Not currently available.
NC – No change.
P - The Provisional Peer Reviewed Toxicity Values (PPRTVs) derived by EPA's Superfund Health Risk Technical Support Center (STSC) for the EPA Superfund program.
H – Health Effects Assessment Summary Tables (HEAST) value (1997).
[1] Water
[2] Non-Diet
[3] Thallium Sulfate, source = PPRTV appendix
[4] Vanadium Pentoxide
[5] Vanadium Sulfate
[6] Although there is a change in the dermal RfD, because there is no available dermal absorption factor, risks cannot be quantified for the dermal exposure route.

Tables E-4 and E-5 below present inhalation unit risk factors (URFs) and Reference Concentrations (RfCs) used in the HHRA for the contaminants of concern identified in the 2006 ROD, as well as three metals (copper, cobalt, and iron), for which quantitative risk estimates were not developed in the 2006 HHRA because of a lack of toxicity data. Current applicable toxicity values are provided for comparison purposes, along with the impacts to risk estimates. Current URFs and RfCs were obtained from EPA's IRIS, unless otherwise noted (EPA, 2014a).

Table E-4
Summary of Inhalation Cancer Toxicity Factor Changes
Elizabeth Mine Superfund Site
Strafford, Vermont

Chemical	Inhalation Unit Risk Factor in 2006 HHRA	Current Applicable Inhalation Unit Risk Factor	Impacts on Risk
	$(\mu g/m^3)^{-1}$	$(\mu g/m^3)^{-1}$	
Arsenic	4.3E-3	4.3E-3	NC
Cobalt	NE	9.0E-3P	increase
Copper	NE	NA	NC
Iron	NE	NA	NC

Notes:
NE – Not evaluated in the HHRA.
NA - Not currently available.
NC – No change.
Current inhalation unit risk factors were obtained from EPA's Integrated Risks Information System database (IRIS), 2014 unless otherwise noted.
P - The Provisional Peer Reviewed Toxicity Values (PPRTVs) derived by EPA's Superfund Health Risk Technical Support Center (STSC) for the EPA Superfund program.

Table E-5
Summary of Inhalation Non-Cancer Toxicity Factor Changes
Elizabeth Mine Superfund Site
Strafford, Vermont

Chemical	Inhalation Reference Concentration in 2006 HHRA	Current Applicable Inhalation Reference Concentration	Impacts on Risk
	µg/m^3	µg/m^3	
Arsenic	NE	1.5E-2 C	increase
Barium	NE	5.4E-1 H	increase
Beryllium	2E-2	2.0E-02	NC
Cadmium[1]	NE	1.0E-2 A	increase
Cobalt	NE	6.0E-3 P	increase
Copper	NE	NA	NC
Iron	NE	NA	NC
Lead	NE	NA	NC
Manganese	5E-2	5E-2	NC
Nickel	NE	9.0E-2 A	increase
Thallium	NE	NA	NC
Vanadium[2]	NE	1.0E-01 A	increase
Zinc	NE	NA	NC

Notes:
NE – Not evaluated in the HHRA.
NC – No change.
Current inhalation reference concentrations were obtained from EPA's Integrated Risks Information System database (IRIS), 2014 unless otherwise noted.
P – The Provisional Peer Reviewed Toxicity Values (PPRTVs) derived by EPA's Superfund Health Risk Technical Support Center (STSC) for the EPA Superfund program.
H – Health Effects Assessment Summary Tables (HEAST) value (1997).
A – Agency for Toxic Substances and Disease Registry (ATSDR).
C – California Environmental Protection Agency.
[1] – water

[2] – Vanadium and compounds

Toxicity values used for human health risk assessments are updated on an on-going basis by EPA. The majority of the toxicity data used at the time of the HHRA and the remedy selection (2006) is unchanged and still valid. As shown on Table E-2 above, current applicable dermal RfDs for cadmium and manganese and both oral and dermal RfDs for thallium differ from the values used in the 2006 HHRA. The 2006 HHRA used the toxicity data for vanadium pentoxide for evaluating vanadium. Alternatively, the toxicity information for the less toxic vanadium sulfate could be used.

Hazard quotients were not calculated for cobalt, copper, and iron as part of the 2006 HHRA because of a lack of IRIS approved toxicity values. Although toxicity values for cobalt, copper, and iron are still not available in IRIS, toxicity data are currently available for copper, cobalt, and iron from alternate sources, including Provisional Peer Reviewed Toxicity Values (PPRTVs) (EPA, 2006 and 2008) and the 1997 Health Effects Assessment Summary Tables (HEAST) (EPA, 1997). The inclusion of these toxicity values for cobalt, copper, and iron would increase overall site non-cancer health hazards. In most areas of the Site, exposures to media containing these metals have been reduced through remedial actions or institutional controls. However, contamination remains present in other areas of the Site not subject to cleanup actions. As a result, exposure to soil containing cobalt, copper, and iron is still possible.

To address the concern that risks from cobalt, copper, and iron in soil were not previously estimated in these areas or addressed under the Non-Time Critical Response Action (NTCRA), EPA collected additional surface soil samples in 2013 at each of the following eight areas: South Mine; South Open Cut; Tyson Shaft; Sargent Brook Smelter; WWII Infrastructure Area; Copperas Factories; Furnace Flats North; and Furnace Flats South. The analytical results of this sampling indicate the presence of elevated concentrations of cobalt, copper, and iron in all eight study areas; as well as arsenic at elevated concentrations at the Tyson Shaft area and lead above residential screening levels at the Copperas Factories and at Furnace Flats South. Data from the 2013 samples were evaluated using a streamlined approach to estimate potential cancer risks and non-cancer health hazards from exposures to cobalt, copper, and iron. Arsenic data from the 2013 samples collected from the Tyson Shaft area were also evaluated using the streamlined approach as part of this review. Lead data from the 2013 samples were evaluated using the Integrated Exposure Uptake Biokinetic Model (IEUBK) for lead in children (EPA, 1994 and 2007a) and the Technical Review Workgroup (TRW) Adult Lead Model (ALM) (EPA, 2003).

The data included 25 to 35 surface soil samples in each area, including several field or laboratory duplicate pairs (Five Year Review, Tables 6-1 through 6-6). For the purposes of this streamlined risk assessment, duplicate pairs were averaged and treated as a single sample. Conservative estimates of the mean concentrations were used as the exposure point concentrations (EPCs) for each area. The EPC is generally defined as the 95 percent upper confidence limit on the mean (UCL) and is calculated using EPA's ProUCL Version 4.00.05 software (EPA, 2013). ProUCL calculates 95 percent UCLs on the mean using 15 different computation methods and provides recommendations on which UCL to use depending upon distributional assumptions and the skewness (as represented by the standard deviation of the data). Table E-6 (Summary Statistics for 2013 Soil Data) presents a statistical summary of the data. EPCs and the selected statistic used in the risk evaluation are presented in Tables E-7A and E-7B (Soil Risk Summary).

The evaluation considered residential exposures (under potential future land use scenarios) and trespasser exposures (i.e. current conditions) via incidental ingestion of soils, dermal contact with soils, and inhalation of dust during play or work outdoors. Because dermal absorption factors are not available for cobalt, copper, and iron, exposures via dermal contact were not quantified for these metals.

For the non-cancer residential evaluation, the young child is the receptor of greatest concern and was therefore selected for evaluation. For the trespasser evaluation, an adolescent was selected for evaluation. For cancer risks, a lifetime residential exposure and adolescent trespasser were evaluated. In general the exposure assumptions used in the 2006 HHRA for future residential exposures were also used in this evaluation, except that the exposure frequency was increased from 150 days per year to 350 days per year, the currently recommended residential exposure frequency. Other exposure assumptions were revised as needed to reflect updated standard default exposure factors per EPA Guidance dated February 6, 2014 (EPA OSWER Directive 9200.1-120. *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors*) (EPA, 2014b). Exposure assumptions for adolescent trespasser for this evaluation were 78 days per year, which is considered reasonable based on the fact that winter conditions will limit exposure to soil at the Site.

Current applicable toxicity values for arsenic, cobalt, copper, and iron shown in Tables E-2 through E-5 were used in conjunction with the EPCs and these exposure assumptions to estimate:

- future non-cancer health hazards for residential child exposures and future cancer risks for lifetime residential exposures to these four metals (Table E-7A); and
- current conditions non-cancer and cancer health hazards for an adolescent trespasser to these four metals (Table E-7B).

The results presented in Table E-7A indicate non-cancer health hazards exceeding a hazard index of 1.0 may be present in each of eight areas sampled for future residential use scenarios. Individual hazard indices for cobalt, copper, and iron each exceed 1.0 in at least three of the eight areas. Individual hazard index for arsenic exceeds the target of 1.0 at the Tyson Shaft area. Therefore, additional assessment of the potential threat to human health for each of these four metals should be performed at the Site. The evaluation of arsenic at the Tyson Shaft area indicates cancer risks at Tyson Shaft are slightly less than $1x10^{-4}$.

The results presented in Table E-7B indicate that under the current land use conditions, there are no non-cancer results exceeding a hazard index of 1.0 or cancer risk greater than $1x10^{-4}$ in any of eight areas sampled in 2013.

Risk-based soil screening concentrations resulting in a Hazard Index (HI) equal to 1 were back-calculated based on the 2006 HHRA exposure assumptions. These results are included as Table E-8.

In addition to the evaluation of potential health hazards and cancer risks from exposures to cobalt, copper, iron, and arsenic in soil, this streamlined risk assessment also provides an evaluation of lead concentrations in surface soil samples collected from the eight areas. Lead was identified as a contaminant of potential concern (COPC) at locations where the maximum lead concentration in surface soil samples exceeded the COPC selection criteria of 400 mg/kg. This concentration is the current EPA screening level for lead in residential soils and is considered protective of potential exposures to lead in soil by the most sensitive receptors. Maximum lead concentrations exceeded 400 mg/kg at the Copperas Factories and at Furnace Flats South. Lead was not detected at concentrations exceeding the COPC selection criteria of 400 mg/kg at the remaining six locations sampled, and therefore was not considered a COPC for those locations.

Potential future residential child exposures to lead in surface soil at the Copperas Factories and at Furnace Flats South were evaluated using the IEUBK for lead in children (EPA, 1994 and 2007a). The IEUBK Model is designed to estimate blood levels of lead in children (under 7 years of age) based on either default or site-specific input values for air, drinking water, diet, dust, and soil exposure. Blood lead concentration is the most widely used index of internal lead body burdens associated with potential adverse health effects of lead. Concentrations (i.e., blood lead levels) calculated using the IEUBK Model are compared to the established blood lead level of concern of 10 µg/dL. An additional step in the process estimates the probability that blood lead levels will exceed 10 µg/dL. The EPA risk reduction goal for contaminated sites is to limit the probability of a child's blood lead concentration exceeding 10 µg/dL to 5 percent or less. Average lead concentrations in surface soil were used as the input concentrations for the IEUBK model. The input parameters used, the results of the lead models, and estimated blood lead levels are presented in Charts E-1 and E-2.

EPA's IEUBK Model estimated that the geometric mean blood lead concentration among future residential children exposed to surface soil at Furnace Flats South would be 1.5 µg/dL (Chart E-1). This estimate is less than EPA's established level of concern of 10 µg/dL. The probability that the child's blood lead concentration exceeds 10 µg/dL is 0.003 percent for future residential children. EPA's target probability is 5 percent or less. In conclusion, exposures to lead in surface soil at Furnace Flats South do not exceed EPA's target level of

concern.

EPA's IEUBK Model estimated that the geometric mean blood lead concentration among future residential children exposed to surface soil at the Copperas Factories would be 7.45 µg/dL (Chart E-2). This estimate is less than EPA's established level of concern of 10 µg/dL; however, the probability that the child's blood lead concentration exceeds 10 µg/dL is 26.6 percent for future residential children. EPA's target probability is 5 percent or less. In conclusion, potential future residential exposures to lead in surface soil at the Copperas Factories exceed EPA's target level of concern using the default assumption from the 2006 HHRA. As discussed below, additional site specific testing to assess the bioavailability of the lead found at the Site was performed in 2014 to provide a more site specific assessment of the potential threat from exposure to the soil at the Copperas Factories and other areas of the Site.

Non-residential exposures to lead in surface soil at the Copperas Factories were evaluated using the Technical Review Workgroup (TRW) Adult Lead Model (ALM) (EPA, 2003). The ALM slope factor approach focuses on estimating fetal blood lead concentrations in women exposed to lead-contaminated soil in non-residential scenarios. The ALM estimates the 95th percentile blood lead concentration among fetuses born to women having site exposures. In June 2009, the TRW updated the baseline blood lead concentration and the geometric standard deviation parameters in the ALM using data from the National Health and Nutrition Examination Survey (NHANES) surveys that were conducted from 1999-2004 (EPA, 2009b). These values are updates to the parameters based on Phase 1 and 2 of NHANES III that were provided by the TRW in 2003. The TRW recommends that the updated parameter values be used for all applications of the ALM where current and future use scenarios are addressed (EPA, 2009b). Both the 2003 and 2009 parameters are provided in the ALM spreadsheet for comparative purposes.

Concentrations (i.e., blood lead levels) calculated using this approach are compared to the established blood lead level of concern of 10 µg/dL. An additional step in the process estimates the probability that blood lead levels will exceed 10 µg/dL. EPA's risk reduction goal for lead is that individuals exposed would have no more than a 5 percent probability of exceeding the level of concern of 10 µg/dL. Average lead concentrations in surface soil at the Copperas Factories were used as the input concentration for the ALM model. The input parameters used, the results of the lead model, and estimated blood lead levels are presented in Chart E-3.

The ALM slope-factor approach estimated that the 95th percentile blood lead concentration among fetuses born to women industrial/commercial workers exposed to surface soil at the Copperas Factories would be 4.6 µg/dL (Chart E-3). This estimate is less than EPA's established level of concern of 10 µg/dL. The probability that the fetal blood lead concentration exceeds 10 µg/dL is 0.2 percent for the future

industrial/commercial workers exposed to surface soil. EPA's target probability is 5 percent or less. The results of the ALM indicate that adverse effects are not anticipated for fetuses of future pregnant workers exposed to lead in surface soil at the Copperas Factories. Because evaluation of this scenario indicates no adverse effects to workers, it can be assumed that there is no adverse effects to less frequent non-residential exposures, such as trespassers.

Results of the ALM model indicate that non-residential exposures to lead in surface soil at the Copperas Factories do not exceed EPA's target level of concern.

These results indicate that non-cancer health hazards may be present for future residential use scenarios in each of eight areas sampled and potential future residential exposures to lead at the Copperas Factories may exceed target levels.

Risk calculations for copper, cobalt, iron, and arsenic performed for the current conditions using an adolescent trespasser exposure scenario and a lead evaluation of non-residential exposures demonstrated that the current land use conditions do not pose an unacceptable risk from soil exposures to copper, cobalt, iron, arsenic, and lead.

The soil risk calculations for arsenic and the IEUBK and ALM models for lead assume default relative bioavailability factors of 60%. However, the bioavailability of arsenic and lead in mine wastes may be less than these default values. The soil risk calculations for cobalt, copper, and iron did not include a relative bioavailability factor. Therefore, risk calculations for each of the soil metals may be overestimated.

A sequential extraction study of mine waste at the Elizabeth Mine and other mine sites (USGS (2007) suggests that metals found in many of the mine waste may not be readily leached which could limit bioavailability.
In 2014, the EPA performed in vitro bioassessibility assays (IVBA) to evaluate the likely bioavailability of arsenic, cobalt, copper, iron, and lead found at the eight areas sampled in 2013. The results of this study are presented in Appendix F. The IVBA method has been developed to measure the extent of lead solublization in simulated gastrointestinal fluids and provide an alternative to in vivo relative bioavailability studies. To date, the IVBA has not been validated for arsenic, cobalt, copper, and iron against an appropriate in vivo animal model as required by USEPA guidance (USEPA 2007b). The arsenic, cobalt, copper, and iron IVBA values provided in Appendix F were reported as methods development research values only. Results indicated that the bioassessibility of soil metals at the Site are less than 100%. Because the methods used are still in a development stage for arsenic, cobalt, copper, and iron; no changes to the risk calculations for these metals were applied. The IVBA method has been accepted as a valid method for determining relative bioavailability

of lead in soils. Comparison of results from in vivo relative bioavailability (RBA) studies in swine and IVBA investigations has established a correlation between IVBA and RBA results and validity of the IVBA method for evaluating site-specific lead RBA in soil (EPA, 2007b and 2009c). The following regression equation is used to convert IVBA results to RBA:

$$\%RBA = (0.878 \times \%IVBA) - 0.0278$$

The lead models use absolute bioavailability factors, rather than relative bioavailability factors. The two are related as follows (EPA, 2007b):

absolute soil bioavailability factor = %RBA x absolute water bioavailability factor/100%

where: absolute water bioavailability factor for children = 50%

The results of the site-specific IVBA evaluation of lead in soils at the Copperas Factory (IVBA=15.2%) in combination with the above equations were used to modify the bioavailability inputs to the IEUBK model (resulting absolute soil bioavailability = 6.7%) used to evaluate future residential child exposures to lead at the Copperas Factory. Chart E-4 presents the modified results.

EPA's IEUBK Model estimated that the geometric mean blood lead concentration among future residential children exposed to surface soil at the Copperas Factories would be 2.46 µg/dL (Chart E-4). This estimate is less than EPA's established level of concern of 10 µg/dL. The probability that the child's blood lead concentration exceeds 10 µg/dL is 0.14 percent for future residential children. EPA's target probability is 5 percent or less. In conclusion, potential future residential exposures to lead in surface soil at the Copperas Factories using the site-specific IVBA results do not exceed EPA's target level of concern.

Recent groundwater monitoring results for cobalt, copper, iron, and manganese results were compared to tapwater RSLs (HI = 1). These results indicate that these metals may pose non-cancer health hazards in groundwater both within the WMA as well as within three bedrock wells located outside the WMA.

To evaluate the potential impacts of cobalt, copper, and iron in sediment and surface water, risk-based screening concentrations resulting in a Hazard Index (HI) equal to 1 were back-calculated based on the 2006 HHRA exposure assumptions (child wader and child swimmer). These results are included in Tables E-9 and E-10. A comparison of exposure point average concentrations for recent surface water and RI sediment sampling results to the calculated screening levels did not demonstrate exceedances of the screening levels.

Changes in Toxicity and Other Contaminant Characteristics: BERA

For the BERA, effects data that were used to evaluate ecological risks resulting from chemical exposures consisted of three types: (1) literature-derived or site-specific single-chemical toxicity data, (2) site-specific

ambient media toxicity tests (e.g. sediment toxicity tests), and (3) site-specific field surveys. The site-specific toxicity data/tests and field studies have not been updated; therefore the potential effects concentrations derived from these studies remain unchanged. However, updates to literature-derived toxicity values are considered as noted below.

Avian and mammalian TRVs used in the BERA were selected from studies evaluating chronic effects on measurement endpoints that could have adverse effects on reproduction, development, growth, or, if no more relevant studies were available, mortality. The methodology for the derivation of the TRVs is still valid, and the only EPA TRVs developed after the development of the TRVs used in the BERA are Ecological Soil Screening Level (Eco-SSL) values. The Eco-SSL values are meant to be screening values and are generally lower than those used in risk assessments for the development of modeling-based hazard quotients. Therefore, when the BERA avian and mammalian TRVs were compared with Eco-SSL TRVs released after the BERA document, only Eco-SSL TRVs substantially higher than the BERA TRVs are a concern as that would indicate that risks were likely overestimated. The only case of this was the avian values for zinc where the No Observed Adverse Effect Level (NOAEL) used in the BERA was 14.5 mg/kg-day versus the Eco-SSL TRV of 66.1 mg/kg-day. However, all of the results for the avian community endpoints based on food chain modeling indicated that "It is unlikely that there are any significant adverse alterations to populations…" indicating that avian risks from zinc do not need to be revisited.

No observed effects concentrations (NOECs) for soil invertebrates were derived. The methodology for the derivation of the NOECs is still valid, and the only EPA soil invertebrate toxicity values suggested after the development of the NOECs used in the BERA are Eco-SSL values. As noted previously, the Eco-SSL values are meant to be screening values and are generally lower than those used in risk assessments for the development of modeling-based hazard quotients. Therefore, when the BERA soil invertebrate NOECs were compared with Eco-SSL TRVs released after the BERA document, only Eco-SSL TRVs substantially higher than the BERA TRVs are a concern as that would indicate that risks were likely overestimated. No such cases were found, indicating that soil invertebrate risks do not need to be revisited.

Toxicity values for periphyton, amphibians, fish, and benthic epifauna were from EPA's *National Recommended Water Quality Criteria: 2002*, which has been updated since that time (EPA, 2014c). Contaminants of potential ecological concern (COPECs)/stressors with updated toxicity values, as well as surface water concentrations and the overall impacts to risk are noted in Table E-11 below.

Table E-11
Summary of NRWQC Freshwater Chronic Value Changes Potentially Affecting Estimated Risks to Periphyton, Benthic Epifauna, Fish, and Amphibian Communities
Elizabeth Mine Superfund Site
Strafford, Vermont

Chemical	NRWQC in 2006 BERA	2014 NRWQC	Site Concentrations	Overall Impacts to Risk
Selenium (µg/L)[a]	NA	5.0[b]	ND[c] Sargent Brook, One detect = 2.2 Copperas Brook, UCL_{95} = 7.3 Mean = 4.3 Upper Copperas Brook, UCL_{95} = 4.7 Mean = 3.1	No overall impact to risk. HQs <1 with the exception of the UCL_{95}-based HQ in Copperas Brook (HQ=1.5).
pH (SU)	None	6.5-9	3.9-7.52	No overall impact to risk. SW-700 through SW-705 have lower pHs than the NRWQC range. SW-706 through SW-708 within the range. However, pH is within the "benchmark for amphibians" (source not identified) used in the BERA.

[a]Dissolved concentrations.
[b]Note that EPA is in the process of updating this criterion to reflect the latest scientific information. As a result, this criterion might change substantially in the near future.
[c]Lord Brook, WBOR Upstream of Copperas Brook, WBOR downstream of Mixing Zone, Ompompanoosuc River, Connecticut River Confluence Area, WBOR Mixing Zone, and South Mine/South Cut Drainage to Lord Brook.
µg/L = Micrograms/liter.
NA = Not available.
ND = Not detected.
SU = Standard units.

Toxicity values for benthic infauna were obtained from MacDonald, D.D., Ingersoll, C.G., Berger, T.A. (2000) Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems: *Archives of Environmental Contamination and Toxicology* 39(1):20-31. This reference remains the most recommended one for selecting freshwater sediment benchmarks for the COPECs; therefore risks to the benthic infauna do not need to be revisited.

Although there have been changes in surface water toxicity data since the time of the 2006 BERA as described above, because the selected remedy reduces exposures through removal of contaminated

sediments and restoration of wetlands, these changes do not impact the protectiveness of the selected remedy.

Changes in Risk Assessment Methods

Since the HHRA and BERA were completed in 2006, EPA has not issued pertinent human health and ecological risk guidance documents that would significantly change the methods used to develop the human health and ecological risk estimates that served as the basis for actions selected in the 2006 ROD. The HHRA used the IEUBK version from December 2005 to evaluate child exposures to lead in soil, groundwater, and fish tissue. The model has been revised and reissued since then, most recently in 2010 (IEUBKwin v1.1 build 11); however, changes in the software do not impact the model results. In 2009, EPA finalized the *Risk Assessment Guidance for Superfund (RAGS): Volume I Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)* (EPA, 2009a) recommending the use of inhalation unit risk factors and reference concentrations in conjunction with average daily concentration estimates for evaluating inhalation exposures. This guidance impacts the methods for calculating risks from potential exposures via inhalation. However, risks from inhalation did not serve as the basis of action at this Site.

New/Emerging Contaminants and/or Contaminant Sources

No new contaminants or contaminant sources have been identified since the 2006 ROD. However, as a result of new toxicity factors for cobalt, copper, and iron, risks associated with these metals have been further evaluated as described previously in this report.

References:

MacDonald, D.D., Ingersoll, C.G., Berger, T.A. (2000) Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems: *Archives of Environmental Contamination and Toxicology* 39(1):20-31.

United States Environmental Protection Agency (EPA), 1994. Guidance Manual for the Integrated Exposure Uptake Biokinetic Model for Lead in Children. OSWER #9285.7-15-1. Office of Emergency and Remedial Response, Washington, D.C. February. http://www.epa.gov/superfund/health/contaminants/lead/products/toc.pdf.

United States Environmental Protection Agency (EPA), 1997. Health Effects Assessment Summary Tables; FY 1997 Update, EPA 540/R-97-036, National Center for Environmental Assessment, Cincinnati, Ohio. July.

United States Environmental Protection Agency (EPA), 2003. Recommendations of the Technical Review Workgroup for Lead for an Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. EPA. Washington, DC. EPA-540-R-03-001. January. http://www.epa.gov/superfund/health/contaminants/lead/products/adultpb.pdf].

United States Environmental Protection Agency (EPA). 2006. Provisional Peer Reviewed Toxicity Values for Iron (CASRN 7439-89-6) and Compounds. Derivation of Chronic and Subchronic Oral RfDs. 11 September 2006.

United States Environmental Protection Agency (EPA), 2007a. Estimating the Soil Lead Concentration Term for the Integrated Exposure Uptake Biokinetic (IEUBK) Model [OSWER #9200.1-78] (September 2007).

United States Environmental Protection Agency (EPA), 2007b. Estimation of Relative Bioavailability of Lead in Soil and Soil-like Materials Using in Vivo and in Vitro Methods [OSWER #9285.7-77] (May 2007).

United States Environmental Protection Agency (EPA), 2007. Guidance for Evaluating the Oral Bioavailability of Metals in Soils for Use in Human Health Risk Assessment [OSWER #9285.7-80] (May 2007).

United States Environmental Protection Agency (EPA). 2008. Provisional Peer Reviewed Toxicity Values for Cobalt (CASRN 770-48-4). 25 August 2008.

United States Environmental Protection Agency (EPA), 2009a. *Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)*. Final. Office of Superfund Remediation and Technology Innovation. Washington DC. EPA-540-R-070-002. OSWER 9285.7-82. January 2009.

United States Environmental Protection Agency (EPA), 2009b. *Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameters.* OSWER Directive 9200.2-82, June 2009.

United States Environmental Protection Agency (EPA), 2009c. Validation Assessment of in Vitro Bioassessibility Assay for Predicting Relative Bioavailability of Lead in Soil and Soil-like Materials at superfund Sites [OSWER #9285.7-80] (June 2009).

United States Environmental Protection Agency (EPA), 2013. EPA's ProUCL software Version 4.00.05, June 2013.

United States Environmental Protection Agency (EPA), 2014a. Integrated Risk Information System, On-Line Data Base. [URL: http:// www.epa.gov/iris/index.html].

United States Environmental Protection Agency (EPA), 2014b. *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors.* OSWER Directive 9200.1-120. February.

United States Environmental Protection Agency (EPA), 2014c. *National Recommended Water Quality Criteria*. http://water.epa.gov/scitech/swguidance/standards/criteria/current/index.cfm

United States Geological Survey (USGS), 2007. Piatak, N. M., Seal, R. R., II, Sanzolone, R. F., Lamothe, P. J., Brown, Z. A., Adams, M., (USGS) 2007. *Sequential Extraction Results and Mineralogy of Mine Waste and Stream Sediments Associated With Metal Mines in Vermont, Maine, and New Zealand*. OFR 2007-1063.

URS Corporation (URS), 2006a. Draft Final Human Health Risk Assessment for Elizabeth Mine Site. May.

URS Corporation (URS), 2006b. Revised Draft Baseline Ecological Risk Assessment, Elizabeth Mine. May.

Chart E-1
Lead Model Output
Furnace Flats South
Elizabeth Mines Superfund Site
Strafford, Vermont

LEAD MODEL FOR WINDOWS Version 1.1

==========

Model Version: 1.1 Build11
User Name:
Date:
Site Name:
Operable Unit:
Run Mode: Research

==========

******** Air ********

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (µg Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

******** Diet ********

Age	Diet Intake(µg/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

******** Drinking Water ********

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520

3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 4.000 µg Pb/L

******** Soil & Dust ******

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	63.000	63.000
1-2	63.000	63.000
2-3	63.000	63.000
3-4	63.000	63.000
4-5	63.000	63.000
5-6	63.000	63.000
6-7	63.000	63.000

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

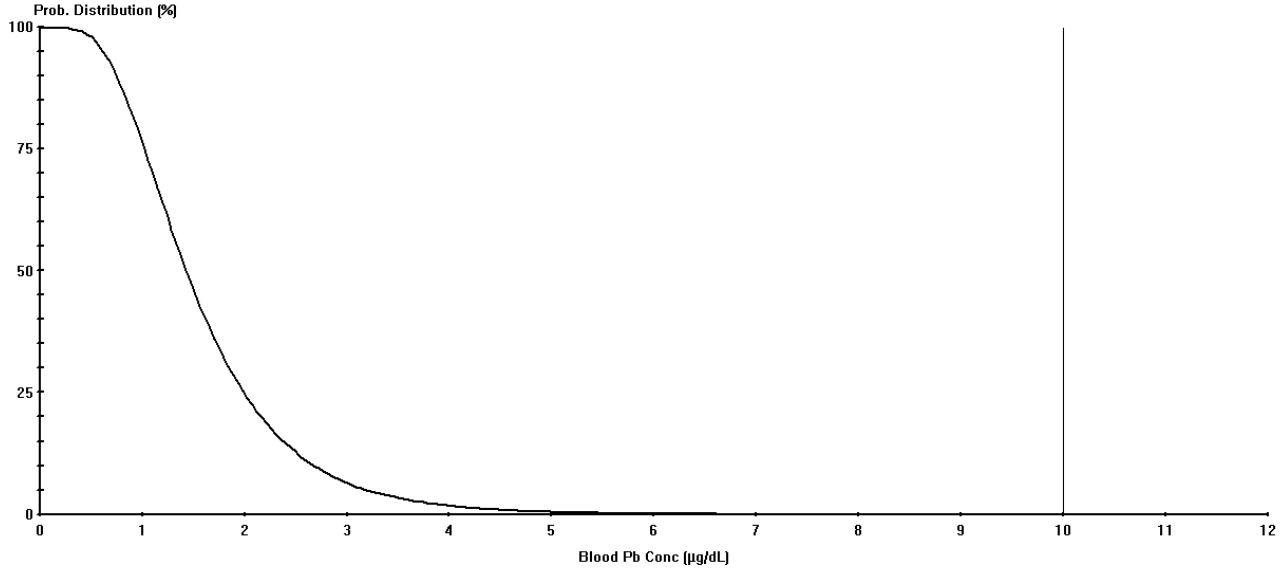
Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	1.092	0.000	0.387
1-2	0.034	0.943	0.000	0.963
2-3	0.062	1.030	0.000	1.006
3-4	0.067	0.991	0.000	1.030
4-5	0.067	0.955	0.000	1.077
5-6	0.093	1.006	0.000	1.139
6-7	0.093	1.091	0.000	1.160

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	1.552	3.052	1.7
1-2	2.456	4.397	1.8
2-3	2.468	4.566	1.7

3-4	2.480	4.568	1.6
4-5	1.850	3.949	1.4
5-6	1.670	3.908	1.2
6-7	1.579	3.924	1.1



Cutoff = 10.000 µg/dl
Geo Mean = 1.505
GSD = 1.600
% Above = 0.003

Age Range = 0 to 84 months

Run Mode = Research

Chart E-2
Lead Model Output
Copperas Factories
Elizabeth Mines Superfund Site
Strafford, Vermont

LEAD MODEL FOR WINDOWS Version 1.1

==========

Model Version: 1.1 Build11
User Name:
Date:
Site Name:
Operable Unit:
Run Mode: Research

==========

******** Air ********

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (µg Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

******** Diet ********

Age	Diet Intake(µg/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

******** Drinking Water ********

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520

3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 4.000 µg Pb/L

******** Soil & Dust ******

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	662.000	662.000
1-2	662.000	662.000
2-3	662.000	662.000
3-4	662.000	662.000
4-5	662.000	662.000
5-6	662.000	662.000
6-7	662.000	662.000

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

****** Maternal Contribution: Infant Model ******

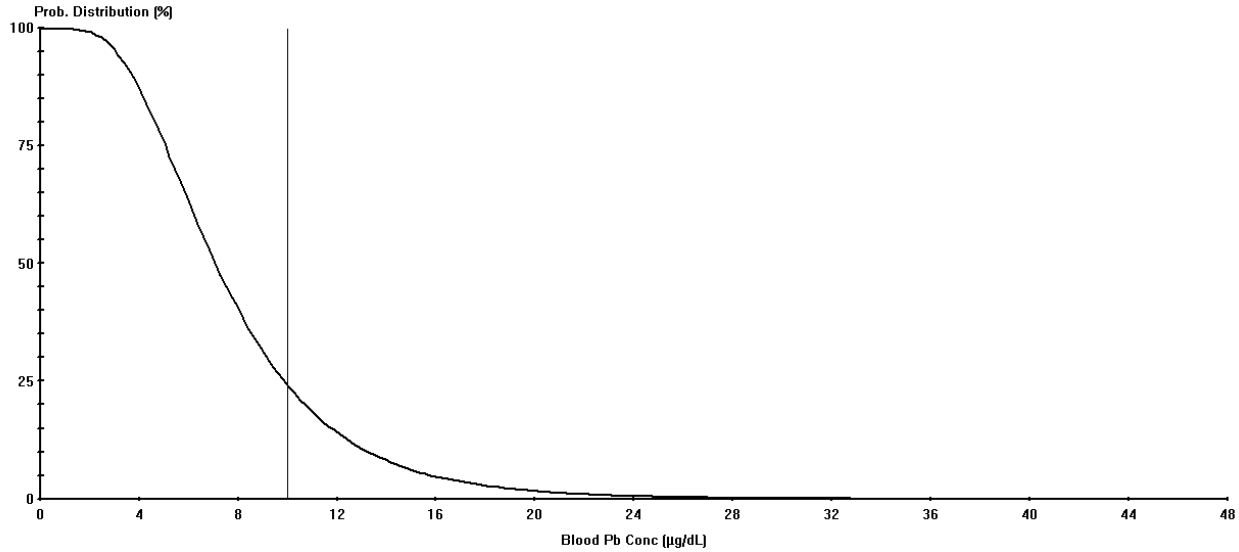
Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	0.945	0.000	0.334
1-2	0.034	0.794	0.000	0.810
2-3	0.062	0.886	0.000	0.866
3-4	0.067	0.869	0.000	0.903
4-5	0.067	0.874	0.000	0.986
5-6	0.093	0.937	0.000	1.060
6-7	0.093	1.025	0.000	1.090

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	14.112	15.412	8.2
1-2	21.728	23.367	9.5
2-3	22.314	24.128	8.9

3-4	22.850	24.689	8.5
4-5	17.806	19.733	7.0
5-6	16.336	18.426	5.9
6-7	15.590	17.798	5.2



Cutoff = 10.000 µg/dl
Geo Mean = 7.451
GSD = 1.600
% Above = 26.565

Age Range = 0 to 84 months

Run Mode = Research

CHART E-3

ADULT LEAD MODEL OUTPUTS - COPPPERAS FACTORIES SURFACE SOIL
ELIZABETH MINES SUPERFUND SITE
STRAFFORD, VERMONT

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 1999-2004	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	ug/g or ppm	662	662
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	2.1
PbB_0	Baseline PbB	ug/dL	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	219	219
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**2.0**	**2.5**
$PbB_{fetal, 0.95}$	95th percentile PbB among fetuses of adult workers	ug/dL	4.6	7.5
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**10.0**	**10.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0.2%**	**2.1%**

Pb= Lead
PbB= Blood Lead

NHANES= National Health and Nutrition Examination Survey

United States Environmental Protection Agency (EPA). 2003. Recommendations of the Technical Review Workgroup for Lead for an Approach to Assessing Risks associated with Adult Exposures to Lead in Soil. January 2003. OSWER Dir #9285.7-54. Available from: http://www.epa.gov/superfund/health/contaminants/lead/products/adultpb.pdf

United States Environmental Protection Agency (EPA). 2009. Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameters. OSWER Directive 9200.2-82, June 2009. Available from: http://www.epa.gov/superfund/health/contaminants/lead/products/almupdate.pdf

U.S. EPA Technical Review Workgroup for Lead, Adult Lead Committee
Version date 6/21/09. Available from: http://www.epa.gov/superfund/health/contaminants/lead/products.htm

Chart E- 4
Lead Model Output
Copperas Factories
Elizabeth Mines Superfund Site
Strafford, Vermont

LEAD MODEL FOR WINDOWS Version 1.1

==========

Model Version: 1.1 Build11

==========

******** Air ********

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (µg Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

******** Diet ********

Age	Diet Intake(µg/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

******** Drinking Water ********

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 4.000 µg Pb/L

****** Soil & Dust ******

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	662.000	662.000
1-2	662.000	662.000
2-3	662.000	662.000
3-4	662.000	662.000
4-5	662.000	662.000
5-6	662.000	662.000
6-7	662.000	662.000

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

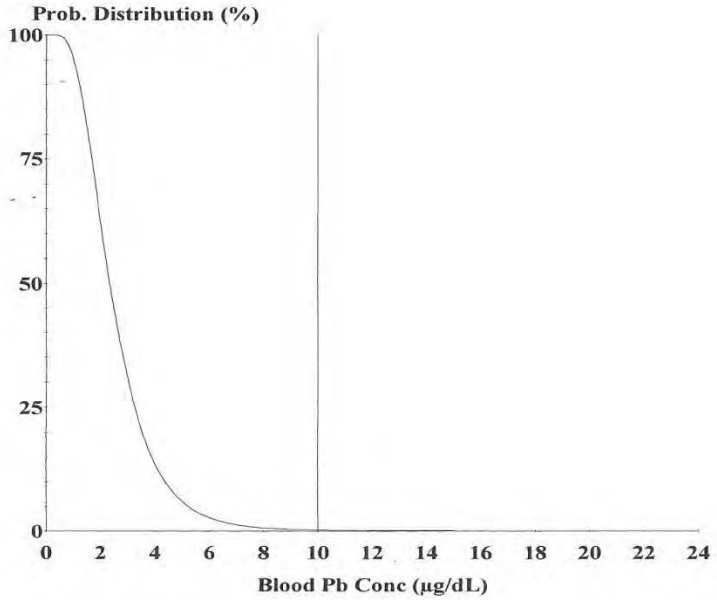
****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	1.067	0.000	0.378
1-2	0.034	0.918	0.000	0.937
2-3	0.062	1.006	0.000	0.982
3-4	0.067	0.971	0.000	1.010
4-5	0.067	0.942	0.000	1.063
5-6	0.093	0.996	0.000	1.127
6-7	0.093	1.081	0.000	1.149

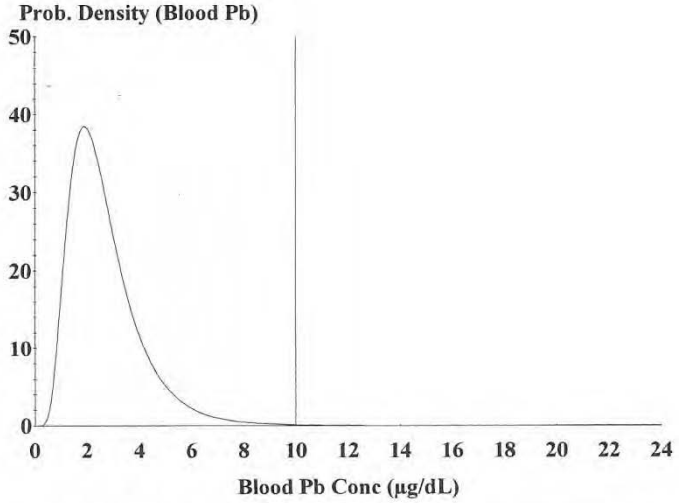
Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	3.561	5.028	2.7
1-2	5.608	7.497	3.1
2-3	5.657	7.707	2.9
3-4	5.703	7.750	2.7
4-5	4.286	6.357	2.3
5-6	3.878	6.093	1.9
6-7	3.673	5.997	1.7



Cutoff = 10.000 µg/dl
Geo Mean = 2.460
GSD = 1.600
% Above = 0.142

Age Range = 0 to 84 months

Run Mode = Research



Cutoff = 10.000 µg/dl
Geo Mean = 2.460
GSD = 1.600
% Above = 0.142
% Below = 99.858

Age Range = 0 to 84 months

Run Mode = Research

Table E-6
Summary Statistics for 2013 Soil Data
Elizabeth Mine Superfund Site
Strafford, Vermont

Area/COPC	Frequency of Detection	Average (mg/kg)	Maximum Detect (mg/kg)	95% UCL (mg/kg)	UCL Basis	Data Distribution
Furnace Flats South						
Cobalt	32/32	25	59	28.75	95% Student's-t	Normal
Copper	32/32	1428	3800	1691	95% Student's-t	Normal
Iron	32/32	102141	240000	153105	95% Chebyshev (Mean, Sd) UCL	Not Discernable
Lead	32/32	63	650	150.8	95% Chebyshev (Mean, Sd) UCL	Lognormal
Copperas Factories						
Cobalt	14/35	22	70	23.44	95% KM (t) UCL	Gamma
Copper	35/35	825	2600	968.2	95% Student's-t	Normal
Iron	35/35	161943	320000	177191	95% Student's-t	Normal
Lead	35/35	662	3600	990.9	95% Adjusted Gamma UCL	Gamma
South Open Cut						
Cobalt	25/34	28	87	32.71	95% KM (Percentile Bootstrap) UCL	Gamma
Copper	34/34	1842	11000	3553	95% Chebyshev (Mean, Sd) UCL	Not Discernable
Iron	34/34	99103	180000	112862	95% Student's-t	Normal
Lead	24/34	11	41	12.45	95% KM (BCA) UCL	Not Discernable
WWII Infrastructure Area						
Cobalt	22/25	24	61	29.7	95% KM (BCA) UCL	Gamma
Copper	25/25	1588	3000	1824	95% Student's-t	Normal
Iron	25/25	83680	170000	95797	95% Student's-t	Not Discernable
Lead	24/25	30	48	32.89	95% KM (t) UCL	Normal
South Mine						
Cobalt	26/30	30	130	38.02	95% KM (BCA) UCL	Gamma
Copper	30/30	1401	3000	1578	95% Student's-t	Lognormal
Iron	30/30	96383	160000	105221	95% Student's-t	Normal
Lead	30/30	21	32	23.2	95% Student's-t	Normal
Tyson Shaft						
Arsenic	15/30	34	100	36.64	95% KM (t) UCL	Normal
Cobalt	9/30	23	83	21.08	95% KM (t) UCL	Normal
Copper	30/30	3375	28000	7431	95% H-UCL	Lognormal
Iron	30/30	188533	320000	214349	95% Student's-t	Normal
Lead	28/30	74	300	90.04	95% KM (t) UCL	Normal

Table E-6
Summary Statistics for 2013 Soil Data
Elizabeth Mine Superfund Site
Strafford, Vermont

Area/COPC	Frequency of Detection	Average (mg/kg)	Maximum Detect (mg/kg)	95% UCL (mg/kg)	UCL Basis	Data Distribution
Furnace Flat North						
Cobalt	11/30	17	72	17.46	95% KM (t) UCL	Gamma
Copper	30/30	2785	20000	6558	95% Chebyshev (Mean, Sd) UCL	Not Discernable
Iron	30/30	124122	230000	138674	95% Student's-t	Normal
Lead	27/30	39	170	48.92	95% KM (BCA) UCL	Gamma
Sargent Smelter						
Cobalt	32/32	59	360	111.4	95% Chebyshev (Mean, Sd) UCL	Not Discernable
Copper	32/32	2532	8200	3347	95% Adjusted Gamma UCL	Gamma
Iron	32/32	62375	350000	116415	95% Chebyshev (Mean, Sd) UCL	Not Discernable
Lead	29/32	29	91	44.25	95% KM (Chebyshev) UCL	Not Discernable

TABLE E-7A
RESIDENT SOIL RISK SUMMARY
FUTURE RESIDENTIAL EXPOSURE TO SURFACE SOIL
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

Area/COPC	Statistical Data Summary				Child Resident										Lifetime Resident										Child Resident	Child Resident
	Average Concentration mg/kg	Maximum Detected Concentration mg/kg	95% Upper Confidence Limit on the Mean mg/kg	95% Upper Confidence Limit on the Mean Statistic	Non-cancer Oral Exposure Factor	Non-cancer Dermal Exposure Factor	Non-cancer Inhalation Exposure Factor	Oral Reference Dose (RfD) mg/kg-d	Dermal Reference Dose (RfD) mg/kg-d	Reference Concentration (RfC) ug/m^3	Ingestion Hazard Quotient (HQ)	Dermal Hazard Quotient (HQ)	Inhalation Hazard Quotient (HQ)	Total Hazard Index (HI)[1]	Cancer Oral Exposure Factor	Cancer Dermal Exposure Factor	Cancer Inhalation Exposure Factor	Oral Cancer Slope Factor $(mg/kg\text{-}d)^{-1}$	Dermal Cancer Slope Factor $(mg/kg\text{-}d)^{-1}$	Inhalation Unit Risk $(ug/m^3)^{-1}$	Ingestion Cancer Risk	Dermal Cancer Risk	Inhalation Cancer Risk	Total Cancer Risk[2]	Lead Model Results[3] % with blood lead level greater than 10 µg/dL	Lead Model Results modified with Site-specific bioavailability[4] % with blood lead level greater than 10 µg/dL
Furnace Flats South																										
Cobalt	25	59	29	95% Student's-t	1.28E-05		6.85E-07	3.00E-04		6.00E-03	1.23		0.0033	1.23			2.5E-07			9.0E-03			6.6E-08	6.6E-08		
Copper	1428	3800	1691	95% Student's-t	1.28E-05		6.85E-07	4.00E-02		NA	0.54			0.54			2.5E-07			NA						
Iron	102141	240000	153105	95% Chebyshev (Mean, Sd) UCL	1.28E-05		6.85E-07	7.00E-01		NA	2.80			2.80			2.5E-07			NA						
Lead	63	650	151	95% Chebyshev (Mean, Sd) UCL				NA		NA										NA					0.003	
Total											4.56		0.0033	4.57									6.6E-08	6.6E-08		
Copperas Factories																										
Cobalt	22	70	23	95% KM (t) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	1.00		0.0027	1.00			2.5E-07			9.0E-03			5.4E-08	5.4E-08		
Copper	825	2600	968	95% Student's-t	1.28E-05		6.85E-07	4.00E-02		NA	0.31			0.31			2.5E-07			NA						
Iron	161943	320000	177191	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	3.24			3.24			2.5E-07			NA						
Lead	662	3600	991	95% Adjusted Gamma UCL				NA		NA										NA					26.6	0.14
Total											4.54		0.0027	4.55									5.4E-08	5.4E-08		
South Open Cut																										
Cobalt	28	87	33	95% KM (Percentile Bootstrap) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	1.39		0.0037	1.40			2.5E-07			9.0E-03			7.5E-08	7.5E-08		
Copper	1842	11000	3553	95% Chebyshev (Mean, Sd) UCL	1.28E-05		6.85E-07	4.00E-02		NA	1.14			1.14			2.5E-07			NA						
Iron	99103	180000	112862	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	2.06			2.06			2.5E-07			NA						
Lead	11	41	12	95% KM (BCA) UCL				NA		NA										NA					Not a COPC	Not a COPC
Total											4.59		0.0037	4.59									7.5E-08	7.5E-08		
WWII Infrastructure Area																										
Cobalt	24	61	30	95% KM (BCA) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	1.27		0.0034	1.27			2.5E-07			9.0E-03			6.8E-08	6.8E-08		
Copper	1588	3000	1824	95% Student's-t	1.28E-05		6.85E-07	4.00E-02		NA	0.58			0.58			2.5E-07			NA						
Iron	83680	170000	95797	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	1.75			1.75			2.5E-07			NA						
Lead	30	48	33	95% KM (t) UCL				NA		NA										NA					Not a COPC	Not a COPC
Total											3.60		0.0034	3.60									6.8E-08	6.8E-08		
South Mine																										
Cobalt	30	130	38	95% KM (BCA) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	1.62		0.0043	1.62			2.5E-07			9.0E-03			8.7E-08	8.7E-08		
Copper	1401	3000	1578	95% Student's-t	1.28E-05		6.85E-07	4.00E-02		NA	0.50			0.50			2.5E-07			NA						
Iron	96383	160000	105221	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	1.92			1.92			2.5E-07			NA						
Lead	21	32	23	95% Student's-t				NA		NA										NA					Not a COPC	Not a COPC
Total											4.05		0.0043	4.05									8.7E-08	8.7E-08		
Tyson Shaft																										
Arsenic[5]	34	100	37	95% KM (t) UCL	1.28E-05	1.03E-06	6.85E-07	3.00E-04	3.00E-04	1.50E-02	0.94	0.08	0.0010	1.01	1.44E-06	1.32E-07	2.5E-07	1.5E+00	1.5E+00	4.3E-03	4.7E-05	4.3E-06	2.4E-08	5.2E-05		
Cobalt	23	83	21	95% KM (t) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	0.90		0.0024	0.90			2.5E-07			9.0E-03			4.8E-08	4.8E-08		
Copper	3375	28000	7431	95% H-UCL	1.28E-05		6.85E-07	4.00E-02		NA	2.38			2.38			2.5E-07			NA						
Iron	188533	320000	214349	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	3.92			3.92			2.5E-07			NA						
Lead	74	300	90	95% KM (t) UCL				NA		NA										NA					Not a COPC	Not a COPC
Total											8.13	0.08	0.0034	8.20							4.7E-05	4.3E-06	7.2E-08	5.2E-05		
Furnace Flats North																										
Cobalt	17	72	17	95% KM (t) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	0.74		0.0020	0.75			2.5E-07			9.0E-03			4.0E-08	4.0E-08		
Copper	2785	20000	6558	95% Chebyshev (Mean, Sd) UCL	1.28E-05		6.85E-07	4.00E-02		NA	2.10			2.10			2.5E-07			NA						
Iron	124122	230000	138674	95% Student's-t	1.28E-05		6.85E-07	7.00E-01		NA	2.53			2.53			2.5E-07			NA						
Lead	39	170	49	95% KM (BCA) UCL				NA		NA										NA					Not a COPC	Not a COPC
Total											5.37		0.0020	5.38									4.0E-08	4.0E-08		
Sargent Brook Smelter																										
Cobalt	59	360	111	95% Chebyshev (Mean, Sd) UCL	1.28E-05		6.85E-07	3.00E-04		6.00E-03	4.75		0.0127	4.76			2.5E-07			9.0E-03			2.6E-07	2.6E-07		
Copper	2532	8200	3347	95% Adjusted Gamma UCL	1.28E-05		6.85E-07	4.00E-02		NA	1.07			1.07			2.5E-07			NA						
Iron	62375	350000	116415	95% Chebyshev (Mean, Sd) UCL	1.28E-05		6.85E-07	7.00E-01		NA	2.13			2.13			2.5E-07			NA						
Lead	29	91	44	95% KM (Chebyshev) UCL				NA		NA										NA					Not a COPC	Not a COPC
Total											7.94		0.0127	7.96									2.6E-07	2.6E-07		

Exposure Point Concentration (EPC) = 95% Upper Confidence Limit on the Mean (UCL) for non-cancer hazard quotient and cancer risk estimates.

Child Resident Non-Cancer Oral Exposure Factor = (Ingestion Rate *Fraction Ingested* Exposure Frequency*Exposure Duration*Aborption Factor $_{oral}$*Conversion Factor)/(Body Weight*Averaging Time)
= (200 mg/d * 1.0 * 350 d/y * 6 y * 1.0 * 10^{-6} kg/mg)/(15 kg * 6 y * 365 d/y)

Child Resident Non-Cancer Dermal Exposure Factor = (Surface Area *Soil-to-skin-Adherence Factor* Exposure Frequency*Exposure Duration*Aborption Factor $_{dermal}$*Conversion Factor)/(Body Weight*Averaging Time)
(applies to arsenic only) = (2690 cm^2 * 0.2 mg/cm^2*d * 350 d/y * 6 y * 0.03 * 10^{-6} kg/mg)/(15 kg * 6 y * 365 d/y)

Child Resident Non-Cancer Inhalation Exposure Factor = ((1/particulate emission factor)*Exposure Time* Exposure Frequency*Exposure Duration*Conversion Factor* days/hour)/Averaging Time
= (1/1.4E+9 m^3/kg* 24 hr/d *350 d/y * 6 y * 10^{+3} ug/mg * (1d/24 hr))/(6 y * 365 d/y)

Lifetime Resident Cancer Oral Exposure Factor = ((((Ingestion Rate $_{child}$ *Exposure Duration $_{child}$)/Body weight $_{child}$)+((Ingestion Rate $_{adult}$ *Exposure Duration $_{adult}$)/Body weight $_{adult}$))*Fraction Ingested* Exposure Frequency*Aborption Factor $_{oral}$*Conversion Factor)/Averaging Time
(applies to arsenic only) = ((((200 mg/d * 6 y)/15 kg)+((100 mg/d * 20 y)/70 kg))*1.0 * 350 d/y * 1.0 * 10^{-6} kg/mg)/(70 y * 365 d/y)

Lifetime Resident Cancer Dermal Exposure Factor = ((((Surface Area $_{child}$ *Soil-to-skin-Adherence Factor $_{child}$*Exposure Duration $_{child}$)/Body Weight $_{child}$)+((Surface Area $_{adult}$ *Soil-to-skin-Adherence Factor $_{adult}$*Exposure Duration $_{adult}$)/Body Weight $_{adult}$))* Exposure Frequency*Aborption Factor $_{dermal}$*Conversion Factor)/Averaging Time
(applies to arsenic only) = ((((2690 cm^2 * 0.2 mg/cm^2*d * 6 y)/15 kg)+((6032 cm^2 * 0.07 mg/cm^2*d * 20 y)/80 kg))*0.03 * 350 d/y * 1.0 * 10^{-6} kg/mg)/(70 y * 365 d/y)

Lifetime Resident Cancer Inhalation Exposure Factor = ((1/particulate emission factor)*Exposure Time* Exposure Frequency*Exposure Duration*Conversion Factor* days/hour)/Averaging Time
= ((1/1.4E+9 m^3/kg)* 24 hr/d *350 d/y * 26 y * 10^{+3} ug/mg * (1d/24 hr))/(70 y * 365 d/y)

ingestion hazard quotient (HQ) = EPC*Oral Exposure Factor/Oral Reference Dose (RfD)
dermal hazard quotient (HQ) = EPC*Dermal Exposure Factor/Dermal Reference Dose (RfD)
inhalation HQ = EPC*Exposure Factor/Reference Concentration (RfC)
Total hazard Index[1] = ingestion HQ + dermal HQ + inhalation HQ.

ingestion Cancer risk = EPC*Oral Exposure Factor*Oral Cancer Slope Factor (CSF)
dermal Cancer risk = EPC*Dermal Exposure Factor*Dermal Cancer Slope Factor (CSF)
inhalation Cancer risk = EPC * Exposure Factor * Unit Risk
Total Cancer risk[2] = ingestion Cancer risk + dermal Cancer risk + inhalation Cancer risk

[1] Total hazard index for cobalt, copper, or iron does not include dermal pathway because these COPCs do not have dermal absorption factors.
[2] Total cancer risk for cobalt, copper, or iron does not include the dermal pathway because these COPCs do not have dermal absorption factors and does not include the ingestion pathway because these COPCs do not have oral cancer slope factors.
[3] Lead evaluation is performed only where maximum lead concentration exceeds 400 mg/Kg and only for child residents (IEUBK Model) using the average lead concentration as the EPC.
[4] Site-specific relative bioavailability of 13.3% has been applied to the IEUBK lead model for soils from the Copperas Factory.
[5] The default bioavailability factor of 0.6 has been applied to cancer risks and hazards fir arsenic.
NA - Not Available.
Yellow highlighting indicates total hazard index exceeds target hazard index of 1.0; total cancer risks exceed target risks of $1x10^{-4}$; or percent of children exceeding blood lead levels of 10µg/dL exceeds target of 5.

TABLE E-7B
TRESPASSER SOIL RISK SUMMARY
CURRENT TRESPASSER EXPOSURE TO SURFACE SOIL
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

Area/COPC	Statistical Data Summary				Adolescent Trespasser Non-cancer Health Hazards										Adolescent Trespasser Cancer Risks									
	Average Concentration mg/kg	Maximum Detected Concentration mg/kg	95% Upper Confidence Limit on the Mean mg/kg	95% Upper Confidence Limit on the Mean Statistic	Non-cancer Oral Exposure Factor	Non-cancer Dermal Exposure Factor	Non-cancer Inhalation Exposure Factor	Oral Reference Dose (RfD) mg/kg-d	Dermal Reference Dose (RfD) mg/kg-d	Reference Concentration (RfC) ug/m^3	Ingestion Hazard Quotient (HQ)	Dermal Hazard Quotient (HQ)	Inhalation Hazard Quotient (HQ)	Total Hazard Index (HI)[1]	Cancer Oral Exposure Factor	Cancer Dermal Exposure Factor	Cancer Inhalation Exposure Factor	Oral Cancer Slope Factor (mg/kg-d)$^{-1}$	Dermal Cancer Slope Factor (mg/kg-d)$^{-1}$	Inhalation Unit Risk (ug/m^3)$^{-1}$	Ingestion Cancer Risk	Dermal Cancer Risk	Inhalation Cancer Risk	Total Cancer Risk[2]
Furnace Flats South																								
Cobalt	25	59	29	95% Student's-t	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.05		0.0001	0.05			3.6E-09			9.0E-03			9.4E-10	9.4E-10
Copper	1428	3800	1691	95% Student's-t	5.48E-07		2.54E-08	4.00E-02		NA	0.02			0.02			3.6E-09			NA				
Iron	102141	240000	153105	95% Chebyshev (Mean, Sd) UCL	5.48E-07		2.54E-08	7.00E-01		NA	0.12			0.12			3.6E-09			NA				
Lead	63	650	151	95% Chebyshev (Mean, Sd) UCL				NA		NA										NA				
Total											0.20		0.0001	0.20									9.4E-10	9.4E-10
Copperas Factories																								
Cobalt	22	70	23	95% KM (t) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.04		0.0001	0.04			3.6E-09			9.0E-03			7.7E-10	7.7E-10
Copper	825	2600	968	95% Student's-t	5.48E-07		2.54E-08	4.00E-02		NA	0.01			0.01			3.6E-09			NA				
Iron	161943	320000	177191	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.14			0.14			3.6E-09			NA				
Lead	662	3600	991	95% Adjusted Gamma UCL				NA		NA										NA				
Total											0.19		0.0001	0.19									7.7E-10	7.7E-10
South Open Cut																								
Cobalt	28	87	33	95% KM (Percentile Bootstrap) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.06		0.0001	0.06			3.6E-09			9.0E-03			1.1E-09	1.1E-09
Copper	1842	11000	3553	95% Chebyshev (Mean, Sd) UCL	5.48E-07		2.54E-08	4.00E-02		NA	0.05			0.05			3.6E-09			NA				
Iron	99103	180000	112862	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.09			0.09			3.6E-09			NA				
Lead	11	41	12	95% KM (BCA) UCL				NA		NA										NA				
Total											0.20		0.0001	0.20									1.1E-09	1.1E-09
WWII Infrastructure Area																								
Cobalt	24	61	30	95% KM (BCA) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.05		0.0001	0.05			3.6E-09			9.0E-03			9.7E-10	9.7E-10
Copper	1588	3000	1824	95% Student's-t	5.48E-07		2.54E-08	4.00E-02		NA	0.02			0.02			3.6E-09			NA				
Iron	83680	170000	95797	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.07			0.07			3.6E-09			NA				
Lead	30	48	33	95% KM (t) UCL				NA		NA										NA				
Total											0.15		0.0001	0.15									9.7E-10	9.7E-10
South Mine																								
Cobalt	30	130	38	95% KM (BCA) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.07		0.0002	0.07			3.6E-09			9.0E-03			1.2E-09	1.2E-09
Copper	1401	3000	1578	95% Student's-t	5.48E-07		2.54E-08	4.00E-02		NA	0.02			0.02			3.6E-09			NA				
Iron	96383	160000	105221	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.08			0.08			3.6E-09			NA				
Lead	21	32	23	95% Student's-t				NA		NA										NA				
Total											0.17		0.0002	0.17									1.2E-09	1.2E-09
Tyson Shaft																								
Arsenic[4]	34	100	37	95% KM (t) UCL	5.48E-07	1.30E-07	2.54E-08	3.00E-04	3.00E-04	1.50E-02	0.04	0.01	0.0000	0.05	7.83E-08	6.48E-09	3.6E-09	1.5E+00	1.5E+00	4.3E-03	2.6E-06	2.1E-07	3.4E-10	2.8E-06
Cobalt	23	83	21	95% KM (t) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.04		0.0001	0.04			3.6E-09			9.0E-03			6.9E-10	6.9E-10
Copper	3375	28000	7431	95% H-UCL	5.48E-07		2.54E-08	4.00E-02		NA	0.10			0.10			3.6E-09			NA				
Iron	188533	320000	214349	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.17			0.17			3.6E-09			NA				
Lead	74	300	90	95% KM (t) UCL				NA		NA										NA				
Total											0.35	0.01	0.0001	0.36							2.6E-06	2.1E-07	1.0E-09	2.8E-06
Furnace Flats North																								
Cobalt	17	72	17	95% KM (t) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.03		0.0001	0.03			3.6E-09			9.0E-03			5.7E-10	5.7E-10
Copper	2785	20000	6558	95% Chebyshev (Mean, Sd) UCL	5.48E-07		2.54E-08	4.00E-02		NA	0.09			0.09			3.6E-09			NA				
Iron	124122	230000	138674	95% Student's-t	5.48E-07		2.54E-08	7.00E-01		NA	0.11			0.11			3.6E-09			NA				
Lead	39	170	49	95% KM (BCA) UCL				NA		NA										NA				
Total											0.23		0.0001	0.23									5.7E-10	5.7E-10
Sargent Brook Smelter																								
Cobalt	59	360	111	95% Chebyshev (Mean, Sd) UCL	5.48E-07		2.54E-08	3.00E-04		6.00E-03	0.20		0.0005	0.20			3.6E-09			9.0E-03			3.6E-09	3.6E-09
Copper	2532	8200	3347	95% Adjusted Gamma UCL	5.48E-07		2.54E-08	4.00E-02		NA	0.05			0.05			3.6E-09			NA				
Iron	62375	350000	116415	95% Chebyshev (Mean, Sd) UCL	5.48E-07		2.54E-08	7.00E-01		NA	0.09			0.09			3.6E-09			NA				
Lead	29	91	44	95% KM (Chebyshev) UCL				NA		NA										NA				
Total											0.34		0.0005	0.34									3.6E-09	3.6E-09

Exposure Point Concentration (EPC) = 95% Upper Confidence Limit on the Mean (UCL) for non-cancer hazard quotient and cancer risk estimates.

Adolescent Trespasser Non-Cancer Oral Exposure Factor = (Ingestion Rate *Fraction Ingested* Exposure Frequency*Exposure Duration*Aborption Factor $_{oral}$*Conversion Factor)/(Body Weight*Averaging Time)
= (100 mg/d * 1.0 * 78 d/y * 10 y * 1.0 * 10^{-6} kg/mg)/(39 kg * 10 y * 365 d/y)

Adolescent Trespasser Non-Cancer Dermal Exposure Factor = (Surface Area *Soil-to-skin-Adherence Factor* Exposure Frequency*Exposure Duration*Aborption Factor $_{dermal}$*Conversion Factor)/(Body Weight*Averaging Time)
(applies to arsenic only) = (3944 cm^2 * 0.2 mg/cm^2*d * 78 d/y * 10 y * 0.03 * 10^{-6} kg/mg)/(39 kg * 10 y * 365 d/y)

Adolescent Trespasser Non-Cancer Inhalation Exposure Factor = ((1/particulate emission factor)*Exposure Time* Exposure Frequency*Exposure Duration*Conversion Factor* days/hour)/Averaging Time
= (1/1.4E+9 m^3/kg* 4 hr/d *78 d/y * 10 y * 10^{+3} ug/mg * (1d/24 hr))/(10 y * 365 d/y)

Adolescent Trespasser Cancer Oral Exposure Factor = (Ingestion Rate *Exposure Duration *Fraction Ingested* Exposure Frequency*Aborption Factor $_{oral}$*Conversion Factor)/(Body weight*Averaging Time)
(applies to arsenic only) = (100 mg/d * 10 y*1.0 * 78 d/y * 1.0 * 10^{-6} kg/mg)/(39 kg *70 y * 365 d/y)

Adolescent Trespasser Cancer Dermal Exposure Factor = (Surface Area *Soil-to-skin-Adherence Factor*Exposure Duration* Exposure Frequency*Aborption Factor $_{dermal}$*Conversion Factor)/(Body Weight *Averaging Time)
(applies to arsenic only) = (3944 cm^2 * 0.07 mg/cm^2*d * 10 y*0.03 * 78 d/y * 1.0 * 10^{-6} kg/mg)/(39 kg* 70 y * 365 d/y)

Adolescent Trespasser Cancer Inhalation Exposure Factor = ((1/particulate emission factor)*Exposure Time* Exposure Frequency*Exposure Duration*Conversion Factor* days/hour)/Averaging Time
= ((1/1.4E+9 m^3/kg)* 4 hr/d *78 d/y * 10 y * 10^{+3} ug/mg * (1d/24 hr))/(70 y * 365 d/y)

ingestion hazard quotient (HQ) = EPC*Oral Exposure Factor/Oral Reference Dose (RfD)
dermal hazard quotient (HQ) = EPC*Dermal Exposure Factor/Dermal Reference Dose (RfD)
inhalation HQ = EPC*Exposure Factor/Reference Concentration (RfC)
Total hazard Index[1] = ingestion HQ + dermal HQ + inhalation HQ.

ingestion Cancer risk = EPC*Oral Exposure Factor*Oral Cancer Slope Factor (CSF)
dermal Cancer risk = EPC*Dermal Exposure Factor*Dermal Cancer Slope Factor (CSF)
inhalation Cancer risk = EPC * Exposure Factor * Unit Risk
Total Cancer risk[2] = ingestion Cancer risk + dermal Cancer risk + inhalation Cancer risk

[1] Total hazard index for cobalt, copper, or iron does not include dermal pathway because these COPCs do not have dermal absorption factors.
[2] Total cancer risk for cobalt, copper, or iron does not include the dermal pathway because these COPCs do not have dermal absorption factors and does not include the ingestion pathway because these COPCs do not have oral cancer slope factors.
[4] The default bioavailability factor of 0.6 has been applied to cancer risks and hazards for arsenic.
NA - Not Available.
No total hazard index exceeds target hazard index of 1.0 or total cancer risks exceed target risks of 1x10^{-4}.

TABLE E-8
SOIL SCREENING LEVEL
FUTURE RESIDENTIAL EXPOSURE TO SURFACE SOIL
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

COPC	Child Resident			
	Target Hazard Quotient (HQ)[1] mg/kg	Non-cancer Oral Exposure Factor	Oral Reference Dose (RfD) mg/kg-d	Calculated Site-Specific Screening Level
Cobalt	1	1.28E-05	3.00E-04	23
Copper	0.5	1.28E-05	4.00E-02	1564
Iron	0.5	1.28E-05	7.00E-01	27375

Child Resident Non-Cancer Oral Exposure Factor = (Ingestion Rate* Exposure Frequency*Exposure Duration*Aborption Factor $_{oral}$*Conversion Factor)/(Body Weight*Averaging Time)
= (200 mg/d * 1.0 * 350 d/y * 6 y * 1.0 * 10^{-6} kg/mg)/(15 kg * 6 y * 365 d/y)

Calculated Site-Specific Screening Level=(Target hazard quotient (HQ)*Oral Reference Dose (RfD))/Oral Exposure Factor

[1] Target Hazard Quotient set at 1 for cobalt; however, both copper and iron affect the Gastrointestinal tract, so their effects are additive and a target Hi of 0.5 was selected.

TABLE E-9
SEDIMENT SCREENING LEVEL
WADER EXPOSURE TO SEDIMENT
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

COPC	Child Wader			
	Target Hazard Quotient (HQ)[1] mg/kg	Non-cancer Oral Exposure Factor	Oral Reference Dose (RfD) mg/kg-d	Calculated Site-Specific Screening Level
Cobalt	1	1.83E-06	3.00E-04	164
Copper	0.5	1.83E-06	4.00E-02	10950
Iron	0.5	1.83E-06	7.00E-01	191625

Child Wader Non-Cancer Oral Exposure Factor =
(Ingestion Rate* Exposure Frequency*Exposure Duration*Aborption Factor oral*Conversion Factor)/(Body Weight*Averaging Time)
= (200 mg/d * 50 d/y * 6 y * 1.0 * 10-6 kg/mg)/(15 kg * 6 y * 365 d/y)

Calculated Site-Specific Screening Level=(Target hazard quotient (HQ)*Oral Reference Dose (RfD))/Oral Exposure Factor

[1] Target Hazard Quotient set at 1 for cobalt; however, both copper and iron affect the Gastrointestinal tract, so their effects are additive and a target Hi of 0.5 was selected.

TABLE E-10
SURFACE WATER SCREENING LEVEL
SWIMMER EXPOSURE TO SURFACE WATER
ELIZABETH MINE SUPERFUND SITE
STRAFFORD, VERMONT

COPC	Child Swimmer						
	Target Hazard Quotient (HQ)[1]	Permeability Coeffient (Kp) cm/hr	Non-cancer Oral Exposure Factor	Non-cancer Dermal Exposure Factor	Oral Reference Dose (RfD) mg/kg-d	Dermal Reference Dose (RfD) mg/kg-d	Calculated Site-Specific Screening Level µg/L
Cobalt	1	0.0004	4.38E-07	2.24E-08	3.00E-04	3.00E-04	684
Copper	0.5	0.001	4.38E-07	5.59E-08	4.00E-02	4.00E-02	45,625
Iron	0.5	0.001	4.38E-07	5.59E-08	7.00E-01	7.00E-01	798,438

Child Swimmer Non-Cancer Oral Exposure Factor = (Ingestion Rate*Exposure Time*Exposure Frequency*Exposure Duration*Conversion Factor)/(Body Weight*Averaging Time)
= (0.05 L/hr *2 hr/d * 24 d/y * 6 y * 10^{-3} mg/µg)/(15 kg * 6 y * 365 d/y)

Child Swimmer Non-Cancer Dermal Exposure Factor = (Surface Area *Permeability Coeffient*Exposure Time* Event Frequency*Exposure Frequency*Exposure Duration* Conversion Factor*Conversion Factor)/(Body Weight*Averaging Time)
= (6378 cm^2 * Kp cm/hr * 2 hr/event * 1 event/d * 24 d/y * 6 y * 10^{-3} mg/µg * 10^{-3} L/cm^3)/(15 kg * 6 y * 365 d/y)

Calculated Site-Specific Screening Level=Target hazard quotient (HQ)*((Oral Reference Dose (RfD))/Oral Exposure Factor) +(Dermal Reference Dose (RfD))/Dermal Exposure Factor))

[1] Target Hazard Quotient set at 1 for cobalt; however, both copper and iron affect the Gastrointestinal tract, so their effects are additive and a target Hi of 0.5 was selected.

Appendix F

Soil bioaccessibility results for Elizabeth Mine site

Five-Year Review

Soil bioaccessibility results for Elizabeth Mine site

Ed Hathaway of USEPA's Region 1 shipped 26 soil samples to USEPA's Office of Research and Development (ORD) for bioaccessibility testing, which was conducted by Karen Bradham (ORD, Research Triangle Park, NC). After collecting weights for the soils, the soils were blended and spread out in drying trays. The trays containing the soil were placed in an air-drying oven and dried for ~ 5 days at < 40 ºC and sample weights were collected subsequent to air-drying. The soil was sieved to < 250 µm to maximize the quantity of soil for bioaccessibility studies. The soil was passed through a riffler five times and aliquots were collected in pre-cleaned 250 mL high-density polyethylene bottles. Soil samples will be retained pending possible speciation analysis. Karen Bradham will discuss results in this report with Ed Hathaway to determine if speciation results would be beneficial and if so, which samples should be selected for analysis.

In vitro bioaccessibility assays (IVBA) have been developed to measure the extent of Pb solublization in simulated gastrointestinal fluids. To date, this method has not been validated for Co, Cu, Fe, and As against an appropriate in vivo animal model as required by USEPA guidance (USEPA 2007). The Co, Cu, Fe, and As IVBA values provided in this report are reported as methods development research values only. However, Bradham et al., have publishing findings showing a strong correlation between As IVBA values and As in vivo animal assays (2011).

The soil samples were extracted according to EPA Method 9200.2-86 *Standard Operating Procedure for an In Vitro Bioaccessibility Assay for Lead in Soil* dated April 2012 with the following exception: duplicate extractions of each soil sample were conducted (duplicate samples are only required once per batch according to EPA Method 9200.2-86). Since solublization is usually required for absorption across membranes, poorly soluble forms of metals, with low bioaccessibility, may also have low bioavailability. Bioaccessible Pb (along with screening for Cu, Co, Fe, and As) was determined using the USEPA Method 9200.86-2 (see attached). In vitro assays included addition of 1 g test soil to 100 mL gastric fluid consisting of 0.4 M glycine at pH 1.5 in a 125-mL high-density polyethylene bottle and rotated end-over-end in a water bath at 37°C for 1 hr. All samples were extracted in duplicate. Quality control standards, including reagent blanks, blanks spikes, sample matrix spikes, and NIST 2710A SRM, are included with each batch (12 bottles per batch) and the values are reported in Table 4. All QCs were within acceptable limits with the exception of Soil EM7, which had a high replicate standard deviation. This soil has been re-extracted and the QCs were within acceptable limits. The values are reported in Table 2.

Total soil element concentrations (Cu, Co, Fe, As, and Pb) were determined by microwave digestion in accordance with USEPA SW-Method 3051 with inorganic concentration analysis by Inductively Coupled Plasma-Atomic Emissions Spectroscopy in accordance with USEPA SW-Method 6010C. The QC values for the microwave digestions are included in Table 3 and all QC values were within acceptable limits. In vitro extraction solutions and microwave digests were refrigerated at 4°C for preservation until analysis by ICP-OES. Quality control standards for the ICP-OES were included with all analyses as described in USEPA SW-846 Method 6010C.

Soil concentration results from the microwave assisted digestion are listed in Table 1 as ppm (mg/kg). The bioaccessibility testing values are listed in Table 2 as a percentage of the totals listed in Table 1.

The following calculation was used for the IVBA:

$$IVBA\ Pb\ bioaccessibility\ (\%) = \left(\frac{in\ vitro\ Pb\ concentration}{total\ Pb\ soil\ concentration}\right) x\ 100$$

Where:

%IVBA = concentration Pb extracted by USEPA Method 9200.2-86 during the in vitro assay
Total Pb = concentration of soil Pb extracted by USEPA Method 3051

References:

USEPA 2007. Guidance for Evaluating the Oral Bioavailability of Metals in Soils for Use in Human Health Risk Assessment http://www.epa.gov/superfund/bioavailability/bio_guidance.pdf

Bradham, K. D.; Scheckel, K. G.; Nelson, C. M.; Seales, P. E.; Lee, G. E.; Hughes, M. F.; Miller, B. W.; Yeow, A.; Gilmore, T.; Harper, S.; Thomas, D. J. Relative bioavailability and bioaccessibility and speciation of arsenic in contaminated soils. *Environ. Health Perspect.* 2011, *119*, 1629-1634.

Table 1. Total soil element concentrations determined by microwave digestion in accordance with EPA Method 3051 with analysis by ICP-OES in accordance with EPA method 6010C.

	Total [soil] (mg/kg)									
Soil ID	**As**	**± S.D.**	**Co**	**± S.D.**	**Cu**	**± S.D.**	**Fe**	**± S.D.**	**Pb**	**± S.D.**
EM 1	0.3*	0.9	24.8	5.1	695.6	123.2	188503	43264	2151.9	303.0
EM 2	1.9*	0.5	32.3	7.5	853.5	167.1	186885	44572	641.4	105.0
EM 3	5.8*	0.4	8.7*	0.3	470.5	2.4	134994	2245	187.3	5.0
EM 4	4.7*	0.3	8.7*	0.9	824.8	178.8	123913	13900	62.3	14.2
EM 5	101.0	1.3	13.3	0.1	2807.2	127.1	290487	2724	217.8	9.5
EM 6	34.1	1.3	20.6	0.5	2514.1	204.5	254932	672	174.8	2.2
EM 7	1.9*	0.8	34.7	4.4	714.7	84.9	78095	10174	25.3	2.5
EM 8	7.3*	0.9	27.2	0.1	5168.7	4.0	286293	5369	94.1	2.7
EM 9	1.7*	0.9	54.1	0.1	2347.1	115.0	79782	1033	45.5	0.3
EM 10	ND	--	23.3	0.8	1619.4	89.1	139755	2705	38.9	2.3
EM 11	1.0*	0.9	19.2	0.5	1190.5	20.3	91169	2114	40.1	1.5
EM 12	8.5*	0.3	48.8	1.6	3117.4	14.4	58033	1531	52.2	0.0
EM 13	2.9*	0.4	27.4	0.1	1998.3	57.7	31454	1132	19.4	0.9
EM 14	1.8*	0.5	22.4	3.6	706.4	93.7	24550	3205	11.7	0.9
EM 15	6.6*	0.6	12.3	0.6	1454.6	107.8	152613	11845	172.5	10.6
EM 16	2.6*	1.1	12.9	1.1	1192.7	71.3	52519	5724	31.2	1.3
EM 17	2.6*	1.8	12.8	7.3	405.6	221.5	34922	19499	13.4*	6.3
EM 18	0.3*	0.6	21.0	5.5	2848.0	590.1	118803	17243	47.2	10.1
EM 19	4.2*	0.8	19.1	1.2	966.9	75.7	152734	15506	41.3	2.0
EM 20	3.8*	0.1	9.1*	1.2	432.9	49.3	96394	12728	46.6	4.6
EM 21	ND	--	33.2	3.8	3073.6	218.2	152799	19351	15.3	1.9
EM 22	ND	--	32.5	0.9	1328.2	111.0	147872	4944	16.6	1.0
EM 23	0.5*	0.5	37.6	3.7	649.6	68.6	66936	7538	11.7	0.8
EM 24	1.0*	1.0	44.4	5.5	1386.1	133.5	63686	7720	19.5	1.4
EM 25	0.8*	0.4	24.6	0.5	1084.7	38.2	99741	2887	23.6	0.4
EM 26	0.4*	0.2	12.8	0.1	836.1	12.6	103080	2835	23.4	0.9

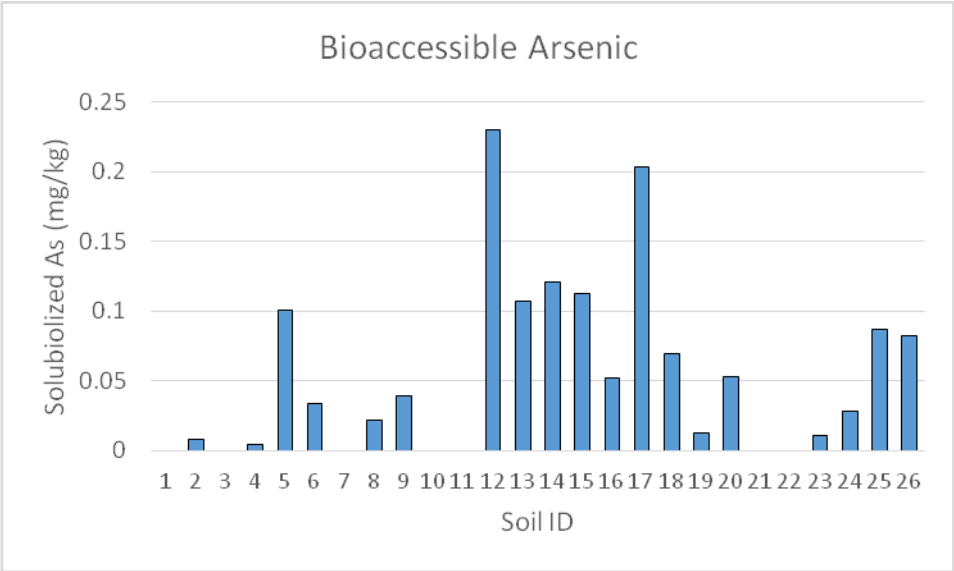
* Values are estimates because ICP-OES raw values were below method reporting limits of 10 ppb for As and Co.
ND = not detected

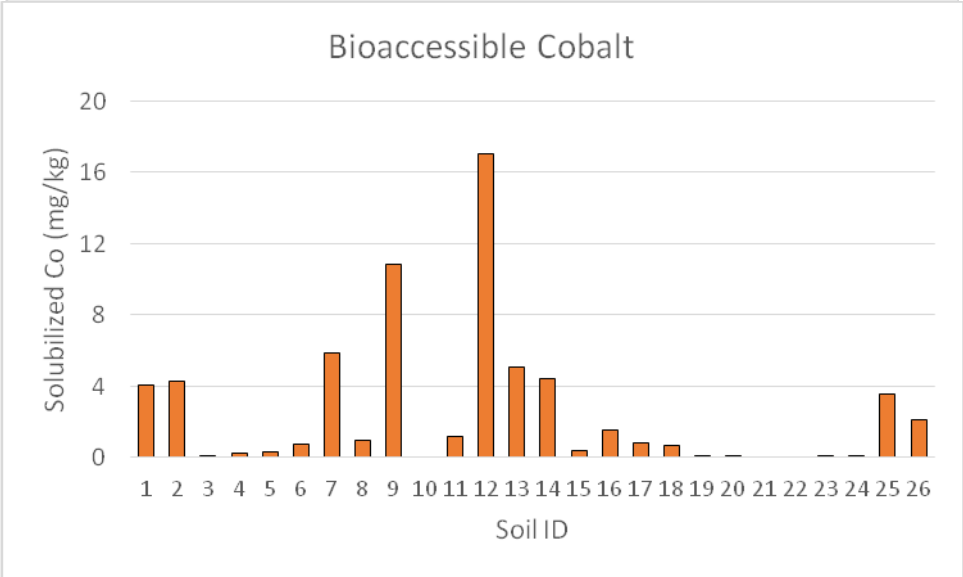
Table 2. In Vitro Bioaccessibility (IVBA) determined using EPA method 9200.2-86 standard operating procedure (developed and validated for Pb only) with analysis by ICP-MS in accordance with EPA method 6020.

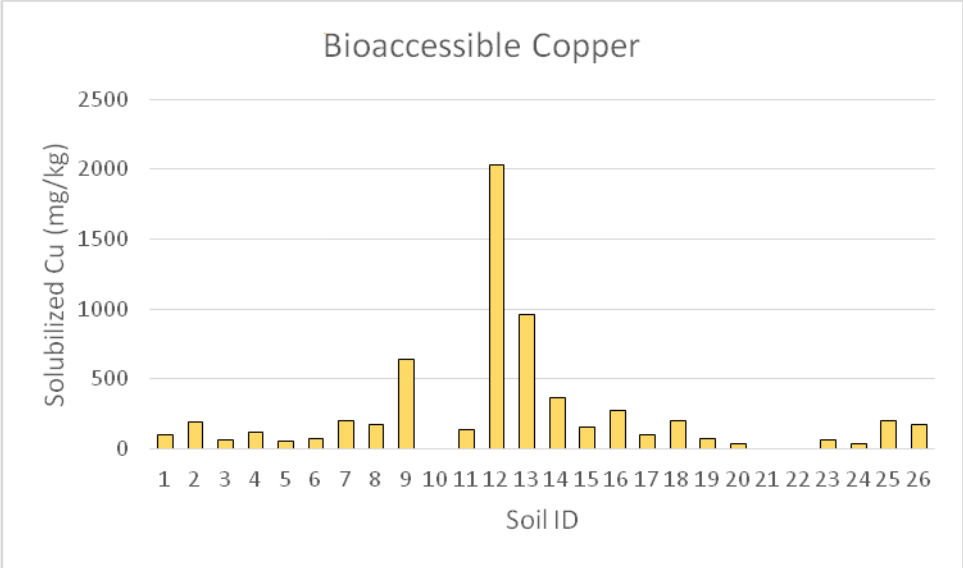
	IVBA (%)									
Soil ID	**As**	**± S.D.**	**Co**	**± S.D.**	**Cu**	**± S.D.**	**Fe**	**± S.D.**	**Pb**	**± S.D.**
EM 1	0.0*	0.0	16.5	0.7	13.6	0.4	0.5	0.0	24.2	1.2
EM 2	0.4*	0.6	13.2	0.3	22.2	0.2	0.7	0.0	12.3	0.4
EM 3	0.0*	0.0	1.2*	0.0	13.4	0.1	0.8	0.0	13.4	0.2
EM 4	0.1*	0.1	2.6*	0.0	14.2	0.5	1.4	0.0	10.9	0.8
EM 5	0.1*	0.0	2.5*	0.0	2.0	0.0	0.3	0.0	5.7	0.2
EM 6	0.1*	0.0	3.6*	0.0	2.8	0.1	0.4	0.0	4.9	0.3
EM 7	0.0*	0.0	16.9	1.1	28.4	0.2	1.0	0.4	21.8	1.7
EM 8	0.3*	0.5	3.5*	1.5	3.4	1.1	0.5	0.1	3.9	4.2
EM 9	2.3*	3.2	20.0	0.1	27.2	0.4	2.3	0.0	34.0	0.8
EM 10	NA	--	12.1	0.0	12.2	1.1	0.7	0.0	13.6	0.5
EM 11	0.0*	0.0	6.2*	0.1	11.2	0.1	1.1	0.0	16.2	0.5
EM 12	2.7*	0.6	34.9	0.3	65.2	0.2	2.9	0.0	20.9	0.9
EM 13	3.7*	1.0	18.4	0.2	48.1	0.1	2.0	0.0	28.6	0.7
EM 14	6.7*	2.9	19.8	0.2	50.9	0.1	2.6	0.0	45.3	2.0
EM 15	1.7*	2.2	3.2*	0.7	10.7	1.7	0.5	0.1	34.6	3.5
EM 16	2.0*	1.7	12.0*	0.3	22.5	0.8	1.7	0.0	15.4	0.0
EM 17	7.8*	4.7	6.5*	0.2	23.2	0.7	2.7	0.1	34.2	0.9
EM 18	23.0*	11.9	3.3*	0.4	7.1	0.8	0.5	0.1	5.5	0.6
EM 19	0.3*	0.2	0.3*	0.1	7.0	0.9	0.5	0.1	12.4	1.8
EM 20	1.4*	2.0	0.5*	0.0	8.6	0.3	0.8	0.0	13.9	1.2
EM 21	NA	--	2.9*	0.4	3.4	0.5	0.7	0.1	33.6	4.9
EM 22	NA	--	2.3*	0.5	17.2	3.6	0.5	0.1	16.5	5.2
EM 23	2.0*	2.8	0.1*	0.0	9.6	0.3	1.1	0.0	39.9	0.2
EM 24	2.8*	4.0	0.1*	0.0	2.4	0.1	0.9	0.0	29.9	0.4
EM 25	10.8*	14.9	14.4	0.1	18.2	0.1	1.5	0.0	22.4	0.2
EM 26	20.5*	17.3	16.3*	0.2	20.5	0.1	3.2	0.0	12.0	0.2

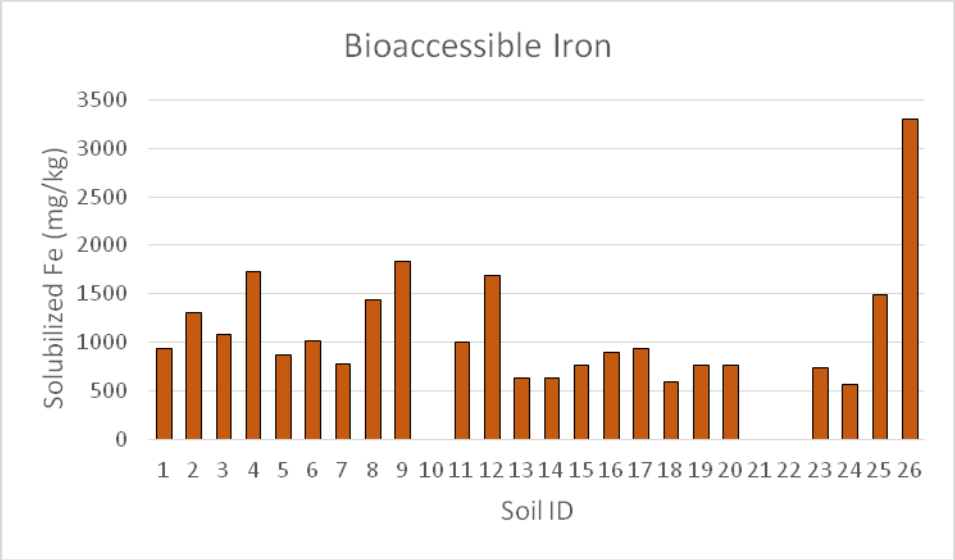
* Values are estimates because ICP-MS raw values were below method reporting limits of 2.5 ppb for As and Co.
NA – Values are listed as NA because total soil As concentrations were below instrument detection limits.

Figures 1. Concentration (per mass basis) of As, Co, Cu, Fe and Pb in mg/kg extracted using IVBA method (USEPA Method 9200.2-86).






Bioaccessible Copper
Solubilized Cu (mg/kg)
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Soil ID


Bioaccessible Iron
Solubilized Fe (mg/kg)
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Soil ID

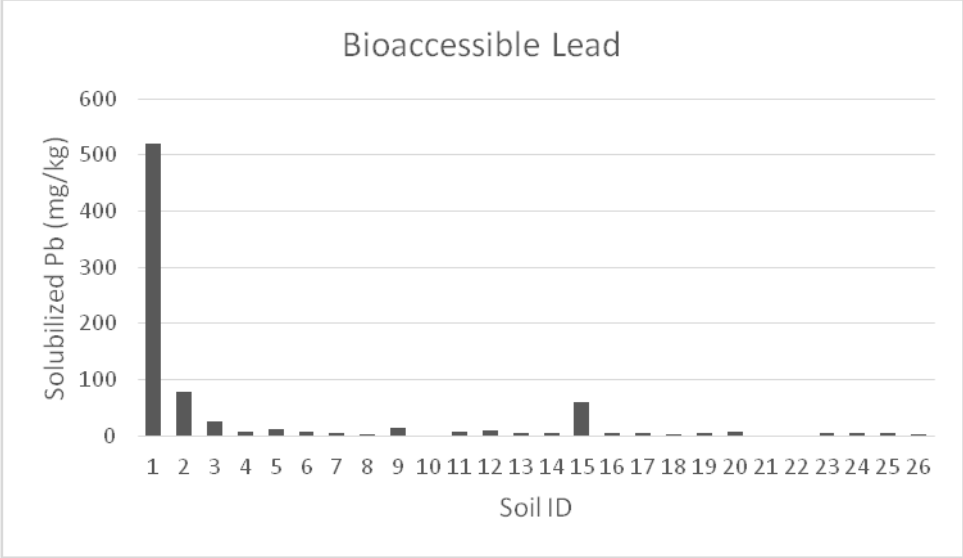

Bioaccessible Lead
Solubilized Pb (mg/kg)
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Soil ID

Table 3. QA/QC summary for 3051 soil totals determination

QC	Limit*	frequency	As	Co	Cu	Fe	Pb
bottle blank	< 50 µg/L	once per batch	0 µg/L	0 µg/L	0 µg/L	0 µg/L	0 µg/L
blank spike	85 – 115 % recovery	once per batch	92 – 97 %	95 – 101 %	109 – 113 %	111 – 119 %	98 – 103 %
Control soil (NIST 2710A)	Expected percent recoveries vary by element**	once per batch	70 – 97 %	52 – 85 %	72 – 106 %	56 – 91 %	73 – 102 %

***** EPA method 3051 does not define specific QC limits. Limits defined here have been set by EPA RTP bioavailability lab.

** Average percent recoveries of elements are listed in Table 4 of the NIST 2710A certificate: As = 92% ; Co = 64% ; Cu = 95% ; Fe = 79% ; Pb = 93%. Observed recoveries were considered to be within reasonable range of average expected recoveries.

Table 4. QA/QC summary for IVBA extractions

QC	Limit*	frequency	As	Co	Cu	Fe	Pb	Pass (Y/N)?
reagent blank	< 25 µg/L	once per batch	0 – 1 ppb	0 ppb	3 – 9 ppb	0 – 10 ppb	0 – 11 ppb	Yes
bottle blank	< 50 µg/L	once per batch	0 ppb	0 ppb	6 - 11 ppb	1 – 10 ppb	0 – 1 ppb	Yes
blank spike	85 – 115 % recovery	once per batch	100 – 106 %	93 – 99 %	99 – 107 %	106 – 112 %	96 – 102 %	Yes
matrix spike	75 – 125 % recovery	once per batch	9 – 81 %	94 – 105 %	98 – 131 %	93 – 112 %	90 – 109 %	Yes for all elements except As**
duplicate sample	< 20 % standard deviation	each soil	0 – 17 % S.D.	0 –2 % S.D.	0 – 4 % S.D.	0 – 1 % S.D.	0 – 5 % S.D.	Yes
Control soil (NIST 2710A)	85 – 115 % recovery	once per batch	98 – 104 %	88 – 110 %	96 – 107 %	97 – 106 %	92 – 107 %	Yes

* Limit values have been modified from Method 9200.2-86 to account for additional elements (beyond Pb) being reported

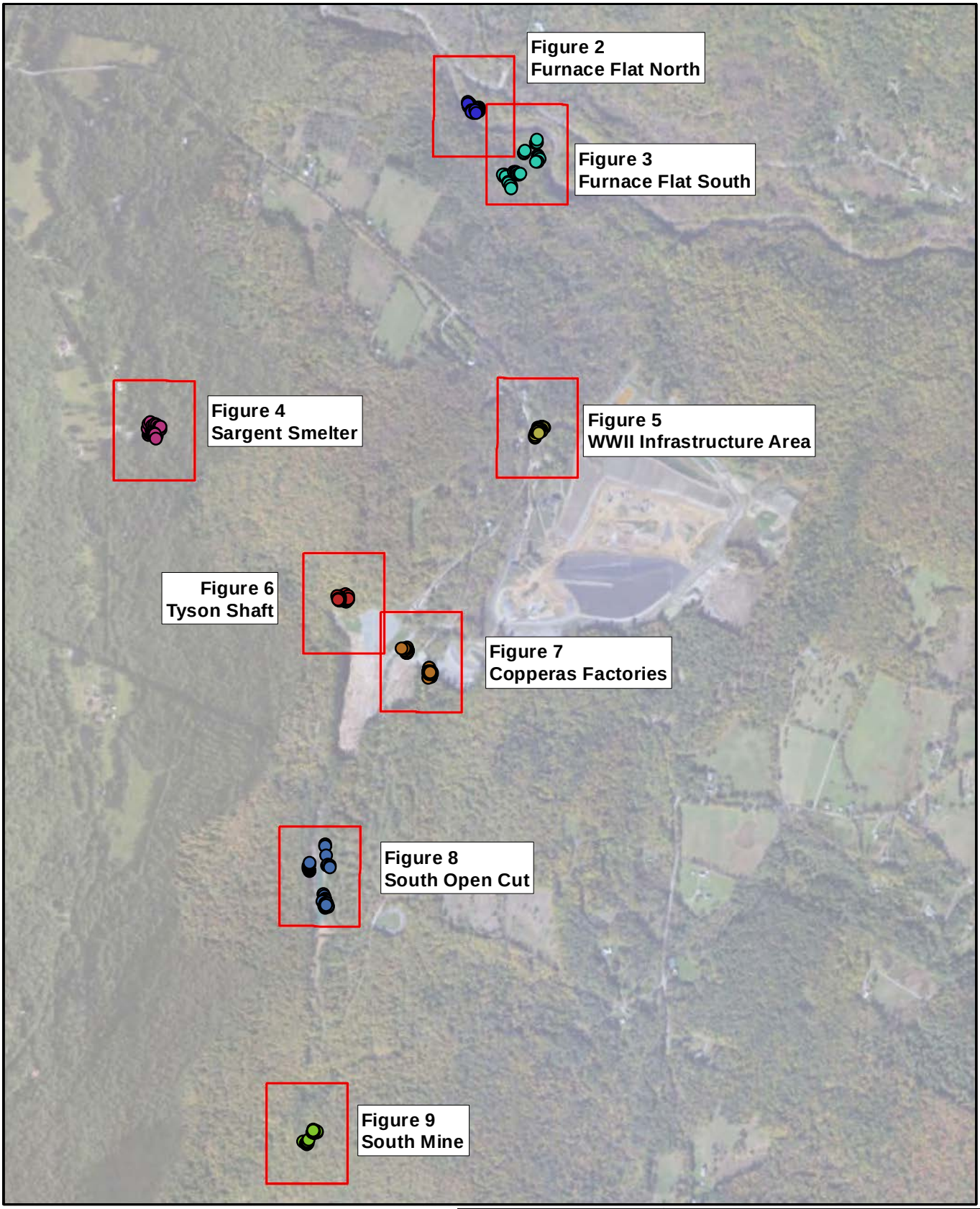
** Low As matrix spike recoveries is consistent with observations in our lab for soils high in Fe and/or Al. Spiked As is likely sorbing onto Fe and/or Al, resulting in low matrix spike recoveries.

Soil ID	EPA data mg/kg	soil conc mg/kg As	BA% As	EPA data mg/kg	soil conc mg/kg Co	BA% Co	EPA data mg/kg	soil conc mg/kg Cu	BA% Cu	EPA data mg/kg	soil conc mg/kg Fe	BA% Fe	EPA data mg/kg	soil conc mg/kg Pb	BA% Pb	
EM 1		0.30	0.00		24.80	16.50	753.00	695.60	13.60	193,000.00	188,503.00	0.50	1,860.00	2,151.90	24.20	Copperas Factories (roasted ore and lead residue)
EM 2		1.90	0.40		32.30	13.20	959.00	853.50	22.20	174,545.00	186,885.00	0.70	536.00	641.40	12.30	
EM 3		5.80	0.00		8.70	1.20	665.00	470.50	13.40	144,000.00	134,994.00	0.80	151.00	187.30	13.40	
EM 4		4.70	0.10		8.70	2.60	1,009.00	824.80	14.20	129,125.00	123,913.00	1.40	43.00	62.30	10.90	
CF average		3.18	0.13		18.63	8.38	846.50	711.10	15.85	160,167.50	158,573.75	0.85	647.50	760.73	15.20	
EM 5	67.00	101.00	0.10		13.30	2.50	2,716.00	2,807.20	2.00	212,222.00	290,487.00	0.30	131.00	217.80	5.70	Tyson Shaft (waste rock)
EM 6	33.00	34.10	0.10		20.60	3.60	2,478.00	2,514.10	2.80	202,500.00	254,932.00	0.40	97.00	174.80	4.90	
EM 7		1.90	0.00	29.00	34.70	16.90	1,354.00	714.70	28.40	82,000.00	78,095.00	1.00	21.00	25.30	21.80	
EM 8		7.30	0.30		27.20	3.50	6,080.00	5,168.70	3.40	24,000.00	286,293.00	0.50		94.10	3.90	
TS average		36.08	0.13		23.95	6.63	3,157.00	2,801.18	9.15	130,180.50	227,451.75	0.55	83.00	128.00	9.08	
EM 9		1.70	2.30	40.00	54.10	20.00	2,128.00	2,347.10	27.20	62,100.00	79,782.00	2.30	33.00	45.50	34.00	WWII Building Area (waste rock)
EM 10		ND	NA		23.30	12.10	1,553.00	1,619.40	12.20	117,000.00	139,755.00	0.70		38.90	13.60	
EM 11		1.00	0.00	14.00	19.20	6.20	997.00	1,190.50	11.20	73,556.00	91,169.00	1.10	30.00	40.10	16.20	
WWII average					32.20	12.77	1,559.33	1,719.00	16.87	84,218.67	103,568.67	1.37		41.50	21.27	
EM 12		8.50	2.70	117.00	48.80	34.90	4,967.00	3,117.40	65.20	125,667.00	58,033.00	2.90		52.20	20.90	Sargent Smelter (slag)
EM 13		2.90	2.70	30.00	27.40	18.40	1,825.00	1,998.30	48.10	32,000.00	31,454.00	2.00		19.40	28.60	
EM 14		1.80	6.70	22.00	22.40	19.80	760.00	706.40	50.90	24,909.00	24,550.00	2.60	11.00	11.70	45.30	
SS average		4.40	4.03	56.33	32.87	24.37	2,517.33	1,940.70	54.73	60,858.67	38,012.33	2.50		27.77	31.60	
EM 15		6.60	1.70	35.00	12.30	3.20	2,009.00	1,454.60	10.70	168,333.00	152,613.00	0.50	129.00	172.50	34.60	Furnace Flats South (roast beds)
EM 16		2.60	2.00	22.00	12.90	12.00	1,577.00	1,192.70	22.50	74,769.00	52,519.00	1.70	29.00	31.20	15.40	
EM 17		2.60	7.80	13.00	12.80	6.50	620.00	405.60	23.20	48,727.00	34,922.00	2.70	16.00	13.40	34.20	
FFS average		3.93	3.83	23.33	12.67	7.23	1,402.00	1,017.63	18.80	97,276.33	80,018.00	1.63	58.00	72.37	28.07	
EM 18		0.30	23.00		21.00	3.30	5,908.00	2,848.00	7.10	125,083.00	118,803.00	0.50		47.20	5.50	Furnace Flats North (roast beds)
EM 19		4.20	0.30		19.10	0.30	932.00	966.90	7.00	131,000.00	152,734.00	0.50		41.30	12.40	
EM 20		3.80	1.40		9.10	0.50	516.00	432.90	8.60	126,400.00	96,394.00	0.80	60.00	46.60	13.90	
FFN average		2.77	8.23		16.40	1.37	2,452.00	1,415.93	7.57	127,494.33	122,643.67	0.60		45.03	10.60	
EM 21		ND	NA		33.20	2.90	3,369.00	3,073.60	3.40	127,000.00	152,799.00	0.70		15.30	33.60	South Open Cut (waste rock)
EM 22		ND	NA		32.50	2.30	1,246.00	1,328.20	17.20	105,692.00	147,872.00	0.50		16.60	16.50	
EM 23		0.50	2.00	33.00	37.60	0.10	632.00	649.60	9.60	53,667.00	66,936.00	1.10		11.70	39.90	
SOC average					34.43	1.77	1,749.00	1,683.80	10.07	95,453.00	122,535.67	0.77		14.53	30.00	
EM 24		1.00	2.80	53.00	44.40	0.10	1,773.00	1,386.10	2.40	78,091.00	63,686.00	0.90	21.00	19.50	29.90	South Mine (waste rock)
EM 25		0.80	10.80	22.00	24.60	14.40	1,317.00	1,084.70	18.20	96,454.00	99,741.00	1.50	20.00	23.60	22.40	
EM 26		0.40	20.50		12.80	16.30	1,104.00	836.10	20.50	121,454.00	103,080.00	3.20	22.00	23.40	12.00	
South Mine average		0.73	11.37		27.27	10.27	1,398.00	1,102.30	13.70	98,666.33	88,835.67	1.87	21.00	22.17	21.43	
Overall average			3.80		24.53	8.71	1,894.12	1,564.89	17.75	109,742.08	123,497.85	1.22		162.50	22.31	

Appendix G

Data in support of Elizabeth Mine Five-Year Review

FIGURES



0 500 1,000 2,000
Feet
1 inch = 1,667 feet

N

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-1 A

SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR Technical Data\GIS\Figures\A1_08_EMines_Overview.mxd Date Printed: 3/13/2014

0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

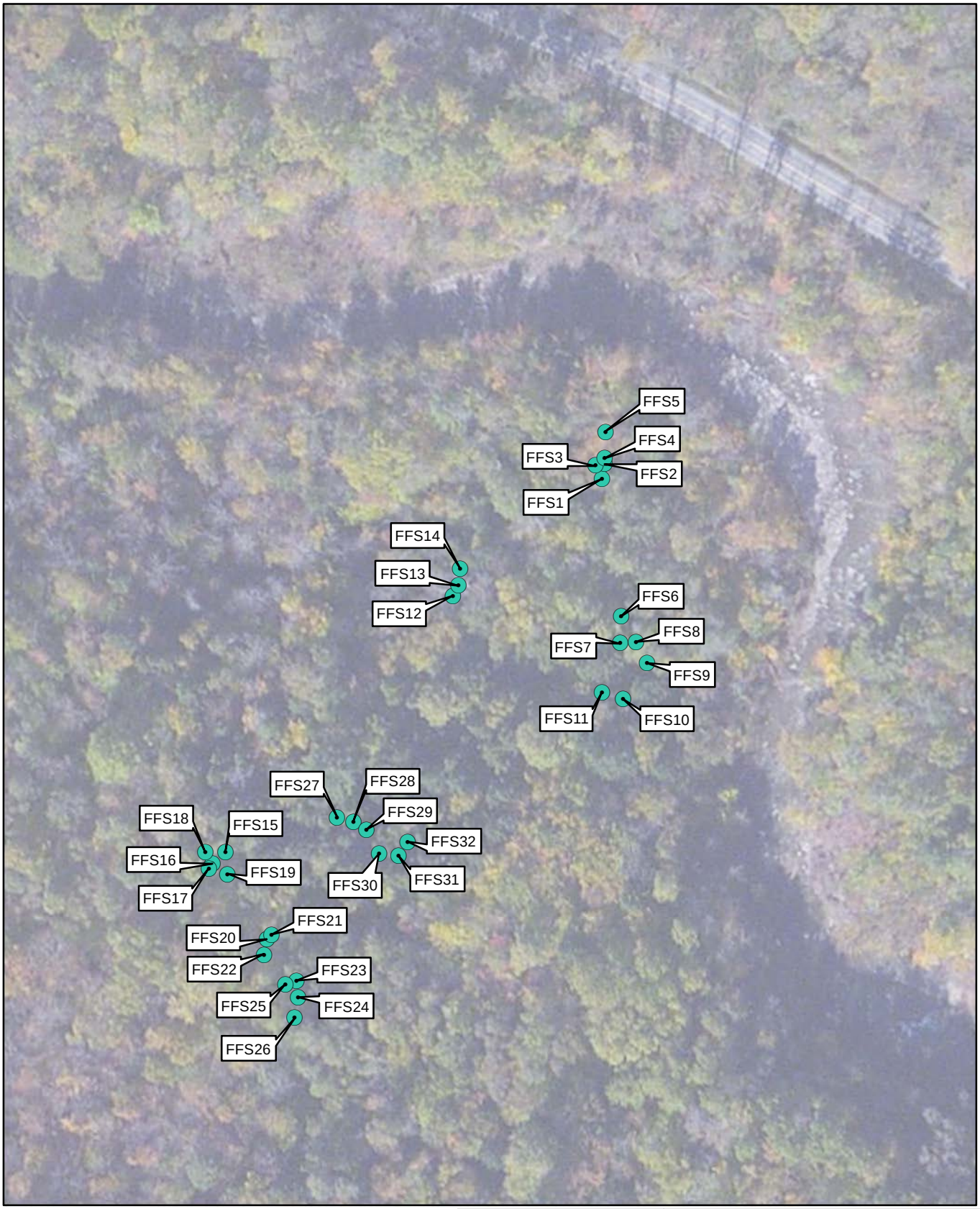
Client-Focused, Employee-Owned

FIGURE 6-2 A

FURNACE FLAT NORTH
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014FF

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_09_EMines_Furnace_Flat_North.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

Client-Focused, Employee-Owned

FIGURE 6-3 A

FURNACE FLAT SOUTH
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014F

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_10_EMines_Furnace_Flat_South.mxd **Date Printed:** 3/13/2014

0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

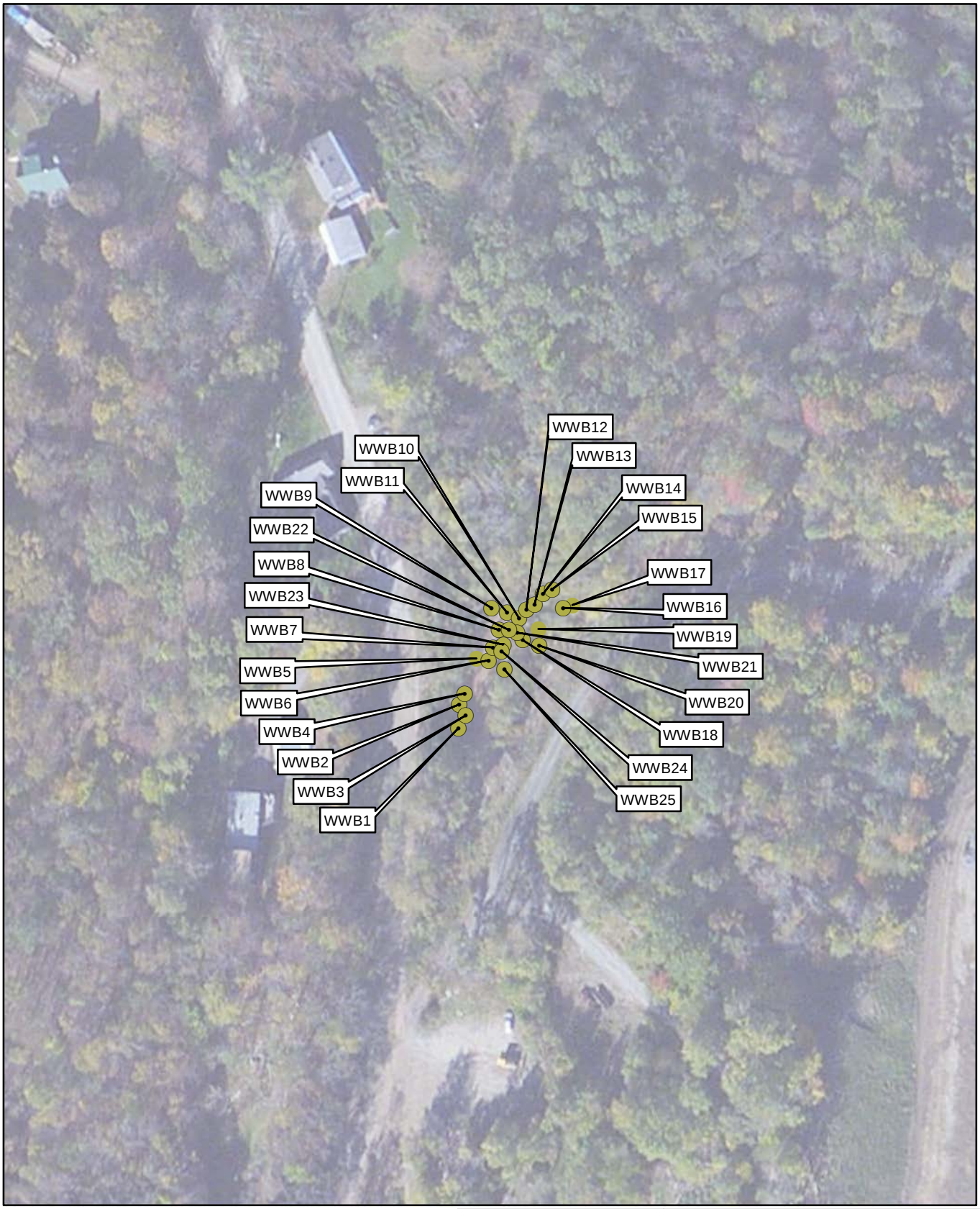
Client-Focused, Employee-Owned

FIGURE 6-4 A

SARGENT SMELTER
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_11_EMines_Sargent_Smelter.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

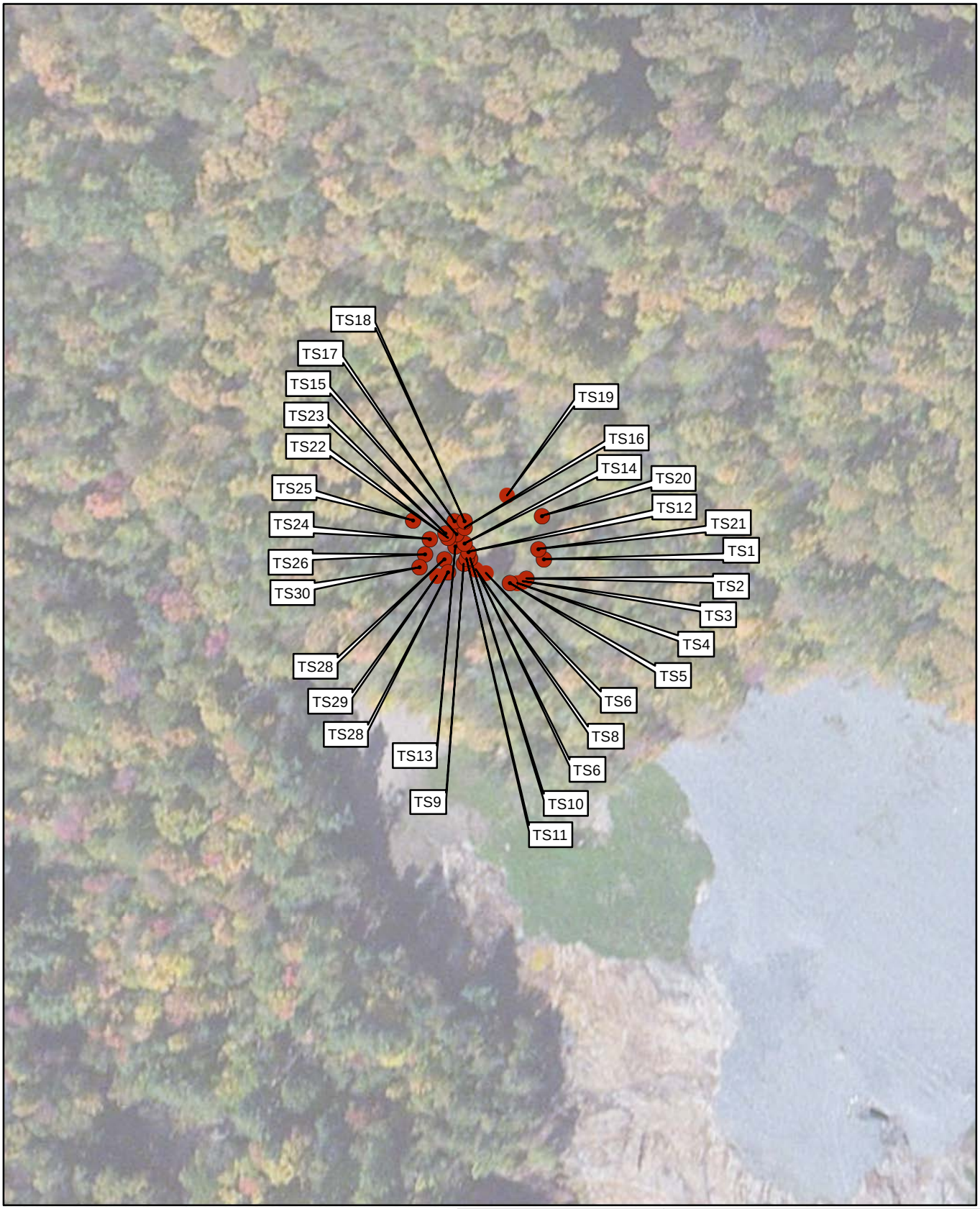
Client-Focused, Employee-Owned

FIGURE 6-5 A

WWII INFRASTRUCTURE AREA
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_12_EMines_WWII_Infrastructure.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

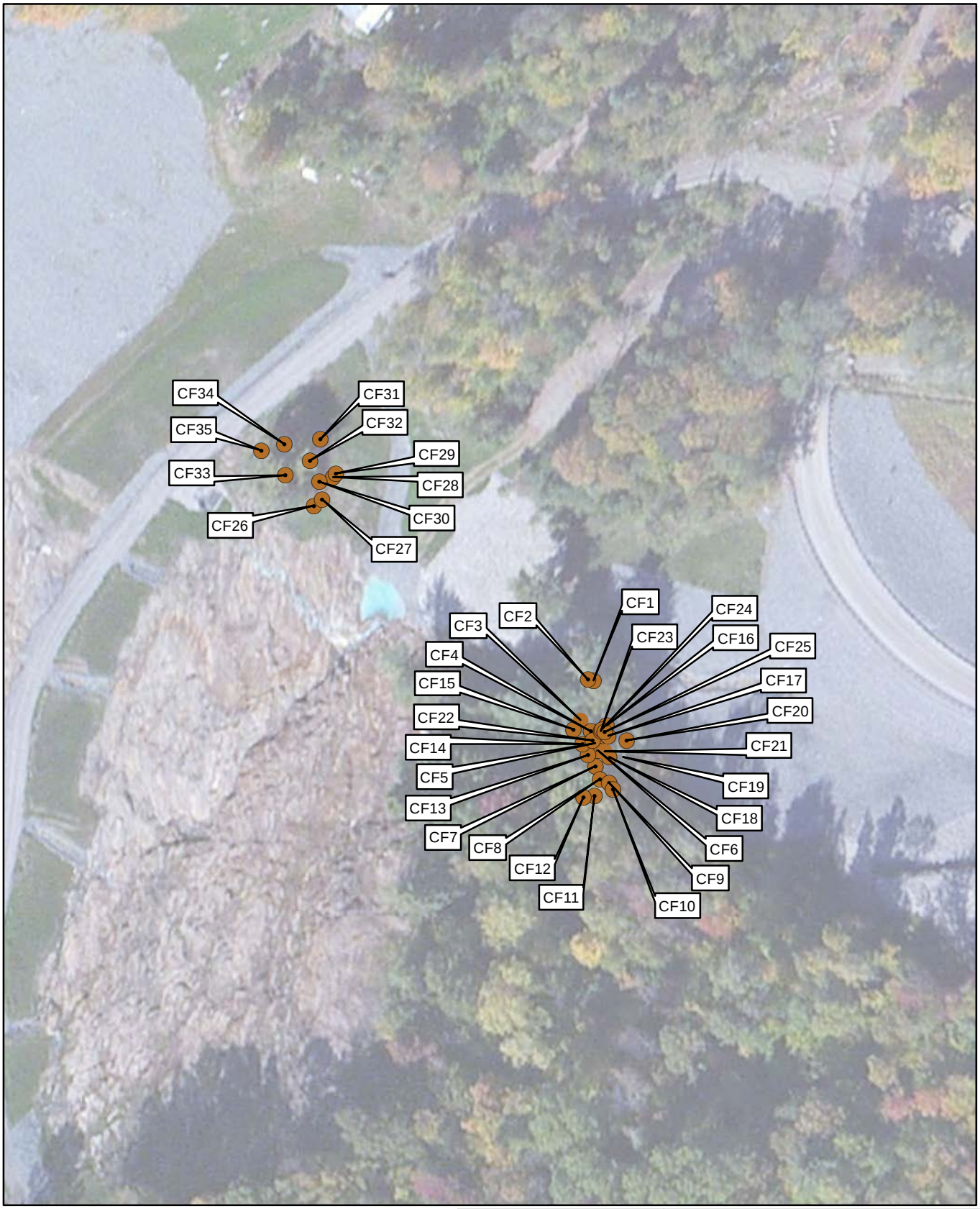
Client-Focused, Employee-Owned

FIGURE 6-6 A

TYSON SHAFT
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_13_EMines_Tyson_Shaft.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

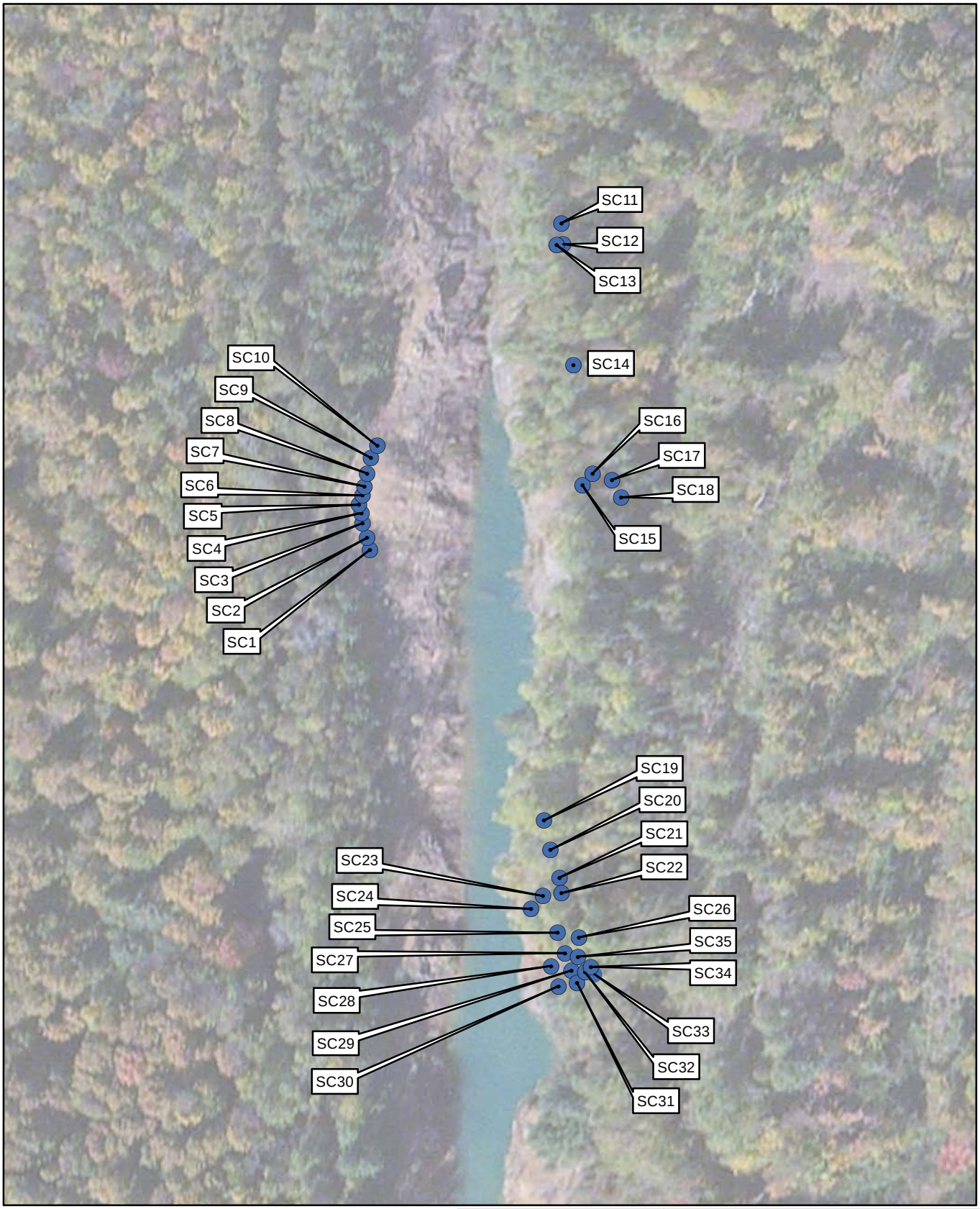
Client-Focused, Employee-Owned

FIGURE 6-7 A

COPPERAS FACTORIES
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_14_EMines_Copperas_Factories.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

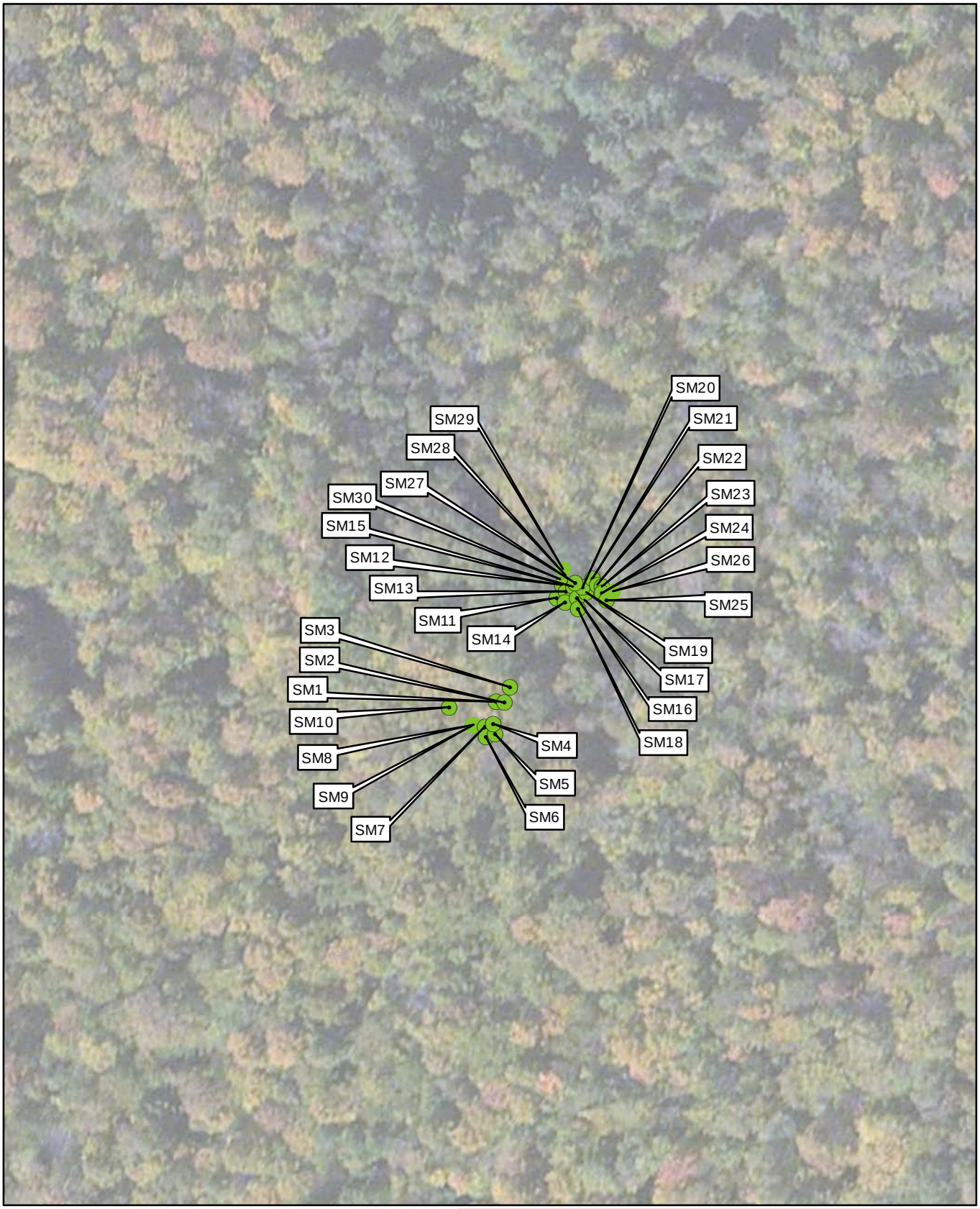
Client-Focused, Employee-Owned

FIGURE 6-8 A

SOUTH OPEN CUT
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_15_EMines_South_Open_Cut.mxd **Date Printed:** 3/13/2014



0 25 50 100

Feet

1 inch = 100 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

Client-Focused, Employee-Owned

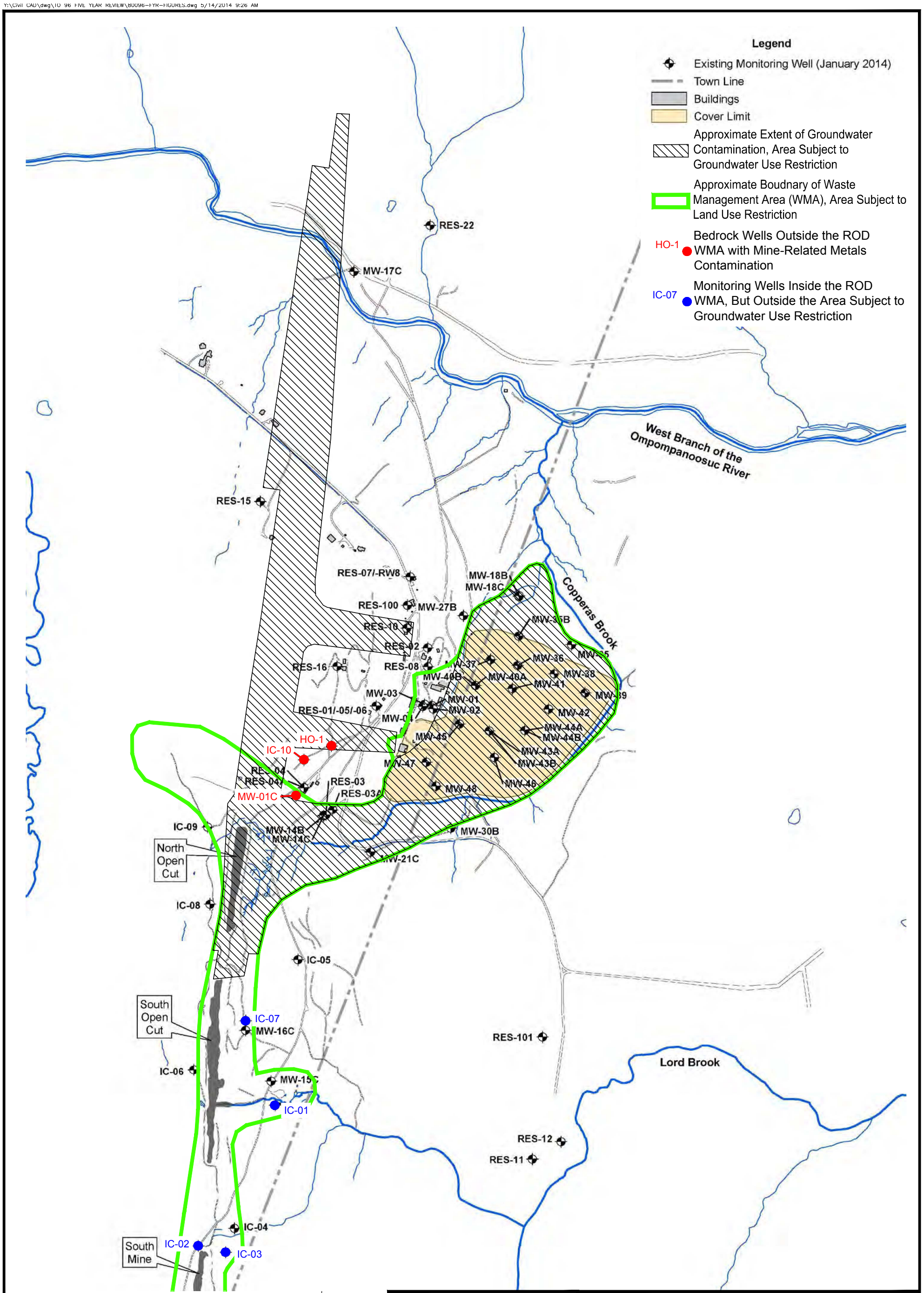
FIGURE 6-9 A

SOUTH MINE
SOIL SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: MARCH 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Att_16_EMines_South_Mine.mxd **Date Printed:** 3/13/2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/14/2014 9:26 AM

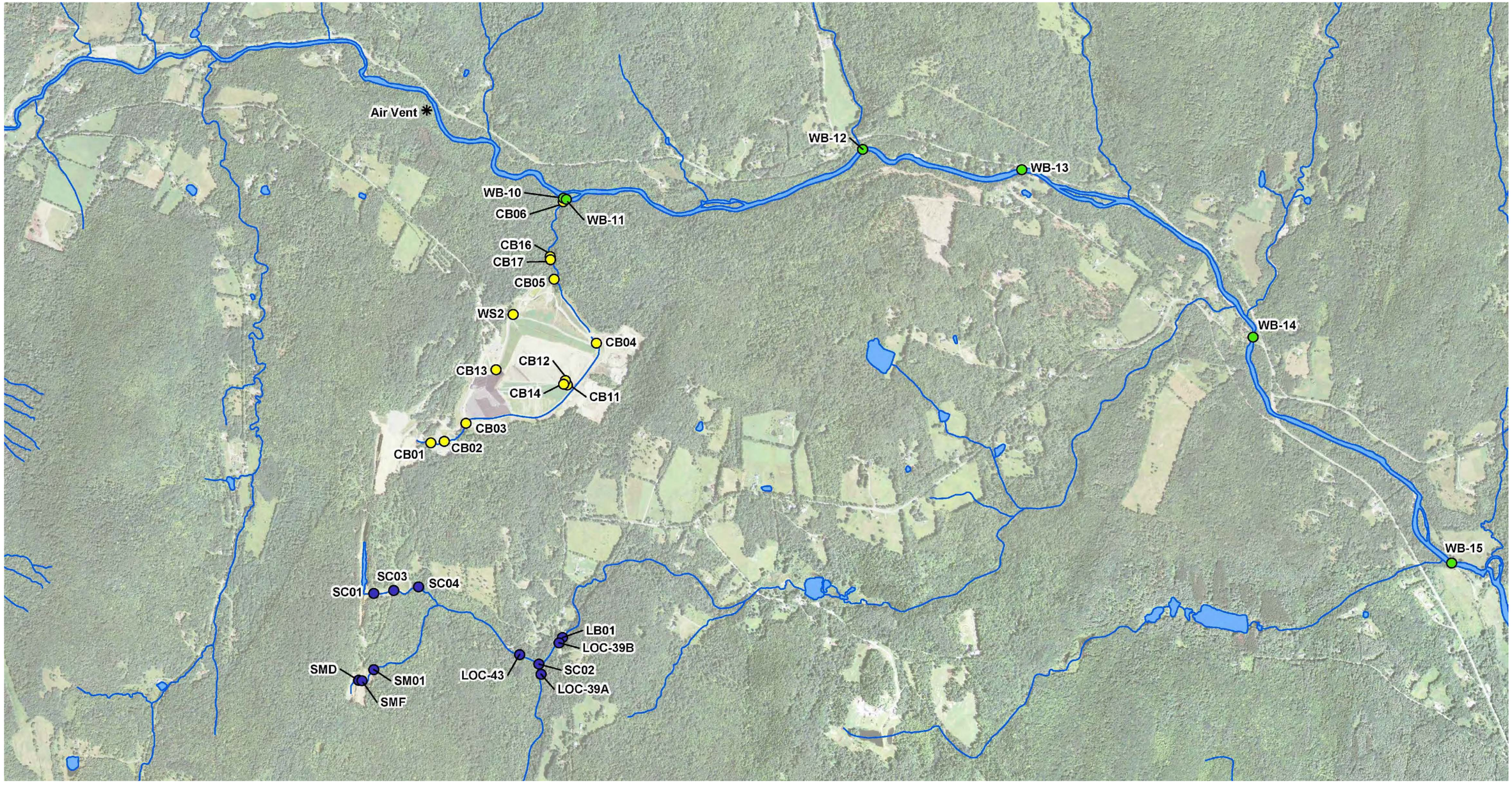


Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-10

GROUNDWATER MONITORING LOCATIONS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY: BK	APPROVED BY: AB
PROJECT NO. 80096.06	DATE: MAY 2014



LEGEND

- LORD BROOK AND TRIBUTARIES
- COPPERAS BROOK
- WEST BRANCH OF OMPOMPANOOSUC RIVER

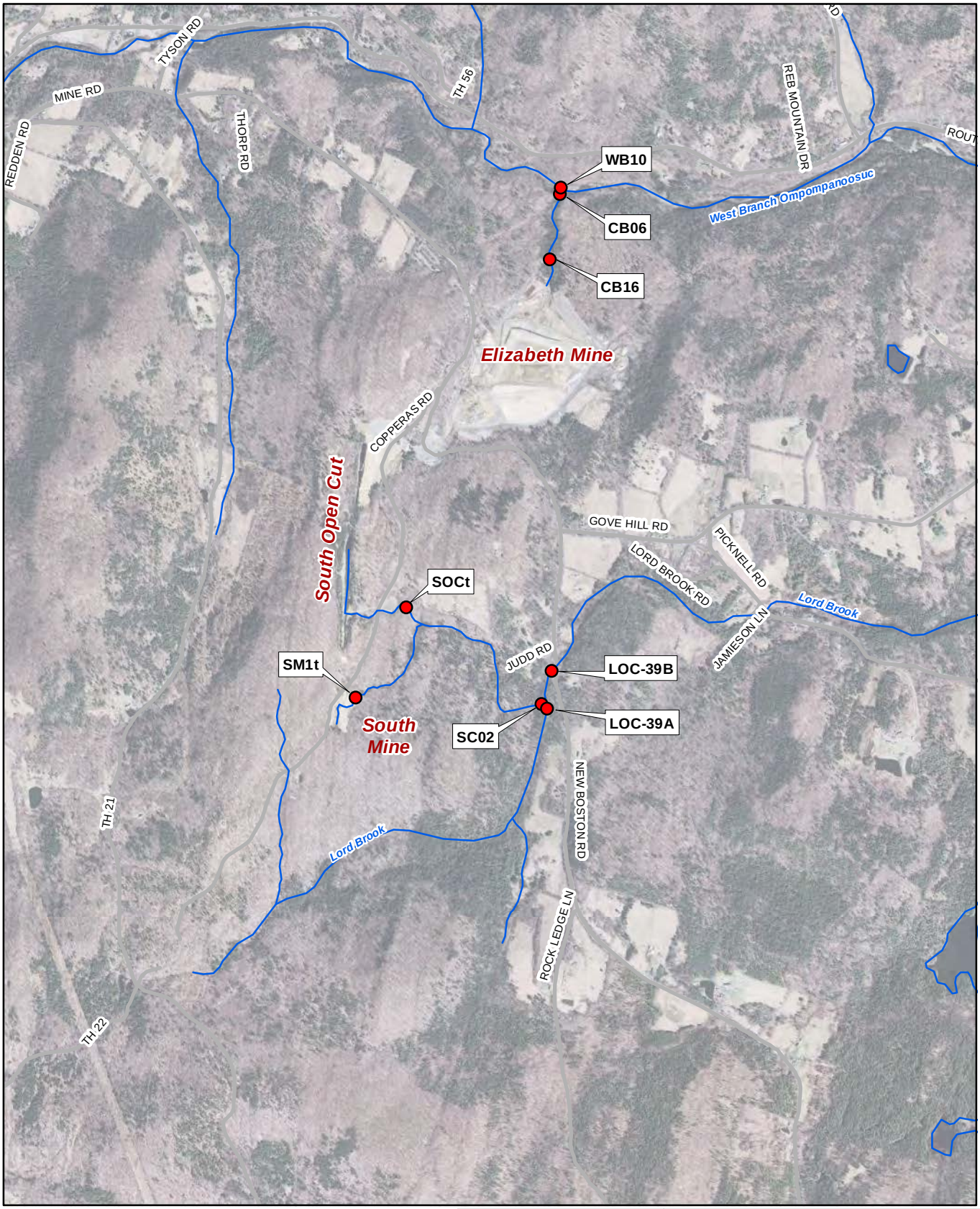
0 1,500' 3,000'
GRAPHIC SCALE

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-11
SURFACE WATER MONITORING LOCATIONS
ELIZABETH MINE
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

DRAWN BY: BK	APPROVED BY: AB
PROJECT NO. 80096.06	DATE: MAY 2014

Y:\Civil CAD\dwg\TO 96 FIVE YEAR REVIEW\80096-FYR-FIGURES.dwg 5/14/2014 9:33 AM



0 500 1,000 2,000

Feet

1 inch = 2,000 feet

N

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com

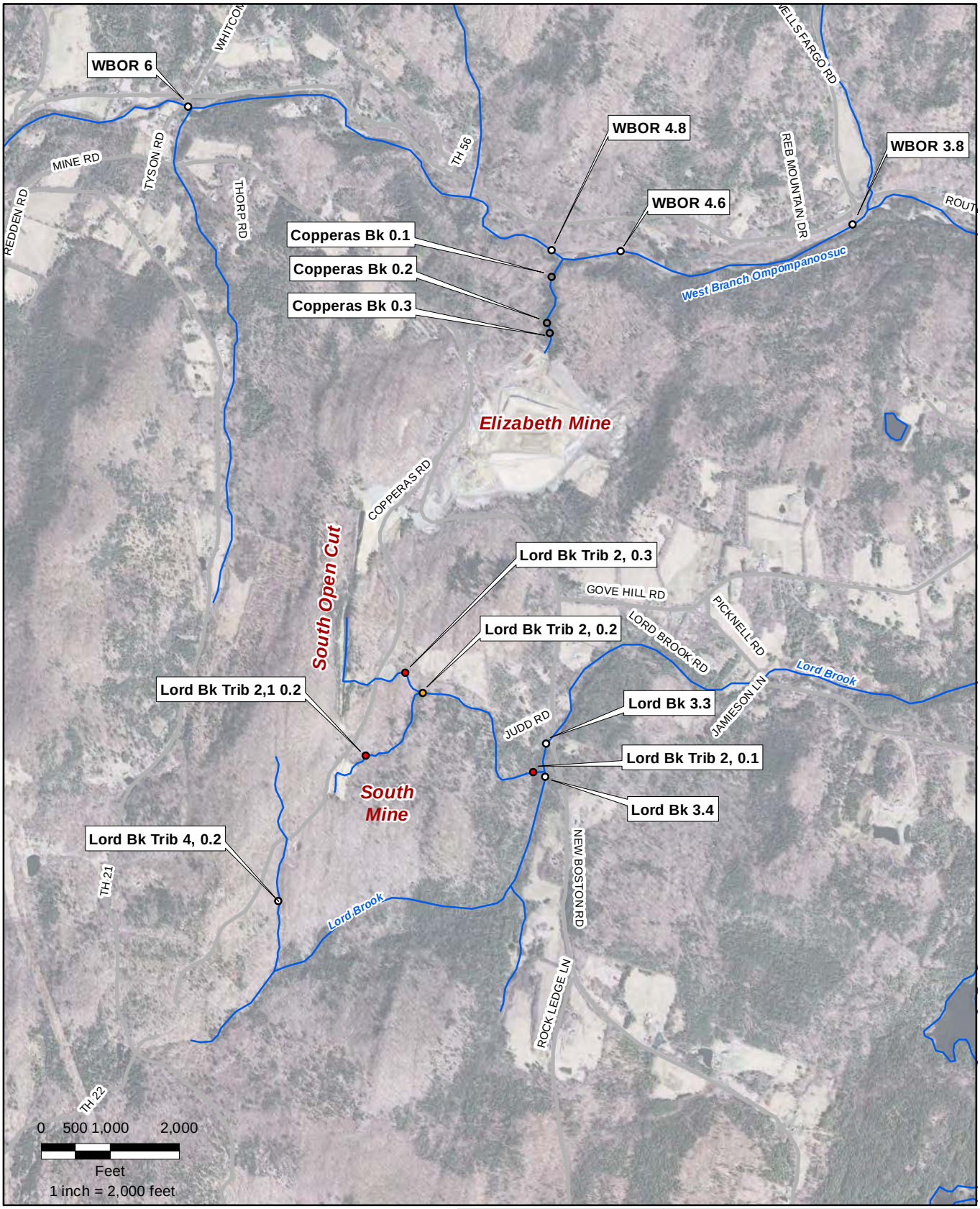
Client-Focused, Employee-Owned

FIGURE 6-12

2013 SEDIMENT SAMPLE AND TOXICITY TESTING LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: APRIL 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Sediment_Sample_Tox_Test.mxd Date Printed: 5/20/2014



Legend

- Site Meets Class B WQ Standards
- Site Impaired: Macroinvertebrates
- Site Impaired: WQ
- Other Locations

N

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord,NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 6-13

2013 BIOLOGICAL ASSESSMENT
SAMPLE LOCATIONS
ELIZABETH MINES
FIVE YEAR REVIEW
SOUTH STRAFFORD, VERMONT

PREPARED BY: JH	CHECKED BY: AB
PROJECT NO. 80096.05	DATE: APRIL 2014

Path: R:\80000 Task Orders\80096 Elizabeth Mine FYR\Technical Data\GIS\Figures\Biological_Assessment.mxd Date Printed: 5/20/2014

2013 SOIL SAMPLE LABORATORY DATA

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9700	11		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	58.2	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	94.7	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	55.9	0.8		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	60.9	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6340	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	71.8	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	103	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	88.4	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12100	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	85.4	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3070	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	287	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	58.8	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	162	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	34.6	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	113	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	58.7	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	138	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	101	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	93.5	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	94.2	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	100	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	101	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	98.8	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.5	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	98.7	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	104	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	103	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	97.3	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	99.6	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	101	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	98.8	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	X	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	94.3	3.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	96.5	1.0		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	X	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	95.1	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	99.0	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	97.2	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1010	11		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	935	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	942	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	403	0.80		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	494	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	995	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	987	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1040	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1030	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	973	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	9960	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1010	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	988	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	X	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	943	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	193	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	X	10		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	951	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	990	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	972	2.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	20.7	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.3	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	362	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.5	4.80		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	59.1	6.00		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	125	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	160	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1220	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1310	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	762	12.0		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	120	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	60.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	104	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	21.4	6.00		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	60.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	99.5	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	127	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1490	12.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	66		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12	J1	11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	270	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	10	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6300	60		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	28	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	63	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	24		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1200	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3300	60		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	710	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	60		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	60		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	30	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1400	12		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	20.7	6.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.3	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	92.0	20		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	101	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	98.2	0.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	97.0	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	97.0	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	R	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	R	1.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	96.0	4.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	ND	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	104	3.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	107	1.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	ND	500		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	99.5	2.5		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	97.0	5.0		11/4/2013	11/12/2013
13110016	CF4	AB44852	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	R	6.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	8400	110		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	200	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	640	100	J3	11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	640	20		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	40		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	970	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	920	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	150	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	40		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	330	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3.6	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	0	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	33	500		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	3.1	1.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	3.1	2.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	5.4	10		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	3.0	1.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13	500		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	0	1.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	500		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	500		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.1	5.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	3.0	6.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	8100	110		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	200	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	460	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	33	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	660	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	40		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	1000	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	810	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	150	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	40		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	100		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	20		11/4/2013	11/12/2013
13110016	CF5	AB44853	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	340	20		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7400	86		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.3		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	720	78		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	28	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	950	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	31		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1200	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1900	78		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	150	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	31		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	26	16		11/4/2013	11/12/2013
13110016	CF6	AB44854	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	330	16		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2300	150		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	78	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	11		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	140		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	500	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	210000	56		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1300	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	610	140		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	140		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	69	56		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	140		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF7	AB44855	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	28		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1700	110		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	93	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	560	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	200000	40		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	2300	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	340	100		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	24	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	100		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	53	40		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	100		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF7D	AB44856	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	20		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1700	130		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	40	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	9.6		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	12		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	120		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	560	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	210000	48		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	290	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	260	120		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	28	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	120		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	64	48		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	12	12		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	120		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	24		11/4/2013	11/12/2013
13110016	CF8	AB44857	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	24		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7100	86		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	78	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.3		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	540	78		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	850	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	31		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	180	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3500	78		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	76	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	48	31		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	37	16		11/4/2013	11/12/2013
13110016	CF9	AB44858	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2800	86		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	43	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.3		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	98	78		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	24	16		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	740	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	31		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	790	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	470	78		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	23	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	69	31		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	11	7.8		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	78		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	60	16		11/4/2013	11/12/2013
13110016	CF11	AB44859	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	16		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	160		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	150	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	320000	60		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	3100	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1300	150		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	51	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	150		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	150		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF12	AB44860	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	30		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5600	99		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	260	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.2		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.0		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	430	90		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	39	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	280	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	36		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	810	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	400	90		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	92	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	90		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	36		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.0		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	90		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	18		11/4/2013	11/12/2013
13110016	CF16	AB44861	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	190	18		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	12000	77		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	220	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	5.6		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	11	7.0		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	15000	70		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	28	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	46	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	910	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	28		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	280	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5000	70		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	770	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	22	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.0		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	14		11/4/2013	11/12/2013
13110016	CF17	AB44862	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1100	14		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1200	160		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	990	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	250000	60		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	34	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	ND	150		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	150		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	91	60		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	150		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	30		11/4/2013	11/12/2013
13110016	CF18	AB44863	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	93	30		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6200	97		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.1		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.8		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	380	88		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	19	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	60	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	930	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	35		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	390	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2300	88		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	260	18		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	88		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	35		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	8.8		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	88		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	22	18		11/4/2013	11/12/2013
13110016	CF19	AB44864	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	610	18		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7300	54		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	210	49		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	39	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	280	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	3600	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3500	49		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	59	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	14	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	49		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.9		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	49		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	9.8		11/4/2013	11/12/2013
13110016	CF20	AB44865	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	9.8		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7100	110		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	470	98		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	26	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	36	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	39		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1400	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1500	98		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	200	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	98		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	39		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.8		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	98		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	25	20		11/4/2013	11/12/2013
13110016	CF22	AB44866	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	400	20		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	13000	77		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	270	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	5.6		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.0		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	70		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	30	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	70	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	28		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	760	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	70		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	490	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	28		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.0		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	34	14		11/4/2013	11/12/2013
13110016	CF23	AB44867	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1200	14		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7700	99		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	230	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.2		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.0		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	90		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	33	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	720	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	36		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	1000	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1300	90		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	240	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	90		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	36		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.0		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	90		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	25	18		11/4/2013	11/12/2013
13110016	CF24	AB44868	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	450	18		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9700	88		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	230	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.4		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.0		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	710	80		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	560	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	32		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	2500	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1200	80		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	80		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	32		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	8.0		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	80		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	27	16		11/4/2013	11/12/2013
13110016	CF25	AB44869	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	390	16		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	55		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	39	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	210	50		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2600	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	27	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2100	50		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	51	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	50		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	43	20		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	50		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	36	10		11/4/2013	11/12/2013
13110016	CF28	AB44870	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	10		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	X	1000		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	X	1000		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5100	77		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	67	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	5.6		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.0		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	250	70		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	26	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	28		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	120	14		11/4/2013	11/12/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2200	70		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	55	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	32	28		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.0		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	70		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	14		11/4/2013	11/12/2013
13110016	CF34	AB44871	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	14		11/4/2013	11/12/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100.0	6.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100.0	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100.0	20		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100.0	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100.0	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100.0	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100.0	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100.0	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100.0	4.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100.0	3.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100.0	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100.0	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100.0	6.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9560	11		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	34.9	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	93.7	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	161	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	53.7	0.8		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	59.2	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6160	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	69.7	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	84.3	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	11600	4.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	85.2	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3150	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	277	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	57.0	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	156	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	34.2	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	110	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56.3	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	135	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	101	20		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	95.3	6.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	95.9	1.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	101	20		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	100	0.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	100	0.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	100	1.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	100	5.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	103	2.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	107	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	99.4	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	103	500		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	104	1.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	100	4.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	92.7	3.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	98.0	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	95.8	2.5		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	100	5.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	99.0	6.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1010	11		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	953	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	959	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	1010	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.80		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	502	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1030	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1070	4.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	994	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10300	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1040	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	927	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	196	1.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	958	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	2.0		11/5/2013	11/22/2013
13110018	SC16	AB44889	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	990	2.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	10.1	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	95.6	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	227	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.5	3.14		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	49.1	3.92		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	198	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	123	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	111	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	526	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	165	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	39.2		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	99.4	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.4	3.92		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	39.2		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	95.0	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	178	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	373	7.84		11/5/2013	11/22/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	43		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.8	J1	11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.9		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	39		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	25	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	95000	16		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	39		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	430	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	66	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	39		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.9		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	39		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	86	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	280	7.8		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	10.1	6.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	95.6	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	97.0	20		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	98.8	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	98.2	0.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98.0	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	98.0	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	95.0	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	R	1.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	99.0	4.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	99.4	3.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	102	1.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	95.0	2.5		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	92.0	5.0		11/5/2013	11/14/2013
13110018	SC16	AB44889	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	93.0	6.0		11/5/2013	11/14/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	34000	33		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	160	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	45	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	64000	12		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	6.6	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	16000	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	680	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	98	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	97	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3.0	20		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	0	20		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	9.2	500		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	0	1.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	6.9	5.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	0	2.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	3.1	10		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	3.1	1.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6.1	500		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1.5	1.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	2.0	4.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.0	5.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	0	6.0		11/5/2013	11/14/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	33000	33		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3400	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	160	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	42	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	66000	12		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	6.4	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	17000	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	670	6.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	6.0		11/5/2013	11/22/2013
13110018	SC17	AB44890	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	41000	33		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	210	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3700	30		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	160	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	36	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	71000	12		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	19000	30		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	540	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	110	6.0		11/5/2013	11/22/2013
13110018	SC18	AB44891	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	6.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	22		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	140	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2100	20		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	370	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	40000	8.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.5	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	740	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	42	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	4.0		11/5/2013	11/22/2013
13110018	SC19	AB44892	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5000	20		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	53	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	38000	8.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.9	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	940	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	50	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	4.0		11/5/2013	11/22/2013
13110018	SC20	AB44893	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	4.0		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	23000	22		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	16000	20		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	60	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	57	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	38000	7.8		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.3	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	900	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	53	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	3.9		11/5/2013	11/22/2013
13110018	SC21	AB44894	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	140	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	35000	20		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	69	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	200	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	32000	7.8		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.2	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	20		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	780	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	47	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	3.9		11/5/2013	11/22/2013
13110018	SC22	AB44895	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	96	3.9		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7500	53		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	71	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.8		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.8		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	440	48		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	71	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	19		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4900	48		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	110	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	11	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	48		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	26	19		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.8		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	48		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	81	9.6		11/5/2013	11/22/2013
13110018	SC24	AB44896	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	9.6		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9400	55		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	64	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	280	50		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	92	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	20		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9000	50		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	140	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	23	20		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	10		11/5/2013	11/22/2013
13110018	SC25	AB44897	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	10		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	33		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	96	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1300	30		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	38	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	930	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	75000	12		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.5	6.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	30		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	440	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	47	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	72	6.0		11/5/2013	11/22/2013
13110018	SC26	AB44898	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	6.0		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5000	63		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	35	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.6		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.8		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	58		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	23		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4400	58		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	79	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	58		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	26	23		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.8		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	58		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	82	12		11/5/2013	11/22/2013
13110018	SC27	AB44899	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	12		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	53		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	29	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.8		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.8		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	140	48		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	60	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	10000	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	19		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5100	48		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	58	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	48		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	33	19		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	15	4.8		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	48		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98	9.6		11/5/2013	11/22/2013
13110018	SC28	AB44900	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	9.6		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	65		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	22	12		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	77	59		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	52	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1400	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	24		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	59		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	59	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	26	24		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	82	12		11/5/2013	11/22/2013
13110018	SC29	AB44901	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	12		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	8100	77		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	49	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	5.6		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.0		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	630	70		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	28		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5100	70		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	98	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	70		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	32	28		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.0		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	70		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	90	14		11/5/2013	11/22/2013
13110018	SC30	AB44902	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	14		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10000	66		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	41	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	600	60		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	24		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5200	60		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	110	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	33	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	27	24		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	6.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	84	12		11/5/2013	11/22/2013
13110018	SC31	AB44903	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	250	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	65		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	46	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	59		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	25	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	24		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	59		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	12	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99	12		11/5/2013	11/22/2013
13110018	SC1	AB44904	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	12		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	33		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	69	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	920	30		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	160	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	28	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	12		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.9	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	16000	30		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	450	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	69	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	95	6.0		11/5/2013	11/22/2013
13110018	SC2	AB44905	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	6.0		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	66		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	45	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	560	60		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2600	12		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	24		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	60		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	25	24		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	6.0		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	88	12		11/5/2013	11/22/2013
13110018	SC3	AB44906	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	12		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	8100	54		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	230	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	250	49		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1400	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5600	49		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	120	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	24	20		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.9		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	140	9.8		11/5/2013	11/22/2013
13110018	SC4	AB44907	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	90	9.8		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	44		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	54	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	390	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	160	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	16		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	230	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	93	8.0		11/5/2013	11/22/2013
13110018	SC5	AB44908	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	8.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100.0	6.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100.0	1.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100.0	20		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100.0	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100.0	5.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100.0	2.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100.0	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100.0	1.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100.0	4.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100.0	3.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100.0	2.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100.0	5.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100.0	6.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9480	11		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	38.4	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	169	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	55.4	0.8		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	60.9	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5990	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	73.1	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	105	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	85.4	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12400	4.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	90.4	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3360	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	296	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	59.3	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	159	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	35.3	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	113	2.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59.0	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	144	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	97.1	20		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	94.5	6.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	96.0	1.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	97.8	20		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	94.8	0.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	97.4	0.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	94.9	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	98.9	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	96.5	5.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	97.5	2.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	103	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	96.2	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	103	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	100	1.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	96.8	4.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	90.9	3.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	95.0	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	90.8	2.5		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	97.9	5.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	96.4	6.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	971	11		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	945	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	960	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	978	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	379	0.80		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	487	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	9490	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	989	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	965	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	975	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1030	4.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	962	2.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10300	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	968	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	909	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	190	1.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	908	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	979	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	964	2.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	28.3	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.2	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	129	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	37.8	4.80		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.8	6.00		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	109	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	8320	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	106	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	143	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	111	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	123	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	24.9	6.00		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.3	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	190	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	178	12.0		11/5/2013	11/22/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3500	66		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12	J1	11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	33	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	170	60		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	55	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	11000	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	24		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3200	60		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	47	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	34	24		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	6.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	73	12		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	28.3	6.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.2	1.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	96.0	20		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	94.5	0.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	102	0.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	95.0	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	109	5.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/5/2013	11/15/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	106	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	96.0	1.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	111	4.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	89.0	3.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	124	1.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.3	2.5		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	92.0	5.0		11/5/2013	11/15/2013
13110019	SC6	AB44909	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	105	6.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	19000	56		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	60	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	370	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	190	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2600	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	300	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	40	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	110	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5.1	20		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	1.7	20		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	7.8	500		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	0	1.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	5.1	5.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	21	2.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	7.4	10		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	NC	1.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6.9	500		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	0	1.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	5.1	4.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	0	5.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	0	6.0		11/5/2013	11/15/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	56		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	10		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	400	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	190	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	2100	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	300	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	38	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.1		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	51		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	110	10		11/5/2013	11/22/2013
13110019	SC7	AB44910	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	10		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	34000	34		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	97	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	31		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	170	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	87	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2700	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	90000	12		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	7.2	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	24000	31		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1600	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	80	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	96	6.1		11/5/2013	11/22/2013
13110019	SC8	AB44911	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	320	6.1		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	32		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	77	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	960	29		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	30	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	95000	12		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.1	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	29		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	550	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	55	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	86	5.9		11/5/2013	11/22/2013
13110019	SC9	AB44912	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	5.9		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	55		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	72	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	410	50		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2500	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	50		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	690	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	32	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	94	10		11/5/2013	11/22/2013
13110019	SC10	AB44913	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	10		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	44000	22		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2400	20		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	51	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	990	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	8.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	41	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	21000	20		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	980	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	63	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	110	4.0		11/5/2013	11/22/2013
13110019	SC11	AB44914	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	4.0		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	37000	22		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	73	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1900	20		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	79	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	520	4.1		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	34000	8.2		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	12	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	20		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	340	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	58	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	69	4.1		11/5/2013	11/22/2013
13110019	SC12	AB44915	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	45000	22		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	69	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2600	20		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	390	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	35000	8.2		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	20		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	460	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	81	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	74	4.1		11/5/2013	11/22/2013
13110019	SC13	AB44916	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	4.1		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	22		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	140	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3400	20		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	140	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	670	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	60000	7.8		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.6	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	17000	20		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	700	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	70	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	97	3.9		11/5/2013	11/22/2013
13110019	SC14	AB44917	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	3.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	25000	32		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	29		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	93	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	80000	12		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	29		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	390	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	49	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	77	5.9		11/5/2013	11/22/2013
13110019	SC15	AB44918	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	5.9		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	12000	44		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	58	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	310	40		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	190	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	10	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	680	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	16		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7200	40		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	85	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	17	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	18	16		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	8.0		11/5/2013	11/22/2013
13110019	SC32	AB44919	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	8.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	22		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2500	20		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	78	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1400	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	51000	8.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	7.6	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	790	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	72	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	73	4.0		11/5/2013	11/22/2013
13110019	SC33	AB44920	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	4.0		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	32		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	92	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1100	29		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	27	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1400	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	79000	12		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9900	29		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	320	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	38	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	75	5.9		11/5/2013	11/22/2013
13110019	SC34	AB44921	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	5.9		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	21		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	86	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	19		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	110	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	50	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	61000	7.7		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.0	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	19		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	560	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	51	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	75	3.8		11/5/2013	11/22/2013
13110019	SC35	AB44922	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	3.8		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	22		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	80	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	20		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	120	3.9		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	45	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	64000	7.8		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	7.5	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	20		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	500	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	45	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	8.7	7.8		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	84	3.9		11/5/2013	11/22/2013
13110019	SC35D	AB44923	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	3.9		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	22		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6600	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	52	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	44	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	560	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	36000	8.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.3	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	900	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	48	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	4.0		11/5/2013	11/22/2013
13110019	SC20D	AB44924	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	4.0		11/5/2013	11/22/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9700	11		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	63.7	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	95.6	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	164	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	53.2	0.8		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	59.8	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6200	20		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	71.6	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	85.5	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13600	4.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	86.2	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3120	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	303	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	57.9	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	168	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	33.1	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	114	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	60.6	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	141	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	104	20		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	95.6	6.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	97.1	1.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	98.9	20		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	98.2	0.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	101	0.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	106	500		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	101	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	98.7	5.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	103	2.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	101	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	99.2	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	102	500		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	100	1.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	99.5	4.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	100	3.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	97.0	1.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	97.7	2.5		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	100	5.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	100	6.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1040	11		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	956	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	971	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	989	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	393	0.80		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	504	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10600	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1010	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	987	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1030	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1010	4.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	992	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10200	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	995	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	194	1.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	977	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	2.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	31.2	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	103	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	115	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.4	4.00		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	51.1	5.00		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	154	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	121	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2670	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	147	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	195	10.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	104	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	125	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	25.0	5.00		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	104	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	174	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	419	10.0		11/6/2013	12/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5200	55		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10	J1	11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	15	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	380	100		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	53	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	30	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2700	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	46	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	50		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	94	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	72	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	310	10		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	31.2	6.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	103	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	98.5	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	102	0.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	101	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	91.0	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	101	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	101	1.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	104	4.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	104	3.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	125	1.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	104	2.5		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	102	5.0		11/6/2013	11/18/2013
13110020	FFS1	AB44925	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	109	6.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2800	55		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	11	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	130	100		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	28	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	10	J3	11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	10		11/6/2013	11/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	20		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	44	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1800	50		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	50	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.0	5.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	63	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	310	10	J3	11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	0	20		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	0	20		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	7.4	500		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	6.9	1.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	37	5.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	12	2.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	24	10		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	2.2	1.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	0	500		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	13	1.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.5	1.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	4.7	5.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	41	6.0		11/6/2013	11/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2800	55		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	11	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	140	50		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	30	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	32	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	45	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1800	50		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	57	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.4	5.0		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	66	10		11/6/2013	12/18/2013
13110020	FFS2	AB44926	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	470	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2100	55		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	23	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	31	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	45	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1500	50		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	45	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	22	20		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.1	5.0		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	10		11/6/2013	12/18/2013
13110020	FFS3	AB44927	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	250	10		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2600	54		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	100	98		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	26	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	42	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	52	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1800	49		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	64	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	28	20		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	7.4	4.9		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	9.8		11/6/2013	12/18/2013
13110020	FFS4	AB44928	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	380	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2300	54		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	11	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	120	98		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	28	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	810	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	78	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1100	49		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	45	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	20	20		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.4	4.9		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	9.8		11/6/2013	12/18/2013
13110020	FFS5	AB44929	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	480	9.8		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2300	53		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	9.9	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	11	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.8		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	96		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	25	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	28	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	19		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	45	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1300	48		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	43	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	48		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	39	19		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	7.3	4.8		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	48		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	9.6		11/6/2013	12/18/2013
13110020	FFS6	AB44930	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	9.6		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6300	54		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	43	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	900	98		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	42	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	59	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3800	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	20		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	650	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	49		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	140	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	10	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.0	4.9		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	9.8		11/6/2013	12/18/2013
13110020	FFS7	AB44931	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	510	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3200	54		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	17	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	130	98		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	46	9.8		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	20		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	59	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1800	49		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	64	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	25	20		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.5	4.9		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	86	9.8		11/6/2013	12/18/2013
13110020	FFS8	AB44932	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	510	9.8		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2500	55		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	15	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	100		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	33	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	37	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2000	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	20		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	58	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1500	50		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	61	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	9.1	5.0		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	69	10		11/6/2013	12/18/2013
13110020	FFS9	AB44933	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	370	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4200	55		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	28	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	170	100		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	83	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	30	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2000	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	20		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	57	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2300	50		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	83	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	25	20		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.2	5.0		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	76	10		11/6/2013	12/18/2013
13110020	FFS10	AB44934	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	530	10		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5400	77		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	5.6		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.0		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	160	140		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	88	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	28		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	51	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3900	70		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	90	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	70		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	39	28		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	11	7.0		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	70		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98	14		11/6/2013	12/18/2013
13110020	FFS11	AB44935	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	280	14		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	14000	55		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	68	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	20	5.0		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	130000	100		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	17	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	20000	20		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9500	50		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	620	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	18	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	38	10		11/6/2013	12/18/2013
13110020	FFS12	AB44936	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1100	10		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	12000	32		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	61	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.3		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	17	2.9		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	100000	58		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	21	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	500	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	14000	12		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5900	29		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	740	5.8		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	15	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	25	5.8		11/6/2013	12/18/2013
13110020	FFS13	AB44937	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	820	5.8		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	12000	33		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	53	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	22	3.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	85000	30		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	30000	12		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	22	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8400	30		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	750	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	14	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	6.0		11/6/2013	12/18/2013
13110020	FFS14	AB44938	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	790	6.0		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	32		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	6.5	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	70	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	630	29		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.0	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	720	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	84000	12		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5100	29		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	15	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	5.9		11/6/2013	12/18/2013
13110020	FFS15	AB44939	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	5.9		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1500	110		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.6		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	120	96		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	19	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	57	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3600	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	38		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	37	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	940	96		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	45	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	96		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	38		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	96		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	19		11/6/2013	12/18/2013
13110020	FFS16	AB44940	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1200	19		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1600	11		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	14	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	14	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	0.80		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	96	10		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	26	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	21	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2700	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	240000	4.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	70	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	520	10		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	17	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	36	4.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	12	1.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	6.9	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	84	2.0		11/6/2013	12/18/2013
13110020	FFS17	AB44941	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	280	2.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	19000	22		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	91	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	20		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	230	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	42000	8.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	20		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	520	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	30	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.3	4.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	4.0		11/6/2013	12/18/2013
13110020	FFS18	AB44942	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	74	4.0		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	32		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	84	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	810	29		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	37	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.0	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	68000	12		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3500	29		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	130	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	18	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	5.9		11/6/2013	12/18/2013
13110020	FFS19	AB44943	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	5.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	200		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	22		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	85	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	800	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	39	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	9.0	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	710	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	62000	7.8		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	3.9		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4000	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	140	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	21	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.5	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	3.9		11/6/2013	12/18/2013
13110020	FFS19D	AB44944	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	3.9		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10300	11		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	78.9	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	96.9	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	166	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	54.9	0.8		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	61.0	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6350	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	75.3	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	104	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	88.7	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13700	4.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	87.9	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3260	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	289	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	60.0	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	164	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	34.7	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	114	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	63.4	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	142	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	107	20		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	97.2	6.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	97.4	1.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	101	20		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	99.5	0.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	100	0.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	107	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	102	1.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	98.9	5.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	104	2.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	104	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	98.7	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	103	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	103	1.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	99.7	4.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	96.8	3.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	99.0	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	96.6	2.5		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	102	5.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	98.5	6.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1070	11		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	972	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	974	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	1010	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	398	0.80		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	501	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10700	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1020	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	989	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1040	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1040	4.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	987	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10300	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1030	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	997	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	968	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	198	1.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	966	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1020	2.0		11/6/2013	12/18/2013
13110021	FFS20	AB44945	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	985	2.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	32.3	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	172	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.4	1.57		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	49.6	1.96		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	137	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	118	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1140	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	108	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	266	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	122	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19.6		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	99.4	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.7	1.96		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19.6		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	96.9	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	143	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	257	3.92		11/6/2013	12/18/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9	J1	11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	76	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1700	39		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	38	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	31000	7.8		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	12	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7400	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	3.9		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	32.3	6.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	96.0	20		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	101	0.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	99.2	0.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	99.0	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	98.0	5.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	96.0	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	96.0	1.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	99.0	4.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	99.4	3.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	104	1.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	96.9	2.5		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99.0	5.0		11/6/2013	11/25/2013
13110021	FFS20	AB44945	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	97.0	6.0		11/6/2013	11/25/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	22		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	40		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2200	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	34000	8.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3500	20		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	81	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	11	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	41	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	210	4.0	J3	11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	0	20		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	0	20		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	0	500		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	0	1.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	6.5	5.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	8.7	2.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	3.0	10		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.1	1.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2.9	500		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	6.0	1.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	0	4.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	0	5.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	35	6.0		11/6/2013	11/25/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	22		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	20		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	15	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	8.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	23	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3400	20		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	86	4.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	11	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	41	4.0		11/6/2013	12/18/2013
13110021	FFS21	AB44946	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	4.0		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10000	22		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	4.0	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	85	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	39		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	39	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	54000	7.8		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	20		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	120	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	9.8	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	41	3.9		11/6/2013	12/18/2013
13110021	FFS22	AB44947	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	22		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	39		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	43	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	770	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	7.8		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7800	20		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	250	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	3.9		11/6/2013	12/18/2013
13110021	FFS23	AB44948	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	3.9		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	19000	21		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	89	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2100	38		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	47	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	25	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	41000	7.7		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7200	19		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	280	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	3.8		11/6/2013	12/18/2013
13110021	FFS24	AB44949	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	420	3.8		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	28		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	75	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.6		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	51		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	14	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	840	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	42000	10		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8400	26		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	150	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	26		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	10		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.6		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	26		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	5.1		11/6/2013	12/18/2013
13110021	FFS25	AB44950	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	5.1		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	22		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	82	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3200	40		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	39	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	39000	8.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7000	20		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	440	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	20	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	40	4.0		11/6/2013	12/18/2013
13110021	FFS26	AB44951	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	4.0		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	21		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	82	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4500	38		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	47	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	9.9	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	910	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	7.7		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7800	19		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	410	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	21	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	3.8		11/6/2013	12/18/2013
13110021	FFS26D	AB44952	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	90	3.8		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2200	110		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	41	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	200		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	35	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	39		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	140	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1100	98		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	49	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	39		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	10	9.8		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	29	20		11/6/2013	12/18/2013
13110021	FFS27	AB44953	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	320	20		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1400	110		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	34	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	190		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	38	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	38		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	190	19		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	520	96		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	42	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	96		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	38		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	11	9.6		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	96		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	27	19		11/6/2013	12/18/2013
13110021	FFS28	AB44954	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	390	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1700	110		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	29	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	190		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	41	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	38		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	110	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	690	96		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	42	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	96		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	37	38		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.6		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	96		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	19		11/6/2013	12/18/2013
13110021	FFS29	AB44955	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	340	19		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	27000	21		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	160	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	690	38		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	59	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	13	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	390	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	43000	7.7		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	19		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	480	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	65	3.8		11/6/2013	12/18/2013
13110021	FFS30	AB44956	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	91	3.8		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	37000	42		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	240	7.7		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	760	77		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	84	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	34	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	720	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	82000	15		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	38		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	470	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	50	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	38		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	15		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.8		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	38		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98	7.7		11/6/2013	12/18/2013
13110021	FFS31	AB44957	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	370	7.7		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	200		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	22		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1500	40		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	12	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	270	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	8.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	460	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	41	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	65	4.0		11/6/2013	12/18/2013
13110021	FFS32	AB44958	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	77	4.0		11/6/2013	12/18/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9580	11		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	45.5	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	92.8	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	160	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	52.2	0.8		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	57.9	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5990	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	69.7	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	97.3	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	83.5	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12200	4.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	84.1	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3120	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	285	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	55.8	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	157	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	33.6	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	110	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	58.2	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	135	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	99.0	20		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	94.9	6.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	95.0	1.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	96.8	20		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	95.5	0.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	96.8	0.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	99.1	500		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.4	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	95.6	5.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	101	2.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	100	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	95.4	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	101	500		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	99.5	1.5		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	96.4	4.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	96.0	3.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	95.5	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	93.1	2.5		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	98.9	5.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	95.8	6.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	990	11		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	949	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	950	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	968	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	382	0.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	484	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	9910	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	994	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	956	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1010	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	4.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	954	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10100	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	995	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	964	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	960	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	191	1.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	931	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	989	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	958	2.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	36.7	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.8	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	127	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.1	3.92		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	48.0	4.90		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	134	9.80		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	99.9	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1060	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	106	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	197	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	97.1	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	126	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	23.4	4.90		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49.0		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	179	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	206	9.80		11/4/2013	12/18/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2500	54		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8	J1	11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	28	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	49		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	730	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1800	49		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	94	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	28	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.9		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	80	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	9.8		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	36.7	6.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.8	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	99.0	20		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	97.8	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	96.0	0.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	99.0	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	99.9	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	106	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	103	1.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	97.1	4.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	98.0	3.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	117	1.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99.0	5.0		11/4/2013	11/27/2013
13110022	WWB1	AB44959	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	96.0	6.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3700	55		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	52	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	270	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	10	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	20		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	34	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2500	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	140	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	15	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	27	20		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2.7	20		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	1.9	20		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	20	500		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	15	1.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	0	2.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	0	10		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	5.7	1.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4.1	500		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	24	1.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	3.6	3.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.2	5.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	0	6.0		11/4/2013	11/27/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3800	55		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	53	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	330	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	48	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	20		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	36	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2400	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	110	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	28	20		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	63	10		11/4/2013	12/18/2013
13110022	WWB2	AB44960	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	10		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6000	54		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	52	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	250	49		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	20		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5500	49		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	99	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	28	20		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.9		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	75	9.8		11/4/2013	12/18/2013
13110022	WWB3	AB44961	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5800	54		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	200	49		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	49	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4600	49		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	97	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	23	20		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.9		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	66	9.8		11/4/2013	12/18/2013
13110022	WWB4	AB44962	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	9.8		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	33		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	71	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	30		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	95	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	640	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	80000	12		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	6.0		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	30		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	230	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	6.0		11/4/2013	12/18/2013
13110022	WWB5	AB44963	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	97	6.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	83	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	20		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	120	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	12	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	680	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	66000	8.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	18	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	240	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	5.5	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	4.0		11/4/2013	12/18/2013
13110022	WWB6	AB44964	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	4.0		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	22		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	54	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	20		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	65	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	28	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	66000	7.8		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	34	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	430	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.7	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	3.9		11/4/2013	12/18/2013
13110022	WWB7	AB44965	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	3.9		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	22		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	45	4.0		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.2	2.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4300	20		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	48	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	45	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2200	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	54000	8.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	32	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	20		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	890	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	59	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.1	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	35	4.0		11/4/2013	12/18/2013
13110022	WWB8	AB44966	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	460	4.0		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	22		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	28	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4500	20		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	43	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	42	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2500	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	54000	7.8		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	34	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	20		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	780	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.7	2.0		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	31	3.9		11/4/2013	12/18/2013
13110022	WWB9	AB44967	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	320	3.9		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	22		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	19	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	4.1	2.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5300	20		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	46	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	57	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	62000	8.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	45	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1200	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	66	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	8.1	8.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.1	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	4.0		11/4/2013	12/18/2013
13110022	WWB10	AB44968	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	650	4.0		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	21		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	35	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2900	19		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	54	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	47	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2100	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	64000	7.7		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	45	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	19		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	850	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	46	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	3.9	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	39	3.8		11/4/2013	12/18/2013
13110022	WWB11	AB44969	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	400	3.8		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	22		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	34	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.6	2.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3700	20		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	61	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	66000	8.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	41	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	760	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	61	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	4.0		11/4/2013	12/18/2013
13110022	WWB12	AB44970	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	550	4.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	33		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	31	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4400	30		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	53	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	41	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2700	6.0		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	12		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	40	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	30		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	770	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	51	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	13	12		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	38	6.0		11/4/2013	12/18/2013
13110022	WWB13	AB44971	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	490	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	33		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	24	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4000	30		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	31	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	75000	12		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	33	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	30		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	520	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	28	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	40	6.0		11/4/2013	12/18/2013
13110022	WWB14	AB44972	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	430	6.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	42	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4000	20		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	62	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	68000	8.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	27	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	380	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	22	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	4.2	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	4.0		11/4/2013	12/18/2013
13110022	WWB15	AB44973	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	250	4.0		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	13000	21		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/4/2013	12/18/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	19	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3300	19		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	46	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	12	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	980	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	69000	7.7		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7800	19		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	270	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	17	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	3.8		11/4/2013	12/18/2013
13110022	WWB16	AB44974	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	210	3.8		11/4/2013	12/18/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	12000	32		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	18	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	29		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	13	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	68000	12		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	27	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7600	29		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	250	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	17	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	31	5.9		11/4/2013	12/19/2013
13110022	WWB17	AB44975	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	5.9		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	21		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	47	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2800	19		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	62	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1700	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	62000	7.7		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	19		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	340	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/4/2013	12/19/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	3.8		11/4/2013	12/19/2013
13110022	WWB18	AB44976	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	21		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	91	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5700	19		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	80	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	35	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3000	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	63000	7.7		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	24	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	19		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	600	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	51	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.1	1.9		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	6.0	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	68	3.8		11/4/2013	12/19/2013
13110022	WWB19	AB44977	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	460	3.8		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/4/2013	12/18/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	65	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6100	20		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	63	4.0		11/4/2013	12/19/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	32	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	50000	8.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	20	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	20		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	510	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	51	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	5.8	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	4.0		11/4/2013	12/19/2013
13110022	WWB20	AB44978	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	250	4.0		11/4/2013	12/19/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10800	11		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	59.6	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	93.9	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	165	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	55.5	0.8		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	62.5	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6450	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	71.7	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	101	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	86.1	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	14500	4.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	88.6	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3450	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	298	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	59.9	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	151	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	33.5	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	112	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59.9	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	138	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	103	20		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	93.7	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	93.7	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	96.3	20		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	99.0	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	100	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	103	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.8	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	97.0	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	101	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	108	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	95.0	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	104	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	100	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	101	4.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	86.8	3.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	94.5	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	90.8	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	98.5	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	98.7	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1030	11		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	937	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	937	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	963	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	396	0.80		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	1.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10300	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	998	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	970	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1010	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1080	4.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	950	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10400	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1010	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	868	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	189	1.0		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	908	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	985	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	987	2.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	20.6	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	95.7	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	156	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	37.9	1.60		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	48.7	2.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	153	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	134	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	111	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	655	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	151	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	93.4	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	22.1	2.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20.0		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	83.6	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	144	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	357	4.00		11/4/2013	12/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	22		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0	J1	11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	66	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6800	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	62	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	35	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1700	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	55000	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	20	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	550	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	57	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.6	2.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	20.6	6.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	95.7	1.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	90.0	20		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	94.8	0.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	97.4	0.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	91.0	1.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	99.0	5.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	91.0	1.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	R	1.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	94.0	4.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	93.4	3.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	97.5	1.0		11/4/2013	11/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	83.6	2.5		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	91.0	5.0		11/4/2013	11/30/2013
13110023	WWB20D	AB44979	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	97.0	6.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	32		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	67	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2700	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	78	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	17	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	20		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	22	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	270	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.2	2.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5.4	20		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	2.9	20		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	20	500		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	1.3	1.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	5.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	8.7	2.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	9.7	10		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	1.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	0	500		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	14	1.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	0	4.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	14	1.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.6	5.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	7.4	6.0		11/4/2013	11/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	19000	32		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	69	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3300	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	79	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	5.9		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	65000	12		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	310	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.7	2.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	5.9		11/4/2013	12/30/2013
13110023	WWB21	AB44980	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	5.9		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	33		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	54	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2600	30		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	63	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	12	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	40		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	31	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	30		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	250	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	17	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	6.0		11/4/2013	12/30/2013
13110023	WWB22	AB44981	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	6.0		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	14000	43		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.9		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1300	39		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	74	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.5	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	39		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	26	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	39		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	11	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	3.9		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	7.8		11/4/2013	12/30/2013
13110023	WWB23	AB44982	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	43		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	84	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.9		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	39		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	80	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	92000	39		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	48	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	39		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	20	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.3	3.9		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	7.8		11/4/2013	12/30/2013
13110023	WWB24	AB44983	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	7.8		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	32		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	29		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	64	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	750	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	68000	20		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	28	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	29		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	330	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	31	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.4	2.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59	5.9		11/4/2013	12/30/2013
13110023	WWB25D	AB44984	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	5.9		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	32		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.3		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3000	29		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	75	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	15	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	85000	38		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	36	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	29		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	330	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	27	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	2.9		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	66	5.8		11/4/2013	12/30/2013
13110023	WWB25	AB44985	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	5.8		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	29000	34		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	50	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	31		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	130	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	46	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	72000	41		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	22	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14000	31		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1000	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	88	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	85	6.1		11/4/2013	12/30/2013
13110023	SM01	AB44986	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	680	6.1		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	34000	45		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	61	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.3		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.1		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3800	41		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	77	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2800	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	41		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	41		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1600	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	94	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	41		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	4.1		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	41		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	78	8.2		11/4/2013	12/30/2013
13110023	SM2	AB44987	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	810	8.2		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	39000	43		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.9		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4600	39		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	190	7.8		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	130	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3000	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	39		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	26	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	39		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	2200	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	120	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.9		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	39		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99	7.8		11/4/2013	12/30/2013
13110023	SM3	AB44988	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	930	7.8		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	33000	34		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	49	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	930	31		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	96	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	32	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	89000	41		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	26	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8600	31		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1100	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	46	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	80	6.1		11/4/2013	12/30/2013
13110023	SM4	AB44989	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	500	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	41000	34		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	77	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2100	31		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	140	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	40	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	92000	41		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	31	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	31		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	2000	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	64	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.5	3.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	6.1		11/4/2013	12/30/2013
13110023	SM5	AB44990	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	420	6.1		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	45		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	65	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.3		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.1		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	41		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	92	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	41		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	30	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	41		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	940	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	35	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	41		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.8	4.1		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	41		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	81	8.2		11/4/2013	12/30/2013
13110023	SM6	AB44991	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	440	8.2		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	32		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	66	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	29		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	35	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	87000	39		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	30	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9500	29		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1400	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	44	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.8	2.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	76	5.9		11/4/2013	12/30/2013
13110023	SM7	AB44992	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	410	5.9		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	28000	34		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	64	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	31		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	97	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	41		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	30	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9900	31		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	980	6.1		11/4/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	35	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.9	3.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	83	6.1		11/4/2013	12/30/2013
13110023	SM8	AB44993	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	410	6.1		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	33		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	60	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	30		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	15	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	510	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	67000	20		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	32	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7000	30		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	480	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.2	3.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	6.0		11/4/2013	12/30/2013
13110023	SM9	AB44994	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	270	6.0		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	37000	32		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	67	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	29		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	97	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	27	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	590	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	62000	20		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	29		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	670	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	58	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.4	2.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	81	5.9		11/4/2013	12/30/2013
13110023	SM10	AB44995	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	310	5.9		11/4/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	13000	32		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	39	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.3		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1100	29		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	83	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	12	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	38		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8400	29		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	270	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	27	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.6	2.9		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	62	5.8		11/5/2013	12/30/2013
13110023	SM11	AB44996	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	5.8		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	33		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	28	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	870	30		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	65	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	66000	20		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5100	30		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	370	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	6.0		11/5/2013	12/30/2013
13110023	SM12	AB44997	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	6.0		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	120	100		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	14000	110		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	38	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	990	98		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	81	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	960	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	39		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	20	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8700	98		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	310	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	39		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	65	20		11/5/2013	12/30/2013
13110023	SM13	AB44998	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	20		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10300	11		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	43.5	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	92.3	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	163	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	57.1	0.8		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	59.6	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6330	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	72.2	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	99.0	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	85.8	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13800	4.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	135	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3340	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	283	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	58.1	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	148	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	33.3	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	108	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56.7	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	136	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	101	20		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	92.2	6.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.4	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	94.2	20		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	102	0.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	98.8	0.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	97.4	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	94.9	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	102	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	109	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	94.2	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	103	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	99.1	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	100	4.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.5	3.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	92.5	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	89.6	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	96.3	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	97.4	6.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/5/2013	12/2/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1010	11		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	922	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	924	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	942	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	409	0.80		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	494	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	974	2.0		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	949	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1020	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1090	4.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	942	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10300	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	991	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	855	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	185	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	896	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	963	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	974	2.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	18.7	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	93.4	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	118	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.3	2.35		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	47.6	2.94		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	196	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	134	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1420	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	102	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	641	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	153	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29.4		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	89.6	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	24.3	2.94		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29.4		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	86.8	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	141	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	424	5.88		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	32		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9	J1	11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	24	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	29		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	37	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	98000	39		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	5.9	J4	11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8300	29		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	520	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	54	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.4	2.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	47	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	320	5.9		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	18.7	6.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	93.4	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	94.0	20		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	98.2	0.5		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	95.2	0.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98.0	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	97.0	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	91.0	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	R	1.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	99.0	4.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	89.6	3.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	94.5	1.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	86.8	2.5		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	94.0	5.0		11/5/2013	12/30/2013
13110024	SM14	AB44999	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	104	6.0		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10000	54		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	43	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	720	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	57	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	9.8	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1400	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	39		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	27	9.8	J4	11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5700	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	310	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	16	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.7	4.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	350	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9.5	20		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	13	20		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	18	500		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	3.4	1.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	15	2.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	6.9	10		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	1.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3.4	500		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	3.3	1.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	13	4.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.3	1.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.3	5.0		11/5/2013	12/2/2013
13110024	SM15	AB45000	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	15	6.0		11/5/2013	12/2/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	54		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	49	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	600	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	59	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	20		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	31	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5900	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	300	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	14	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.5	4.9		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	9.8		11/5/2013	12/30/2013
13110024	SM15	AB45000	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	9.8		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	42		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.8		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	38		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	85	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	38		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	7.7	J4	11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8700	38		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	420	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	35	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	38		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	15		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	3.8		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	38		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	62	7.7		11/5/2013	12/30/2013
13110024	SM16	AB45001	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	7.7		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	13000	54		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	43	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	710	49		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	86	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	830	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	39		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	9.8	J4	11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	49		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	220	9.8		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	18	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.6	4.9		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	72	9.8		11/5/2013	12/30/2013
13110024	SM17	AB45002	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	9.8		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	42		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	48	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.8		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	38		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	83	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	38		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.6	7.7	J4	11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	38		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	350	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	40	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	38		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	15		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	3.8		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	38		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	64	7.7		11/5/2013	12/30/2013
13110024	SM18	AB45003	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	7.7		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	13000	54		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	42	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	880	49		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	73	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	14	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	39		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	32	9.8	J4	11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7900	49		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	400	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	20	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.6	4.9		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	63	9.8		11/5/2013	12/30/2013
13110024	SM19	AB45004	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	310	9.8		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	44		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	56	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	40		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	82	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1700	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	40		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	8.0	J4	11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8800	40		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	580	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.9	4.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	62	8.0		11/5/2013	12/30/2013
13110024	SM20	AB45005	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	410	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	44		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	56	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1700	40		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	74	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	99000	16		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	8.0	J4	11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8800	40		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	530	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	4.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	58	8.0		11/5/2013	12/30/2013
13110024	SM20D	AB45006	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	420	8.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	34000	22		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	56	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	20		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	55	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	64	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2100	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	45000	20		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	4.0	J4	11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8700	20		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	930	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	69	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	4.0		11/5/2013	12/30/2013
13110024	SM21	AB45007	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	800	4.0		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	22		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	53	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	20		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	43	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	52000	20		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	4.1	J4	11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8100	20		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	720	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	53	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.5	2.0		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	4.1		11/5/2013	12/30/2013
13110024	SM22	AB45008	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	540	4.1		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	33		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	80	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	30		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	66	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	32	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	87000	40		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	20	6.0	J4	11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9300	30		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	620	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	54	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.8	3.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	55	6.0		11/5/2013	12/30/2013
13110024	SM23	AB45009	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	530	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	33		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	73	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	950	30		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	53	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	38	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	68000	20		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	6.0	J4	11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7300	30		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1500	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	40	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.3	3.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	6.0		11/5/2013	12/30/2013
13110024	SM24	AB45010	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	400	6.0		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	22		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	58	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2400	20		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	60	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	39	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	48000	20		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	3.9	J4	11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9200	20		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	990	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	59	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.4	2.0		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	47	3.9		11/5/2013	12/30/2013
13110024	SM25	AB45011	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	410	3.9		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	34		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	40	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	31		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	58	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2000	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	95000	41		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	6.1	J4	11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7700	31		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	510	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	31		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.5	3.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	31		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	6.1		11/5/2013	12/30/2013
13110024	SM26	AB45012	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	530	6.1		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9800	54		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	50	9.8		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	740	49		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	39		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	9.8	J4	11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6000	49		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	240	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	20	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	7.8	4.9		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	9.8		11/5/2013	12/30/2013
13110024	SM27	AB45013	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	320	9.8		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	55		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	45	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	640	50		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	71	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	40		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	10	J4	11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8200	50		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	200	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	13	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	9.3	5.0		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	66	10		11/5/2013	12/30/2013
13110024	SM28	AB45014	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	330	10		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	14000	32		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	53	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	830	29		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	68	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.6	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	950	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	89000	39		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	5.9	J4	11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7200	29		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	190	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	2.9		11/5/2013	12/30/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	5.9		11/5/2013	12/30/2013
13110024	SM29	AB45015	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	280	5.9		11/5/2013	12/30/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	44		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	970	40		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	93	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	40		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.2	8.0	J4	11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	40		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	280	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	38	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	4.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	69	8.0		11/5/2013	12/31/2013
13110024	SM30	AB45016	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	8.0		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	16000	42		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	61	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.1		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.8		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	910	38		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	96	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	16	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	38		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.9	7.7	J4	11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	38		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	320	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	36	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	38		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	15		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.4	3.8		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	38		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	72	7.7		11/5/2013	12/31/2013
13110024	SM30D	AB45017	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	210	7.7		11/5/2013	12/31/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/5/2013	12/2/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	42	40		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/5/2013	12/2/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	85	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3700	20		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	51	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	11	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	700	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	45000	20		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	18	3.9	J4	11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	20		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	420	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	36	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	20		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	2.5	2.0		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	20		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	3.9		11/5/2013	12/31/2013
13110024	TS1	AB45018	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	66	3.9		11/5/2013	12/31/2013
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10300	11		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	44.5	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	92.9	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	170	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	56.0	0.8		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	60.2	1.0		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6360	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	69.3	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	99.5	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	84.1	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12300	4.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	87.7	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3270	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	280	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	58.0	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	147	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	33.5	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	110	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57.9	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	136	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	99.4	20		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	92.3	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.3	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	95.4	20		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	98.5	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	99.6	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	100	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	98.7	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	95.9	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	101	2.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	98.9	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	94.1	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	97.9	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	95.4	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	101	4.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.4	3.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	93.5	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	90.0	2.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	98.6	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	98.4	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	994	11		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	923	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	923	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	954	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	394	0.80		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	498	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	987	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	959	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1010	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	989	4.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	941	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	9790	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	954	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1010	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	854	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	187	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	900	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	986	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	984	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	40.2	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	160	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	123	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.7	0.8		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	49.2	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	119	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	117	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1160	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	174	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	142	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	97.9	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	177	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	50.4	1.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	96.1	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	173	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	244	2.0		11/5/2013	1/3/2014
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2000	110		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20	J1	11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	60	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	200	100		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1700	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	240000	40		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	75	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	990	100		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	44	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	12/4/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	75	40		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	29	10		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	68	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	40.2	6.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	96.0	20		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	99.2	0.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	98.4	0.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	119	1.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	117	5.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	99.0	1.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	98.0	1.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	97.9	4.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	102	3.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	107	1.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	96.1	2.5		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	105	5.0		11/5/2013	12/4/2013
13110025	TS2	AB45019	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	104	6.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	110		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	140	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	100		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	54	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	42	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	550	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	40		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6800	100		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	260	20		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	13	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	58	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	0	20		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	7.4	20		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	0	500		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	5.7	1.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	4.9	5.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	5.6	2.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	8.7	10		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.5	1.0		11/5/2013	12/4/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4.5	500		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	0	1.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	8.0	4.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	4.7	5.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	0	6.0		11/5/2013	12/4/2013
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11000	55		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1000	50		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	51	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	40	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	520	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	20		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6500	50		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	260	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	12	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	10		11/5/2013	1/3/2014
13110025	TS3	AB45020	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	58	10		11/5/2013	1/3/2014
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9500	110		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	16	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	99	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.1		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.1		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	630	100		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	40	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	860	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	41		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	28	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5300	100		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	110	20		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	51		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	7.5	5.1		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	51		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	10		11/5/2013	12/4/2013
13110025	TS4	AB45021	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	54	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	110		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	10		11/5/2013	12/4/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	100		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	83	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	70000	40		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8100	100		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	530	20		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	35	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	10		11/5/2013	12/4/2013
13110025	TS5	AB45022	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	10		11/5/2013	12/4/2013
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4100	110		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.2		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	310	100		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	340	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	41		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1900	100		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	44	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	41		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	20		11/5/2013	1/3/2014
13110025	TS6	AB45023	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5100	110		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	43	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	94	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.1		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.1		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	170	100		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	30	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	11000	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	41		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	61	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3800	100		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	53	20		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	51		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	55	20		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	13	5.1		11/5/2013	12/4/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	51		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	40	10		11/5/2013	12/4/2013
13110025	TS7	AB45024	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	660	110		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	10	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	7300	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	40		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	62	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	140	100		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	67	20		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	17	5.0		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	10		11/5/2013	12/4/2013
13110025	TS8	AB45025	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	88	10		11/5/2013	12/4/2013
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	620	110		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	56	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	98		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	39		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	75	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	110	98		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	140	39		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	29	9.8		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS9	AB45026	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	91	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	820	110		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	68	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.2		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	6600	20		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	41		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	39	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	160	100		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	41		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20	10		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS10	AB45027	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	98	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1900	110		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	25	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	23	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	130	100	B	11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	240000	40		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	120	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	800	100		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	50	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	86	40		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	25	10		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	20		11/5/2013	1/3/2014
13110025	TS11	AB45028	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1200	110		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	67	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.2		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	270000	41		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	68	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	310	100		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	41	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	89	41		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	28	10		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	20		11/5/2013	1/3/2014
13110025	TS12	AB45029	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1400	110		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	34	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	860	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	270000	40		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	88	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	530	100		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	49	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	70	40		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	27	10		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	20		11/5/2013	1/3/2014
13110025	TS13	AB45030	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	20		11/5/2013	1/3/2014
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	680	110		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	52	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	40		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	140	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	220	100		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	23	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	92	40		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	23	10		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	20		11/5/2013	12/4/2013
13110025	TS14	AB45031	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	40	20		11/5/2013	12/4/2013
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1200	110		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	26	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	25	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1800	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	250000	40		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	93	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	400	100		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	47	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	69	40		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	30	10		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	41	20		11/5/2013	1/3/2014
13110025	TS15	AB45032	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6700	110		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.2		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	210	100		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	31	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	27	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	7400	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	280000	41		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	79	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5300	100		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	120	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	71	41		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	30	10		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	140	20		11/5/2013	1/3/2014
13110025	TS16	AB45033	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	20		11/5/2013	1/3/2014
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1400	110		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	49	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	21	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	250000	40		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	97	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	510	100		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	61	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	110	40		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	35	10		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	20		11/5/2013	12/4/2013
13110025	TS17	AB45034	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	20		11/5/2013	12/4/2013
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10000	110		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	48	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	660	100		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	88	20		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	4400	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	40		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	71	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	100		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	180	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	40		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	18	10		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	20		11/5/2013	1/3/2014
13110025	TS18	AB45035	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	20		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	29000	33		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2700	30		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	54	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	13	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	91	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	31000	12		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	10000	30		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	790	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	41	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	6.0		11/5/2013	1/3/2014
13110025	TS19	AB45036	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	85	6.0		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	26000	32		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2500	29		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	14	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	200	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	26000	12		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	10	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	29		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	630	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	43	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	47	5.9		11/5/2013	1/3/2014
13110025	TS20	AB45037	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	61	5.9		11/5/2013	1/3/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	140	100		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	ND	40		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	27000	32		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2400	29		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	49	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	15	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	230	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	28000	12		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	12	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	29		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	680	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	44	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	5.9		11/5/2013	1/3/2014
13110025	TS20D	AB45038	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	66	5.9		11/5/2013	1/3/2014
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/5/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11300	11		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	45.8	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.8	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	181	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	58.1	0.8		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	63.6	1.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6740	10		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	74.1	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	106	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	88.1	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13600	4.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	92.5	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3550	10		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	295	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	61.3	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	153	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	36.2	1.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	117	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	60.0	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	143	2.0		11/5/2013	1/10/2014
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	101	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	92.0	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.8	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	95.1	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	97.0	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	99.2	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.1	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	95.9	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	98.6	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	110	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	94.3	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	101	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	98.1	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	100	4.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.5	3.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	93.0	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	90.2	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	98.8	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	97.8	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/5/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1010	11		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	920	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	928	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	951	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	388	0.80		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	496	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	991	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	959	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	986	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1100	4.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	943	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10100	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	981	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	855	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	186	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	902	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	988	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	978	2.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	21.2	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	186	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.9	2.40		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.8	3.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	147	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	116	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	196	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	118	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	606	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	143	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	93.6	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	22.2	3.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.6	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	148	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	166	6.00		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	26000	33		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0	J1	11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	90	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/5/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	30		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	49	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	14	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	93	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	28000	12		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	30		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	500	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	43	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	69	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	21.2	6.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	96.0	20		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	99.8	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	102	0.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98.0	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	102	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	103	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	97.0	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	R	1.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	93.6	3.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	111	1.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.6	2.5		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	96.0	5.0		11/5/2013	12/9/2013
13110026	TS21	AB45039	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	97.0	6.0		11/5/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	910	110		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	59	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	540	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	210000	39		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	160	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	150	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	33	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	94	39		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	25	9.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	34	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	93	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4.5	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	5.2	1.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	NC	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	NC	500		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	NC	1.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	7.7	2.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	4.9	10		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	0	1.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	14	500		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	9.5	1.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	6.6	3.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.3	1.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.0	5.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	5.5	6.0		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	870	110		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	56	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	500	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	200000	39		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	160	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	130	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	30	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	88	39		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	23	9.8		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	20		11/6/2013	12/9/2013
13110026	TS22	AB45040	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	88	20		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1300	170		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2000	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	290000	61		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	110	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	330	150		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	63	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	70	61		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	32	15		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	31		11/6/2013	12/9/2013
13110026	TS23	AB45041	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	31		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3200	110		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	36	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	170	98		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	20	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2200	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	250000	59		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	79	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2200	98		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	75	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	58	39		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	22	9.8		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	72	20		11/6/2013	12/9/2013
13110026	TS24	AB45042	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	20		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6500	160		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	220000	60		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	86	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7000	150		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	78	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	21	15		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	120	30		11/6/2013	12/9/2013
13110026	TS25	AB45043	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	91	30		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	820	65		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	15	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	14	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	59		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	12		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1600	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	24		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	150	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	130	59		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	20	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	77	24		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	26	5.9		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	12		11/6/2013	12/9/2013
13110026	TS26	AB45044	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	83	12		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1600	88		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.4		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.0		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	85	80	B	11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	17	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	28000	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	220000	32		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	37	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	700	80		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	29	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	80		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	55	32		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	48	8.0		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	80		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	90	16		11/6/2013	12/9/2013
13110026	TS27	AB45045	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	16		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1800	280		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	25		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	250		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2100	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	320000	100		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	530	250		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	71	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	250		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	100		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	29	25		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	250		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	71	50		11/6/2013	12/9/2013
13110026	TS28	AB45046	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	50		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1000	160		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	7300	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	260000	60		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	58	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	ND	150		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	48	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	88	60		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	27	15		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	32	30		11/6/2013	12/9/2013
13110026	TS29	AB45047	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	30		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	980	110		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	75	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.7		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.6		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	96		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2500	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	38		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	300	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	150	96		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	43	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	96		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	110	38		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	36	9.6		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	96		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	35	19		11/6/2013	12/9/2013
13110026	TS30	AB45048	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	19		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	850	110		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	64	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	100		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2600	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	40		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	240	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	140	100		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	43	20		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	96	40		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	31	10		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	35	20		11/6/2013	12/9/2013
13110026	TS30D	AB45049	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	20		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	9000	66		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	33	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	320	60		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	97	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	24		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	32	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8100	60		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	12	6.0		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	87	12		11/6/2013	12/9/2013
13110026	FFN1	AB45050	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	15000	65		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	700	59		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	150	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	4100	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	24		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	66	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	15000	59		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	160	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	17	5.9		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	130	12		11/6/2013	12/9/2013
13110026	FFN2	AB45051	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1100	66		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	15	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	60		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	25	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	13000	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	32		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	41	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	770	60		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	24	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	38	24		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	33	6.0		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	85	12		11/6/2013	12/9/2013
13110026	FFN3	AB45052	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5300	65		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	15	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	59		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	66	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	20000	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	39		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	42	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5600	59		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	70	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	29	24		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	31	5.9		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	97	12		11/6/2013	12/9/2013
13110026	FFN4	AB45053	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	280	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	1100	66		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	14	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	60		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	20	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	15000	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	32		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	52	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	690	60		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	17	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	43	24		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	28	6.0		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	73	12		11/6/2013	12/9/2013
13110026	FFN5	AB45054	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	180	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4800	66		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	440	60		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	31	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	32		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2400	60		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	56	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	12	6.0		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	12		11/6/2013	12/9/2013
13110026	FFN6	AB45055	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	83	12		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4600	88		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	50	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.4		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.0		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	220	80		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	54	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	32		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	41	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2800	80		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	65	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	80		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	140	32		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	22	8.0		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	80		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	70	16		11/6/2013	12/9/2013
13110026	FFN7	AB45056	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	210	16		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4800	54		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	350	49		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	46	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	25	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	750	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	31		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	21	9.8		11/6/2013	12/9/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2300	49		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	68	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	11	4.9		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	60	9.8		11/6/2013	12/9/2013
13110026	FFN8	AB45057	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	9.8		11/6/2013	12/9/2013
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	110	100		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	81	40		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/6/2013	1/9/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2300	54		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	18	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	15	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	110	49	B	11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	360	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	31		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	62	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	290	49		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	25	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	43	20		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	14	4.9		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	23	9.8		11/6/2013	1/10/2014
13110026	FFN9	AB45058	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	9.8		11/6/2013	1/10/2014
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	98.0	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	98.0	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.0	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	98.0	1.5		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98.0	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98.0	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.2	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.2	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	49.0	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	49.0	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98.0	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	98.0	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	98.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	98.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	98.0	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	98.0	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	98.0	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	98.0	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	98.0	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	98.0	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	98.0	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	98.0	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	98.0	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	98.0	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	19.6	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	19.6	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	98.0	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	98.0	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	98.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	98.0	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	98.0	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11100	11		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	11100	11		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	68.6	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	68.6	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	153	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	153	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	273	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	273	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	138	0.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	138	0.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	155	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	155	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6460	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6460	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	122	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	122	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	71.4	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	71.4	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	80.6	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	80.6	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13800	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	13800	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	246	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	246	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3980	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3980	10		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	574	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	574	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	311	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	311	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	155	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	155	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	48.1	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	48.1	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	244	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	244	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	126	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	126	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	302	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	302	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	99.7	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	99.7	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	92.2	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	92.2	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.6	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.6	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	95.8	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	95.8	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	96.5	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	96.5	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	98.2	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	98.2	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.2	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.2	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	95.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	95.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	101	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	101	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	109	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	109	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	92.7	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	92.7	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	101	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	101	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	97.7	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	97.7	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	99.5	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	99.5	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.5	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.5	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	100	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	100	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	88.1	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	88.1	2.5		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	99.4	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	99.4	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	96.9	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	96.9	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	997	11		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	997	11		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	922	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	922	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	926	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	926	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	958	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	958	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	386	0.80		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	386	0.80		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	491	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	491	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	992	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	992	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	950	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	950	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1010	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1010	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1090	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1090	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	927	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	927	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10100	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10100	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	977	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	977	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	995	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	995	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	855	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	855	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	201	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	201	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	881	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	881	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	994	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	994	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	969	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	969	2.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	50.7	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	50.7	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	102	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	102	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	132	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	132	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.2	7.84		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.2	7.84		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.6	9.80		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.6	9.80		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	133	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	133	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	110	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	110	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	468	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	468	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	141	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	141	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	120	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	120	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	103	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	103	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98.0		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	121	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	121	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	26.6	9.80		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	26.6	9.80		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	91.8	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	91.8	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	141	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	141	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	233	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	233	19.6		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2900	110		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2900	110		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	36	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	36	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	190	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	190	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	310	20	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	310	20	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	52	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	52	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	630	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	630	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	39		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.8	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	9.8	J1	11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	98		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	51.7	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	51.7	6.0		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	104	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	104	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98.0	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98.0	20		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	103	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	103	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	103	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	103	0.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	106	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	106	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	112	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	112	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	161	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	161	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	90.8	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	90.8	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	99.0	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	99.0	1.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	105	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	105	4.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	ND	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	ND	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	123	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	123	3.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	136	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	136	1.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	ND	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	ND	500		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.7	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.7	2.5		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99.0	5.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	74.5	6.0		11/6/2013	12/16/2013
13110027	FFN10	AB45059	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	74.5	6.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3100	160		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3100	160		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	30	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	30	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	48	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	48	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	230000	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	170	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	170	60		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	30	J3	11/6/2013	12/16/2013
13110027	FFN11	AB45060	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	30	J3	11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10	20		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10	20		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	3.3	20		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	3.3	20		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	NC	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	NC	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	13	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	13	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	0	2.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	0	2.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	19	10		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	19	10		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	6.1	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	6.1	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	22	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	22	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	NC	1.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	NC	1.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	X	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	500		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	X	500		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	11	5.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	11	5.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	31	6.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	31	6.0		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2800	160		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2800	160		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	31	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	31	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	ND	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	42	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	42	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	190000	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	160	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	160	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	450	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	450	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	15		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	30		11/6/2013	12/16/2013
13110027	FFN11	AB45060	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	30		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6800	55		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6800	55		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	62	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	62	10		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	460	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	460	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	36	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	36	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	590	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	590	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	40	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	40	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4100	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4100	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	93	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	93	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	24	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	24	20		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	10		11/6/2013	12/16/2013
13110027	FFN12	AB45061	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	10		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5800	65		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5800	65		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	68	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	68	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	410	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	410	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	24		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	24		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	24		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	25	24		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4000	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4000	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	73	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	73	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	27	24		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	27	24		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	69	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	69	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	12		11/6/2013	12/16/2013
13110027	FFN13	AB45062	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	120	12		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2600	110		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2600	110		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	49	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	49	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	410	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	410	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	21	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	21	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1000	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	200000	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	200000	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	51	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	51	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	950	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	950	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	67	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	67	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	43	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	43	40		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	13	10		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	13	10		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	20		11/6/2013	12/16/2013
13110027	FFN14	AB45063	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	20		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7600	32		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7600	32		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	27	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.3		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.3		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	510	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	510	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	400	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	400	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	58000	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	58000	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3700	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3700	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	66	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	66	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	8.9	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	8.9	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	43	5.8		11/6/2013	12/16/2013
13110027	FFN15	AB45064	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	43	5.8		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7600	32		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7600	32		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	17	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	17	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	590	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	590	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	29	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.7	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	8.7	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2700	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2700	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	67	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	67	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	6.8	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	6.8	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	13	12		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.1	2.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.1	2.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	92	5.9		11/6/2013	12/16/2013
13110027	FFN16	AB45065	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	92	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6800	32		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6800	32		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	99	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	99	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	480	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	480	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	35	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	6.6	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	6.6	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	410	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	410	5.9		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	80000	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	80000	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	47	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	47	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2600	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2600	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	53	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	53	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	6.2	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	6.2	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	16	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	16	12		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	2.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	4.1	2.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	84	5.9		11/6/2013	12/16/2013
13110027	FFN17	AB45066	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	84	5.9		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4400	44		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4400	44		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	300	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	300	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	16		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	100000	16		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	26	16		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	26	16		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2400	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2400	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	51	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	51	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	19	16		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	19	16		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	4.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	5.8	4.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	8.0		11/6/2013	12/16/2013
13110027	FFN18	AB45067	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	8.0		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4900	22		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4900	22		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	51	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	370	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	370	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	24	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	24	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	7.4	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	7.4	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	780	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	780	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	56000	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	56000	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1700	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1700	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	42	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	42	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	8.1	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	8.1	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	51	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	3.9		11/6/2013	12/16/2013
13110027	FFN19	AB45068	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	3.9		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2900	55		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2900	55		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	50	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	50	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	290	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	290	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	760	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	25	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	25	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	21	20		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.6	5.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.6	5.0		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	59	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	53	10		11/6/2013	12/16/2013
13110027	FFN20	AB45069	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	53	10		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2600	66		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2600	66		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	48	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	48	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	240	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	240	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	22	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	560	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	24	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	24	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.3	6.0		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.3	6.0		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	74	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	74	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	62	12		11/6/2013	12/16/2013
13110027	FFN20D	AB45070	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	62	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4600	33		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4600	33		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	430	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	430	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	21	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	21	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	550	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	550	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	86000	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	86000	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1200	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1200	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	30	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	30	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	16	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	16	12		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.6	3.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.6	3.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	58	6.0		11/6/2013	12/16/2013
13110027	FFN21	AB45071	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	58	6.0		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3300	54		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	3300	54		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	290	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	290	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	23	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	23	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	140000	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1100	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	1100	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	31	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	31	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	9.6	4.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	9.6	4.9		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	49		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	68	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	68	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	92	9.8		11/6/2013	12/16/2013
13110027	FFN22	AB45072	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	92	9.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	59	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1600	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	61	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	33000	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7400	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7400	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	3.9		11/6/2013	12/16/2013
13110027	FFN23	AB45073	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	200	3.9		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	23000	33		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	23000	33		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	150	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	150	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	52	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	52	6.0		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	72	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	72	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5600	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5600	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	20		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	20		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	12		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	12		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8900	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8900	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	41	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	41	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	680	6.0		11/6/2013	12/16/2013
13110027	FFN24	AB45074	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	680	6.0		11/6/2013	12/16/2013
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	25000	21		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	25000	21		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	14	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	14	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	160	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	160	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	59	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	59	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	39	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	39	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	4300	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	4300	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	59000	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7800	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7800	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	170	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	31	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	31	3.8		11/6/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	12	7.7		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	12	7.7		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	57	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	560	3.8		11/6/2013	1/16/2014
13110027	FFN25	AB45075	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	560	3.8		11/6/2013	1/16/2014
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	88		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4000	88		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	57	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.4		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.4		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	270	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	270	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	24	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	24	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	170000	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	37	32		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	37	32		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2000	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2000	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	58	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	58	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	35	32		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	35	32		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	80		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	16		11/6/2013	12/16/2013
13110027	FFN26	AB45076	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	16		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2000	110		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	2000	110		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	38	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	38	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	120	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	120	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1100	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	80		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	80		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	44	40		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	44	40		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	360	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	360	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	30	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	30	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	74	40		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	74	40		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	14	10		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	14	10		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	20		11/6/2013	12/16/2013
13110027	FFN27	AB45077	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	300	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	85	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	85	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5800	55		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5800	55		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	83	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	83	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	140	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	140	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	40	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	40	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	750	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	750	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	40		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	35	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	35	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3300	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3300	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	36	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	36	10		11/6/2013	12/16/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	25	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	25	20		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.5	5.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.5	5.0		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	42	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	10		11/6/2013	12/16/2013
13110027	FFN28	AB45078	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	10		11/6/2013	12/16/2013
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10600	11		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	38.5	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	151	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	270	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	144	0.8		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	154	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6380	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	119	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	70.9	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	77.2	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12300	4.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	245	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3900	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	570	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	310	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	152	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	45.0	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	240	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	120	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	298	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	100	20		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	93.1	6.0		11/6/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	93.0	1.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	97.2	20		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	102	0.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	99.2	0.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	101	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	100	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	96.2	5.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	106	2.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	109	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	93.9	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	100	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	97.8	1.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	101	4.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	86.9	3.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	102	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	88.8	2.5		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	101	5.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	97.9	6.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	11		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	931	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	930	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	972	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	409	0.80		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	496	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10100	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	962	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1060	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1090	4.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	939	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	978	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1010	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/6/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	869	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	203	1.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	888	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1010	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	979	2.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	21.1	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	97.3	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	200	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.9	3.20		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	52.2	4.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	141	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	110	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	558	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	116	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	183	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	118	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	101	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	21.7	4.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40.0		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	90.4	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	153	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	157	8.00		11/6/2013	1/16/2014
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7300	44		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	8.0	J1	11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.2		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	490	40		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	45	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	470	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	90000	40		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	16		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4700	40		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	94	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	12	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	40		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	40		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	58	8.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	21.1	6.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	97.3	1.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	102	20		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	102	0.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	104	0.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	96.0	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	110	5.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	97.0	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	89.0	1.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	106	4.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	ND	500		11/6/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	101	3.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	108	1.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	ND	500		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	90.4	2.5		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	99.0	5.0		11/6/2013	12/20/2013
13110028	FFN29	AB45079	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	99.0	6.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6600	65		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	88	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	390	59		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	33	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	770	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	130000	59		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	46	24		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4400	59		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	60	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	12		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6.2	20		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	8.3	20		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2.5	500		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	3.1	1.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	NC	5.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1.3	2.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	8	10		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	4.4	1.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4.7	500		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	13	1.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	NC	4.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	3.4	5.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	0	6.0		11/6/2013	12/20/2013
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	6200	65		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	81	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.7		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.9		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	400	59		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	12		11/6/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	780	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	120000	59		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	44	24		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4200	59		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	88	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	59		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.9		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	59		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	58	12		11/6/2013	1/16/2014
13110028	FFN30	AB45080	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	110	12		11/6/2013	1/16/2014
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	4900	90		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	60	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.5		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	8.2		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	290	82		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	160000	61		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	47	33		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3200	82		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	85	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	82		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	33	33		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	8.2		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	82		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	61	16		11/6/2013	12/20/2013
13110028	FFN30D	AB45081	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	160	16		11/6/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	86		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	16	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	140	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	6.3		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	7.8		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3000	78		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	57	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	110	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5100	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	99000	39		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	73	31		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	78		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	740	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	40	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	78		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	31		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	7.8		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	78		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	67	16		11/7/2013	12/20/2013
13110028	SB1	AB45082	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1400	16		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	61	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	3.6	2.0		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	20		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	920	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	27000	12		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	7.8		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6400	20		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	380	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	28	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	47	3.9		11/7/2013	12/20/2013
13110028	SB2	AB45083	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	230	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	22		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	4.0	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.4	2.0		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2400	20		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	37	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1700	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	30000	12		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	7.8		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8100	20		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	800	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	28	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	41	3.9		11/7/2013	12/20/2013
13110028	SB3	AB45084	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	240	3.9		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	22		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	4.4	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	78	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	3.1	2.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	20		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	37	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	60	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	51000	20		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	29	8.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7900	20		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	830	4.0		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	27	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	44	4.0		11/7/2013	12/20/2013
13110028	SB4	AB45085	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	490	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	17000	22		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	80	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	20		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	30	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	24	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1500	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	27000	12		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	8.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7700	20		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	740	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	37	4.0		11/7/2013	12/20/2013
13110028	SB5	AB45086	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	190	4.0		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	220		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	ND	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	16		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	20		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	4700	200		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	93	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	360	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5800	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	350000	160		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	80		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	200		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	460	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	200		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	80		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	20		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	200		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	88	40		11/7/2013	12/20/2013
13110028	SB6	AB45087	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	5300	40		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	66		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	14	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	200	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	7.3	6.0		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	60		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	43	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	81	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5600	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	40		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	77	24		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6800	60		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	490	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	26	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	8.0	6.0		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	12		11/7/2013	12/20/2013
13110028	SB7	AB45088	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	880	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	63		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	17	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	250	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.6		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	8.0	5.8		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1200	58		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	44	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	84	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5000	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	110000	38		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	80	23		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6600	58		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	580	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	58		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	23		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	6.2	5.8		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	58		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	12		11/7/2013	12/20/2013
13110028	SB7D	AB45089	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	750	12		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	23000	32		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	12	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	160	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	8.7	2.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	29		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	41	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	83	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	5600	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	67000	20		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	52	12		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8400	29		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	730	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	37	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	29		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	3.5	2.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	29		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	5.9		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	5.9		11/7/2013	12/20/2013
13110028	SB9	AB45090	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	680	5.9		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	55		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	98	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	5.0		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2300	50		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	46	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	67	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2600	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	76000	40		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	36	20		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8800	50		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	560	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	27	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	50		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	20		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	5.0		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	50		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	10		11/7/2013	12/20/2013
13110028	SB10	AB45091	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	820	10		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	22		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	58	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	20		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	37	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	26	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2900	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	25000	12		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	8.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5800	20		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	360	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	4.0		11/7/2013	12/20/2013
13110028	SB11	AB45092	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	81	4.0		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	24000	22		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	80	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.1	2.0		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5400	20		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	49	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	29	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2500	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	27000	12		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	14	7.8		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	20		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1200	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	31	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	3.9		11/7/2013	12/20/2013
13110028	SB12	AB45093	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	3.9		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	27000	22		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	73	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.1	2.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3200	20		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	50	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	33	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	34000	12		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	8.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	12000	20		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1000	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	34	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	4.0		11/7/2013	12/20/2013
13110028	SB13	AB45094	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	170	4.0		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	23000	53		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	72	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	3.8		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	4.8		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3100	48		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	54	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	72	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3600	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	65000	23		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	20	19		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	48		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	730	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	48		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	19		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	4.8		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	48		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	53	9.6		11/7/2013	12/20/2013
13110028	SB14	AB45095	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	740	9.6		11/7/2013	12/20/2013
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	14000	22		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	47	4.0		11/7/2013	1/20/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.8	2.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2700	20		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	930	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	24000	12		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	8.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7100	20		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	940	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	37	4.0		11/7/2013	1/20/2014
13110028	SB15	AB45096	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	4.0		11/7/2013	1/20/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	21		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	95	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.2	1.9		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	3800	19		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	34	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	18	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	830	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	21000	7.7		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	7.7		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	19		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1000	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	30	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	43	3.8		11/7/2013	1/16/2014
13110028	SB16	AB45097	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	82	3.8		11/7/2013	1/16/2014
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	99	40		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	40		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/7/2013	12/20/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	69	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2400	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	30	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	680	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	17000	8.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	8.0	8.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	6700	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	800	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	23	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	33	4.0		11/7/2013	12/20/2013
13110028	SB17	AB45098	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	65	4.0		11/7/2013	12/20/2013
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	100	6.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	100	1.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	20		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	40.0	0.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	50.0	0.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	100	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	100	5.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	100	2.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	100	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	100	1.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	100	4.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	100	3.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	20.0	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	100	2.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	100	5.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	100	6.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	10800	11		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	48.6	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	151	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	276	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	150	0.8		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	148	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	6580	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	120	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	72.6	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	79.6	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	12200	4.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	249	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	3880	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	573	2.0		11/7/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	316	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	153	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	45.1	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	242	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	122	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	298	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Aluminum	Soil	7429-90-5	%	99.4	20		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Antimony	Soil	7440-36-0	%	91.9	6.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Arsenic	Soil	7440-38-2	%	92.2	1.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Barium	Soil	7440-39-3	%	97.5	20		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Beryllium	Soil	7440-41-7	%	107	0.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Cadmium	Soil	7440-43-9	%	99.6	0.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Calcium	Soil	7440-70-2	%	97.2	500		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Chromium	Soil	7440-47-3	%	99.0	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Cobalt	Soil	7440-48-4	%	96.5	5.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Copper	Soil	7440-50-8	%	110	2.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Iron	Soil	7439-89-6	%	110	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Lead	Soil	7439-92-1	%	94.6	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Magnesium	Soil	7439-95-4	%	100	500		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Manganese	Soil	7439-96-5	%	99.6	1.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Nickel	Soil	7440-02-0	%	101	4.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Potassium	Soil	7440-09-7	%	x	500		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Selenium	Soil	7782-49-2	%	85.7	3.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Silver	Soil	7440-22-4	%	95.0	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Sodium	Soil	7440-23-5	%	x	500		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Thallium	Soil	7440-28-0	%	89.1	2.5		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Vanadium	Soil	7440-62-2	%	99.6	5.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB % Recovery	$L_METMS_PE	Zinc	Soil	7440-66-6	%	97.5	6.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	1000	20		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Soil	7440-36-0	ug/L	1000	6.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	1000	1.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Soil	7440-39-3	ug/L	1000	20		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	400	0.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	500	0.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Soil	7440-70-2	ug/L	10000	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Soil	7440-47-3	ug/L	1000	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	1000	5.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Soil	7440-50-8	ug/L	1000	2.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Soil	7439-89-6	ug/L	1000	10		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Soil	7439-92-1	ug/L	1000	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Soil	7439-96-5	ug/L	1000	1.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1000	4.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Soil	7782-49-2	ug/L	1000	3.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Soil	7440-22-4	ug/L	200	1.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	500		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Soil	7440-28-0	ug/L	1000	2.5		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	1000	5.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Soil	7440-66-6	ug/L	1000	6.0		11/7/2013	1/26/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Soil	7429-90-5	ug/L	994	11		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Soil	7440-36-0	ug/L	919	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Soil	7440-38-2	ug/L	922	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Barium	Soil	7440-39-3	ug/L	975	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Soil	7440-41-7	ug/L	427	0.80		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Soil	7440-43-9	ug/L	498	1.0		11/7/2013	1/16/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Soil	7440-70-2	ug/L	9720	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Soil	7440-47-3	ug/L	990	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Soil	7440-48-4	ug/L	965	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Copper	Soil	7440-50-8	ug/L	1100	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Iron	Soil	7439-89-6	ug/L	1090	4.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Lead	Soil	7439-92-1	ug/L	946	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Soil	7439-95-4	ug/L	10000	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Soil	7439-96-5	ug/L	996	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Soil	7440-02-0	ug/L	1010	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Soil	7440-09-7	ug/L	x	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Soil	7782-49-2	ug/L	857	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Silver	Soil	7440-22-4	ug/L	190	1.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Soil	7440-23-5	ug/L	x	10		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Soil	7440-28-0	ug/L	891	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Soil	7440-62-2	ug/L	996	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Soil	7440-66-6	ug/L	975	2.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	99.5	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	201	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	39.5	8.00		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	53.0	10.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	175	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	324	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	13800	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	108	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	384	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	134	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	114	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	24.6	10.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.2	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	171	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	2560	20.0		11/7/2013	1/16/2014
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	20000	110		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20	J1	11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	10		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2500	100		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	84	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	210	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	8100	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	180000	80		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	40		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	13000	100		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	290	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	30	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	40		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	75	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	2500	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	99.5	1.5		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Soil	7440-39-3	mg/Kg	91.0	20		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	98.8	0.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	106	0.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	91.0	1.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	114	5.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Soil	7440-50-8	mg/Kg	R	2.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Soil	7439-92-1	mg/Kg	108	1.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	94.0	1.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	104	4.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	114	3.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Soil	7440-22-4	mg/Kg	123	1.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	93.2	2.5		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	96.0	5.0		11/7/2013	12/26/2013
13110029	SB18	AB45099	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	R	6.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	83	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	36	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	38000	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	8.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7500	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	610	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	130	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	0	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	NC	6.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	NC	1.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	1.2	20		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	NC	0.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	NC	0.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	0	500		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	5.7	1.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	0	5.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	0	2.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	5.4	10		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	5.4	1.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2.6	500		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	6.3	1.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	0	4.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	500		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	NC	3.5		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	NC	1.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	500		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	NC	2.5		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	2.2	5.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	14	6.0		11/7/2013	12/26/2013
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	18000	22		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Soil	7440-39-3	mg/Kg	82	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	20		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Soil	7440-47-3	mg/Kg	34	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Soil	7439-89-6	mg/Kg	36000	20		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Soil	7439-92-1	mg/Kg	18	8.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7700	20		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Soil	7439-96-5	mg/Kg	650	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	46	4.0		11/7/2013	1/16/2014
13110029	SB19	AB45100	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	4.0		11/7/2013	1/16/2014
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	7900	110		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	36	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	48	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	23	10		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	400	100		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	47	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	96	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	3500	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	150000	60		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	91	40		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	4000	100		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	210	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	100		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	40		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	10		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	100		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	20		11/7/2013	12/26/2013
13110029	SB20	AB45101	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	1100	20		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	68	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1400	20		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	33	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	17	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	28000	12		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	8.0		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7000	20		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	390	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	25	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	49	4.0		11/7/2013	12/26/2013
13110029	SB21	AB45102	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	4.0		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	27000	22		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	69	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	2.3	2.0		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1500	20		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	36	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1200	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	28000	12		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	8.2		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7100	20		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	350	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	50	4.1		11/7/2013	12/26/2013
13110029	SB22	AB45103	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	150	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	33000	22		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	73	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	9.4	2.0		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	5500	20		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	57	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	20	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	240	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	30000	12		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	19	8.2		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	20000	20		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	850	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	41	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	62	4.1		11/7/2013	12/26/2013
13110029	SB23	AB45104	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	260	4.1		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	35000	22		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	4.0		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	3.9	2.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	20		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	56	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	98	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1900	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	51000	20		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	15	8.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	2800	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	49	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	63	4.0		11/7/2013	12/26/2013
13110029	SB24	AB45105	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	390	4.0		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	29000	66		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	150	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	4.8		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	7.0	6.0		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2600	60		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	48	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	34	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	36000	24		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	ND	24		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9600	60		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	1600	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	51	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	60		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	24		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	6.0		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	60		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	56	12		11/7/2013	12/26/2013
13110029	SB25	AB45106	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	330	12		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	22		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	120	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2800	20		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	14	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	340	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	20000	8.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	9.1	8.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7900	20		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	960	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	31	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	39	4.0		11/7/2013	12/26/2013
13110029	SB26	AB45107	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	94	4.0		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	26000	21		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.5		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	1.9		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1800	19		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	37	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	19	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	800	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	24000	12		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	11	7.7		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9300	19		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	630	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	32	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	19		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.7		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	1.9		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	19		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	3.8		11/7/2013	12/26/2013
13110029	SB27	AB45108	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	80	3.8		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	26000	22		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	110	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1900	20		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	50	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	33	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	690	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	28000	12		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	13	8.2		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	11000	20		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	840	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	39	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	58	4.1		11/7/2013	12/26/2013
13110029	SB28	AB45109	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	140	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	31000	22		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	90	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1900	20		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	47	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	23	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	530	4.1		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	27000	12		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	12	8.2		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	9500	20		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	500	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	35	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	8.2		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	54	4.1		11/7/2013	12/26/2013
13110029	SB29	AB45110	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	67	4.1		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	25000	22		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	85	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	1500	20		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	37	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	22	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	1300	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	34000	20		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	7.8		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	8800	20		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	490	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	28	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	3.9		11/7/2013	12/26/2013
13110029	SB30	AB45111	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	210	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	22000	22		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	4.1	2.0		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2300	20		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	32	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	31	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2400	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	24000	12		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	17	7.8		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7000	20		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	300	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	29	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	48	3.9		11/7/2013	12/26/2013
13110029	SB31	AB45112	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	240	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	19000	22		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	100	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	1.6		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	4.0	2.0		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2000	20		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	27	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	28	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	2300	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	22000	12		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	16	7.8		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	5500	20		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	260	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	24	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	7.8		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	2.0		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	20		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	3.9		11/7/2013	12/26/2013
13110029	SB31D	AB45113	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	220	3.9		11/7/2013	12/26/2013
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	21000	33		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	6.4	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	130	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	2.4		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	5.3	3.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	2200	30		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	36	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	83	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	8200	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	50000	20		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	65	12		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	7200	30		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	400	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	39	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	30		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	12		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	ND	3.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	30		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	45	6.0		11/7/2013	1/26/2014
13110029	SB32	AB45114	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	720	6.0		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Soil	7429-90-5	ug/L	ND	110		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Soil	7440-36-0	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Soil	7440-38-2	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Barium	Soil	7440-39-3	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Soil	7440-41-7	ug/L	ND	8.0		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Soil	7440-43-9	ug/L	ND	10		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Soil	7440-70-2	ug/L	ND	100		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Soil	7440-47-3	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Soil	7440-48-4	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Copper	Soil	7440-50-8	ug/L	21	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Iron	Soil	7439-89-6	ug/L	110	40		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Lead	Soil	7439-92-1	ug/L	ND	40		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Soil	7439-95-4	ug/L	ND	100		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Soil	7439-96-5	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Soil	7440-02-0	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Soil	7440-09-7	ug/L	x	1000		11/7/2013	1/26/2014

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	ANALYSIS_START_DATE
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Soil	7782-49-2	ug/L	ND	40		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Silver	Soil	7440-22-4	ug/L	ND	10		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Soil	7440-23-5	ug/L	x	1000		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Soil	7440-28-0	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Soil	7440-62-2	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Soil	7440-66-6	ug/L	ND	20		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Soil	7429-90-5	mg/Kg	5100	160		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Soil	7440-36-0	mg/Kg	ND	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Soil	7440-38-2	mg/Kg	ND	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Soil	7440-39-3	mg/Kg	83	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Soil	7440-41-7	mg/Kg	ND	12		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Soil	7440-43-9	mg/Kg	ND	15		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Soil	7440-70-2	mg/Kg	150	150		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Soil	7440-47-3	mg/Kg	60	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Soil	7440-48-4	mg/Kg	61	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Soil	7440-50-8	mg/Kg	4600	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Soil	7439-89-6	mg/Kg	200000	80		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Soil	7439-92-1	mg/Kg	60	60		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Soil	7439-95-4	mg/Kg	2900	150		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Soil	7439-96-5	mg/Kg	90	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Soil	7440-02-0	mg/Kg	ND	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Soil	7440-09-7	mg/Kg	x	150		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Soil	7782-49-2	mg/Kg	ND	60		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Soil	7440-22-4	mg/Kg	18	15		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Soil	7440-23-5	mg/Kg	x	150		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Soil	7440-28-0	mg/Kg	ND	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Soil	7440-62-2	mg/Kg	52	30		11/7/2013	1/26/2014
13110029	SB33	AB45115	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Soil	7440-66-6	mg/Kg	840	30		11/7/2013	1/26/2014

AMEC GROUNDWATER MONITORING DATA

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	HO-1 HO-1 (PUMP) 10/19/10 FS	HO-1 EMV-GW-H01 05/16/11 FS	HO-1 EMGWHO-1XX 08/17/11 FS	HO-1 EMGWHO-1XX 08/13/12 FS	HO-1 EMGWHO-1XX 07/18/13 FS	HO-1 EMGWH01XX 08/19/13 FS	HO-1 EMGWH01XX 09/18/13 FS	HO-1 EMGWH01610 10/30/13 FS	IC-01 IC-01 (15-25) 10/07/10 FS	IC-01 IC-01 (PUMP) 10/07/10 FS	IC-01 MGWMWIC-01X 08/19/11 FS	IC-01 EMGWIC-01XX 08/10/12 FS	IC-01 EMGWIC01XX 08/07/13 FS	IC-02 IC-02 (PUMP) 10/07/10 FS	IC-02 IC-02 (18-23) 10/08/10 FS	IC-02 IC-02 (PUMP)Q 10/08/10 FD
T	Aluminum	MG/L	16	0.16	0.22 U	0.3 U	0.3 U	0.3 U	0.3 U	0.198 J	0.3 U	0.28	0.68	0.732	0.13 J	0.3 UJ	0.24	7.6	0.24
T	Antimony	MG/L	0.006	0.00093 J	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.0005	0.0005	0.001 U	0.001 U	0.001 U	0.0005 U	0.0009	0.00018 J
T	Arsenic	MG/L	0.01	0.0025 U	0.04 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.0023 J	0.008 U	0.00015 J	0.00013 J	0.008 U	0.008 U	0.008 UJ	0.0005 U	0.0002 J	0.0005 U
T	Barium	MG/L	2	0.052	0.04 U	0.031	0.0339	0.0285	0.0251	0.0248	0.0305	0.0336	0.0178	0.0145	0.012	0.0113 U	0.0061	0.0399	0.0059
T	Beryllium	MG/L	0.004	0.0025 U	0.016 U	0.00022 J	0.001 U	0.00007 J	0.001 U	0.001 U	0.00004 J	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
T	Cadmium	MG/L	0.005	0.0573	0.08	0.0585	0.0283	0.0178	0.0154	0.0133	0.0077	0.00025 J	0.00028 J	0.00019 J	0.001 U	0.001 U	0.0005 U	0.00046 J	0.0005 U
T	Calcium	MG/L	NA	230	340	332	282	276	302	290	316	56	66	58.6	54.7	55.3	32	42	31
T	Chromium	MG/L	0.1	0.00129 J	0.04 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0026 J	0.0019	0.0023	0.01 U	0.001 J	0.01 U	0.0015	0.042	0.0016
T	Cobalt	MG/L	0.005	0.596	1.5	1.33	0.86	0.696	0.762	0.726	0.612	0.001	0.0144	0.0067 J	0.01 U	0.01 U	0.00024 J	0.007	0.00025 J
T	Copper	MG/L	1.3	0.1467	0.14	0.0503 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0099	0.0926	0.0556	0.025 U	0.025 U	0.0028	0.0589	0.0028
T	Iron	MG/L	11	50	190	195	111	78.4	112	108	97.1	0.86	1.8	2.52 J	5.35	6.6	0.39	11	0.39
T	Lead	MG/L	0.015	0.0039	0.04 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.0016 J	0.0003 J	0.00026 J	0.005 U	0.0012 J	0.005 UJ	0.00005 J	0.0014	0.00006 J
T	Magnesium	MG/L	NA	36	70	67	49	44.4	49.4	49.1	50	6.8	9.4	9.45	8.72	9.19	2.6	6.1	2.6
T	Manganese	MG/L	0.84	4.14	9.4	8.93	7.04	6.16	6.6	6.13	6.98	0.0705	0.6768	0.743 J	0.62	0.708	0.019	0.3559	0.0187
T	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U			0.0002 U	0.0002 U	0.0002 UJ			
T	Molybdenum	MG/L	0.04	0.015 U								0.00054 J	0.00099 J				0.00038 J	0.0028 J	0.00115 J
T	Nickel	MG/L	0.1	0.3214	0.6	0.536	0.347	0.285	0.302	0.288	0.247	0.0085	0.011	0.01 U	0.0048 J	0.01 U	0.0011	0.0212	0.0012
T	Potassium	MG/L	NA	7.4	7.2	7.03	7.02	6.78	6.54	6.6	6.55	6	6.3	5.93	5.88	5.98	3.7	7	3.7
T	Selenium	MG/L	0.05	0.005 U	0.04 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0006 J	0.001 U	0.01 U	0.01 U	0.01 UJ	0.001 U	0.001 U	0.001 U
T	Silver	MG/L	0.071	0.0025 U	0.02 U	0.002 J	0.0049 J	0.01 UJ	0.01 U	0.00096 J	0.01 U	0.0005 U	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U
T	Sodium	MG/L	NA	8.2	9.1	9.5	7.7	7.24	6.96	7.07	8.05	2.7	3	2.83	2.84	2.74 U	1.5 J	2.6	1.5 J
T	Strontium	MG/L	9.3	0.827								0.179	0.234				0.067	0.084	0.066
T	Thallium	MG/L	0.002	0.0025 U	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.00009 J	0.0005 U
T	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U			
T	Vanadium	MG/L	0.089	0.00054 J	0.1 U	0.025 U	0.0038 J	0.0131	0.0152 U	0.01 U	0.01 U	0.0008	0.0012	0.01 U	0.01 U	0.01 UJ	0.0012	0.0261	0.0013
T	Zinc	MG/L	3.13	2.774	7.1	6.18	3.69	2.77	3.11	2.99	2.23	0.0434	0.0502	0.0322 U	0.02 U	0.02 U	0.0054	0.1212	0.0059
T	Sulfate	MG/L	250	880	1400	1500 J	1100	1100	1200	1100	980	140	190	150	140	130 J	18	20	17
D	Aluminum	MG/L	16	0.041 J	0.25 U	0.173 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.029 J	0.1 U	0.0522 J	0.3 U	0.3 UJ	0.1 U	0.1 U	0.024 J
D	Antimony	MG/L	0.006	0.00086 J	0.045 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Arsenic	MG/L	0.01	0.00126 J	0.045 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0005 U	0.0005 U	0.008 U	0.0019 J	0.008 UJ	0.0005 U	0.0005 U	0.0005 U
D	Barium	MG/L	2	0.0496	0.045 U	0.031	0.0329 U	0.0173	0.0244	0.0244	0.0306	0.0299	0.0138	0.0109	0.0112 U	0.0096	0.0054	0.0056	0.0052
D	Beryllium	MG/L	0.004	0.0025 U	0.018 U	0.00023 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Cadmium	MG/L	0.005	0.057	0.075	0.0568	0.0279	0.0107	0.0153	0.0133	0.0078	0.00023 J	0.00022 J	0.00024 J	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Calcium	MG/L	NA	220	310	329	276	176	299	300	313	56	65	57.9	53.7	53.3	31	34	30
D	Chromium	MG/L	0.1	0.0025 U	0.045 U	0.015 U	0.01 U	0.0013 J	0.01 U	0.00062 J	0.01 U	0.00025 J	0.0005 U	0.0011 J	0.01 U	0.01 U	0.00028 J	0.00027 J	0.00026 J
D	Cobalt	MG/L	0.005	0.597	1.4	1.32	0.868	0.442	0.759	0.74	0.61	0.0007	0.0134	0.0078 J	0.01 U	0.01 U	0.0005 U	0.00008 J	0.00011 J
D	Copper	MG/L	1.3	0.1413	0.12	0.0501 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0052	0.069	0.0486	0.025 U	0.025 U	0.0011	0.001	0.0014
D	Iron	MG/L	11	48	180	194	109	47.5	112	109	96.7 J	0.23	0.36	0.736 J	0.962 U	1.24	0.05 U	0.018 J	0.018 J
D	Lead	MG/L	0.015	0.0027	0.045 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.0005 U	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.0005 U	0.0005 U	0.0005 U
D	Magnesium	MG/L	NA	35	65	66.3	49.2	28.3	48.9	50	49.9	6.7	8.7	8.97	8.94 U	8.8	2.4	2.8	2.5
D	Manganese	MG/L	0.84	4.125	8.9	8.84	6.86	3.92	6.52	6.13	7.01	0.0673	0.6575	0.72 J	0.613 U	0.689	0.0106	0.0169	0.0105
D	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U			0.0002 U	0.00003 J	0.0002 UJ			
D	Molybdenum	MG/L	0.04	0.015 U								0.00039 J	0.00053 J				0.003 U	0.00164 J	0.00102 J
D	Nickel	MG/L	0.1	0.3172	0.57	0.532	0.35 J	0.181	0.3	0.293	0.244	0.0075	0.0091	0.0068 J	0.01 U	0.01 U	0.00049 J	0.0009	0.0005
D	Potassium	MG/L	NA	7.1	7.4	6.96	6.79	4.25	6.46	6.6	6.56	5.5	5.5	5.62	5.79 U	5.87	3.6	4.5	3.6
D	Selenium	MG/L	0.05	0.005 U	0.09 U	0.01 U	0.0069 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0004 J	0.001 U	0.01 U	0.01 U	0.01 U	0.001 U	0.001 U	0.001 U
D	Silver	MG/L	0.071	0.0025 U	0.022 U	0.0026 J	0.0036 J	0.01 U	0.01 U	0.00051 J	0.01 U	0.0005 U	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U
D	Sodium	MG/L	NA	7.9	9.3	9.38	7.62	4.67	6.89	7.09	8.14	2.7	2.9	2.75	2.54 U	2.7	1.4 J	1.5 J	1.4 J
D	Strontium	MG/L	9.3	0.803								0.18	0.23				0.07	0.07	0.07
D	Thallium	MG/L	0.002	0.0025 U	0.045 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.00007 J	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U			
D	Vanadium	MG/L	0.089	0.0025 U	0.045 U	0.0027 J	0.01 U	0.0083 J	0.015	0.01 U	0.01 U	0.0002 J	0.00014 J	0.01 U	0.01 U	0.01 UJ	0.00046 J	0.0006	0.00044 J
D	Zinc	MG/L	3.13	2.764	6.6	6.13	3.73	1.73	3.1	3.05	2.22	0.0311	0.0419	0.0312 U	0.02 U	0.02 U	0.006	0.0279	0.0064

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	IC-02 EMGWIC-02XX 08/18/11 FS	IC-02 EMGWIC-02XX 08/09/12 FS	IC-02 EMGWIC02XX 08/06/13 FS	IC-03 IC-03 (19-29) 10/05/10 FS	IC-03 IC-03 (PUMP) 10/05/10 FS	IC-03 EMGWIC-03XX 08/19/11 FS	IC-03 EMGWIC-03XX 08/09/12 FS	IC-03 EMGWIC03XX 08/06/13 FS	IC-04 IC-04 (47-57) 10/06/10 FS	IC-04 IC-04 (PUMP) 10/06/10 FS	IC-04 EMGWIC-04XX 08/18/11 FS	IC-04 EMGWIC-04XX 08/10/12 FS	IC-04 EMGWIC04FD 08/07/13 FD	IC-04 EMGWIC04XX 08/07/13 FS	IC-05 IC-05 PUMP 09/22/10 FS	IC-05 IC-05 (40-60) 10/23/10 FS
T	Aluminum	MG/L	16	0.948	0.3 U	0.3 UJ	1.5	0.14	0.46	0.3 U	0.3 UJ	0.19	0.035 J	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.99	0.1 U
T	Antimony	MG/L	0.006	0.001 U	0.001 U	0.001 U	0.0005	0.0005 U	0.001 U	0.001 U	0.001 U	0.0006	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005	0.00022 J
T	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 UJ	0.00023 J	0.0005 U	0.008 U	0.008 U	0.008 UJ	0.00026 J	0.0005 U	0.008 U	0.008 U	0.008 UJ	0.008 UJ	0.00015 J	0.00019 J
T	Barium	MG/L	2	0.0074	0.0044 J	0.005 U	0.0182	0.0052	0.0069	0.0059	0.0081 U	0.0042	0.0023	0.003 J	0.0019 J	0.005 U	0.005 U	0.0138	0.0076
T	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
T	Cadmium	MG/L	0.005	0.00006 J	0.001 U	0.001 U	0.00024 J	0.0005 U	0.00009 J	0.001 U	0.001 U	0.0005 U	0.0005 U	0.00008 J	0.001 U	0.001 U	0.001 U	0.0005 U	0.00017 J
T	Calcium	MG/L	NA	31.8	24.4	19.6	78	74	73.6	86.4	122	18	18	17.6	17.1	18.4	18.6	33	37
T	Chromium	MG/L	0.1	0.015 U	0.01 U	0.01 U	0.0061	0.0005	0.015 U	0.01 U	0.01 U	0.0007	0.00022 J	0.015 U	0.01 U	0.01 U	0.01 U	0.0065	0.00039 J
T	Cobalt	MG/L	0.005	0.0012 J	0.00063 J	0.01 UJ	0.0053	0.001	0.0019 J	0.01 U	0.01 U	0.0019	0.0017	0.0016 J	0.01 U	0.01 U	0.01 UJ	0.0006	0.0005
T	Copper	MG/L	1.3	0.025 U	0.025 U	0.025 U	0.0129	0.0027	0.025 U	0.025 U	0.025 U	0.0011	0.00034 J	0.025 U	0.025 U	0.025 U	0.025 U	0.002	0.0075
T	Iron	MG/L	11	1.38	0.597 U	1.09	3.4	1.5	2.81	3.09	11.6	1	0.75	1.61	2.63	1.68 U	1.79 U	1.4	0.6
T	Lead	MG/L	0.015	0.005 U	0.005 U	0.005 UJ	0.0008	0.00006 J	0.005 U	0.005 U	0.005 UJ	0.00013 J	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.0007	0.0001 J
T	Magnesium	MG/L	NA	2.84	2.03	1.73	11	9.9	11.2	12.5	18.6	4.2	4.1	4	3.83	4.27	4.31	5.6	2.9
T	Manganese	MG/L	0.84	0.0424	0.0207 U	0.0144 U	0.5847	0.2361	0.398	0.492	1.05	0.0725	0.0703	0.1	0.0973	0.115 U	0.114 U	0.1	0.011
T	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.0002 UJ			0.0002 U	0.0002 U	0.0002 UJ			0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ		
T	Molybdenum	MG/L	0.04				0.0033	0.00039 J				0.00244 J	0.003 U					0.00127 J	0.00138 J
T	Nickel	MG/L	0.1	0.04 U	0.01 U	0.01 U	0.0122	0.0014	0.04 U	0.01 U	0.01 U	0.0035	0.0029	0.04 U	0.01 U	0.01 U	0.01 U	0.0054	0.0017
T	Potassium	MG/L	NA	3.2	2.6	2.33 U	5.5	4.4	4.17	4.86	5.55	2.3 J	2.3 J	1.97	2.18	2.41 U	2.36 U	13	3.2
T	Selenium	MG/L	0.05	0.01 U	0.01 U	0.01 UJ	0.0004 J	0.001 U	0.01 U	0.01 U	0.01 UJ	0.001 U	0.0004 J	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.0005 J	0.0006 J
T	Silver	MG/L	0.071	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U
T	Sodium	MG/L	NA	1.39	1.19	1.12 U	3.7	3.8	3.58	4.15	4.17 U	1.5 J	1.6 J	1.42	1.41	1.57 U	1.58 U	14	1.6 J
T	Strontium	MG/L	9.3				0.175	0.151				0.064	0.063					0.165	0.035
T	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
T	Tin	MG/L	9.3	0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U		
T	Vanadium	MG/L	0.089	0.0037 J	0.01 U	0.01 UJ	0.003	0.00037 J	0.025 U	0.01 U	0.01 UJ	0.0005	0.0002 J	0.025 U	0.01 U	0.01 UJ	0.01 UJ	0.0028	0.0005 U
T	Zinc	MG/L	3.13	0.025 U	0.02 U	0.02 U	0.0661	0.0191	0.0692	0.0509 U	0.126	0.023	0.0132	0.025 U	0.02 U	0.02 U	0.02 U	0.0361	0.0268
T	Sulfate	MG/L	250	13 J	11	7.4 J	190	180	160 J	200	350 J	31	30	24 J	22	24 J	24 J	77	18
D	Aluminum	MG/L	16	0.3 U	0.3 U	0.3 UJ	0.1 U	0.1 U	0.0726 J	0.3 U	0.3 UJ	0.1 U	0.1 U	0.0179 J	0.3 U	0.3 UJ	0.3 UJ	0.03 J	0.026 J
D	Antimony	MG/L	0.006	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00013 J	0.00018 J
D	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 UJ	0.00013 J	0.0005 U	0.008 U	0.008 U	0.008 UJ	0.0005 U	0.0005 U	0.008 U	0.008 U	0.008 UJ	0.008 UJ	0.0005 U	0.00014 J
D	Barium	MG/L	2	0.0046 J	0.005 U	0.005 U	0.0095	0.005	0.0045 J	0.0054 U	0.0066 U	0.0034	0.0024	0.0025 J	0.005 U	0.005 U	0.005 U	0.0049	0.0067
D	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
D	Cadmium	MG/L	0.005	0.001 U	0.001 U	0.001 U	0.00012 J	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.00013 J
D	Calcium	MG/L	NA	29.9	20.9	20.7	77	79	75.8	87.1	120	18	19	17.3	16.8	17.2	18.3	27	36
D	Chromium	MG/L	0.1	0.00041 J	0.01 U	0.01 U	0.0005 U	0.0005 U	0.00077 J	0.01 U	0.01 U	0.0005 U	0.0005 U	0.00037 J	0.01 U	0.01 U	0.01 U	0.00031 J	0.00019 J
D	Cobalt	MG/L	0.005	0.03 U	0.01 U	0.01 UJ	0.004	0.001	0.03 U	0.01 U	0.01 U	0.0022	0.0019	0.03 U	0.01 U	0.01 UJ	0.01 UJ	0.00006 J	0.00041 J
D	Copper	MG/L	1.3	0.025 U	0.025 U	0.025 U	0.0014	0.0011	0.025 U	0.025 U	0.025 U	0.0011	0.0012	0.025 U	0.025 U	0.025 U	0.025 U	0.0012	0.0029
D	Iron	MG/L	11	0.1 U	0.1 U	0.1 U	0.4	1.4	1.93	2.7	5.6	0.75	0.76	0.963	1.16 U	2.27	2.4	0.046 J	0.14
D	Lead	MG/L	0.015	0.005 U	0.005 U	0.005 UJ	0.0005 U	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.0005 U	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.00011 J	0.00006 J
D	Magnesium	MG/L	NA	2.36	1.72	1.68	10	10	11.1	12.5	18.1	4	4.4	4.06	3.88 U	4.07	4.23	5.5	3.2
D	Manganese	MG/L	0.84	0.005 U	0.005 U	0.005 U	0.5838	0.2547	0.396	0.482	0.999	0.0865	0.0804	0.0951	0.0995 U	0.111	0.116	0.0562	0.0091
D	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.0002 UJ			0.0002 U	0.0002 U	0.0002 UJ			0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ		
D	Molybdenum	MG/L	0.04				0.00288 J	0.00033 J				0.003 U	0.003 U					0.00078 J	0.0012 J
D	Nickel	MG/L	0.1	0.04 U	0.01 U	0.01 U	0.0078	0.0012	0.04 U	0.01 U	0.01 U	0.0034	0.0031	0.04 U	0.01 U	0.01 U	0.01 U	0.0022	0.0015
D	Potassium	MG/L	NA	2.88	2.44	2.47	4.6	4.5	4.18	4.82	5.71	2.4 J	2.4 J	1.94	2.27 U	2.62	2.68	13	3.3
D	Selenium	MG/L	0.05	0.01 U	0.01 U	0.01 U	0.001 U	0.001 U	0.01 U	0.0024 J	0.01 U	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.01 U	0.001 U	0.0004 J
D	Silver	MG/L	0.071	0.015 U	0.00046 J	0.01 U	0.0005 U	0.0005 U	0.015 U	0.00033 J	0.01 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U
D	Sodium	MG/L	NA	1.21	1.15	1.19 U	3.6	4	3.63	4.21	4.24 U	1.6 J	1.6 J	1.39	1.52 U	1.52	1.57	14	1.8 J
D	Strontium	MG/L	9.3				0.17	0.16				0.07	0.07					0.14	0.03
D	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
D	Tin	MG/L	9.3	0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U		
D	Vanadium	MG/L	0.089	0.0007 J	0.01 U	0.01 UJ	0.00018 J	0.00016 J	0.00039 J	0.01 U	0.01 UJ	0.00014 J	0.00018 J	0.025 U	0.01 U	0.01 UJ	0.01 UJ	0.00043 J	0.0005 U
D	Zinc	MG/L	3.13	0.025 U	0.02 U	0.02 U	0.0217	0.0209	0.0324 U	0.0326 U	0.057 U	0.0251	0.0165	0.025 U	0.02 U	0.0209 U	0.0223 U	0.00338 J	0.0203

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	IC-05 IC-05 (190-205) 10/24/10 FS	IC-05 IC-05 (315-330) 10/24/10 FS	IC-05 IC-05 (98-113) 10/25/10 FS	IC-05 EMGWIC-05XX 08/16/11 FS	IC-05 EMGWIC-05XX 08/07/12 FS	IC-05 EMGWIC05XX 08/21/13 FS	IC-06 IC-06 PUMP 09/20/10 FS	IC-06 IC-06 (225-235) 09/24/10 FS	IC-06 IC-06 (28-38) 09/25/10 FS	IC-06 IC-06 (53-63) 09/25/10 FS	IC-06 EMGWIC-06XX 08/17/11 FS	IC-06 EMGWIC-06XX 08/07/12 FS	IC-06 EMGWIC06XX 08/21/13 FS	IC-07 IC-07 PUMP 09/23/10 FS	IC-07 IC-07 (475-495) 10/19/10 FS	IC-07 IC-07 (310-330) 10/21/10 FS
T	Aluminum	MG/L	16	0.1 U	0.041 J	0.046 J	0.3 U	0.3 U	0.3 U	0.11	0.1 U	0.091 J	0.035 J	0.337 U	0.139 J	1.85	0.14	0.29	0.13
T	Antimony	MG/L	0.006	0.0005 U	0.00013 J	0.0002 J	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0002 J	0.0005	0.00038 J
T	Arsenic	MG/L	0.01	0.0005 U	0.0005 U	0.00017 J	0.008 U	0.008 U	0.008 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.008 U	0.008 U	0.008 U	0.0005 U	0.00014 J	0.0005 U
T	Barium	MG/L	2	0.0038	0.005	0.0038	0.005 U	0.005 U	0.005 UJ	0.003	0.0029	0.0036	0.003	0.005 U	0.0034 J	0.0083 UJ	0.0105	0.0296	0.0099
T	Beryllium	MG/L	0.004	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
T	Cadmium	MG/L	0.005	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.00005 J	0.001 U	0.0007	0.0003 J	0.00015 J
T	Calcium	MG/L	NA	42	40	24	37.4	38.2	39.2	31	31	32	32	28.4	27.4	28.6	100	130	38
T	Chromium	MG/L	0.1	0.0005 U	0.0003 J	0.00044 J	0.015 U	0.01 U	0.01 U	0.00036 J	0.0002 J	0.00032 J	0.00027 J	0.015 U	0.01 U	0.01 U	0.0022	0.0014	0.0009
T	Cobalt	MG/L	0.005	0.00008 J	0.00013 J	0.00014 J	0.00031 J	0.01 U	0.01 U	0.0001 J	0.00006 J	0.00012 J	0.00008 J	0.03 U	0.01 U	0.01 U	0.0063	0.0049	0.0006
T	Copper	MG/L	1.3	0.0007	0.0014	0.0033	0.025 U	0.025 U	0.025 U	0.0015	0.00042 J	0.0004 J	0.00041 J	0.025 U	0.025 U	0.025 U	0.0028	0.0083	0.013
T	Iron	MG/L	11	0.35	0.52	0.51	0.404 U	0.569 U	0.114 U	0.1	0.1	0.12	0.06	0.918	0.296 U	1.84 U	0.65	2.1	0.6
T	Lead	MG/L	0.015	0.00005 J	0.00014 J	0.00013 J	0.005 U	0.005 U	0.005 UJ	0.0006	0.00013 J	0.00017 J	0.00013 J	0.005 U	0.005 U	0.005 UJ	0.0014	0.00038 J	0.00018 J
T	Magnesium	MG/L	NA	6.3	5.9	4.5	5.9	6.24 U	6.2	3.5	3.5	3.6	3.6	2.88	2.66	3.32	12	13	3.3
T	Manganese	MG/L	0.84	0.1388	0.1368	0.0594	0.104	0.125 U	0.124	0.0231	0.0219	0.0235	0.0231	0.0073 U	0.005 U	0.0334 U	0.2361	0.5584	0.0184
T	Mercury	MG/L	0.002				0.0002 U	0.0002 U	0.0002 UJ					0.0002 U	0.0002 U	0.0002 UJ			
T	Molybdenum	MG/L	0.04	0.00042 J	0.00069 J	0.0011 J				0.00047 J	0.00044 J	0.00041 J	0.00035 J				0.00036 J	0.00068 J	0.003 U
T	Nickel	MG/L	0.1	0.00041 J	0.0007	0.0008	0.04 U	0.01 U	0.01 U	0.0006	0.0005	0.0006	0.0005	0.04 U	0.01 U	0.01 U	0.0081	0.0097	0.0024
T	Potassium	MG/L	NA	3.4	3.4	6.7	3.48	3.39 U	3.2	2.7	2.5	2.6	2.6	2.35	2.22 J	2.46	7.3	11	3.9
T	Selenium	MG/L	0.05	0.001 U	0.001 U	0.0006 J	0.01 U	0.01 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.001	0.001 J	0.0006 J
T	Silver	MG/L	0.071	0.0005 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U
T	Sodium	MG/L	NA	4.2	3.9	5.2	3.34	3.22 U	2.94	2.5	2.5	2.6	2.5	1.9	1.78	1.64	2.9	8.4	1.9 J
T	Strontium	MG/L	9.3	0.163	0.148	0.19				0.145	0.142	0.147	0.146				0.144	0.215	0.051
T	Thallium	MG/L	0.002	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
T	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 UJ					0.1 U	0.1 U	0.1 UJ			
T	Vanadium	MG/L	0.089	0.0005 U	0.00022 J	0.00014 J	0.025 U	0.01 U	0.01 U	0.00035 J	0.00018 J	0.00033 J	0.00027 J	0.025 U	0.00065 J	0.01 U	0.00025 J	0.0006	0.0004 J
T	Zinc	MG/L	3.13	0.0216	0.0459	0.0227	0.025 U	0.02 U	0.02 U	0.0061	0.0126	0.0056	0.005	0.025 U	0.02 U	0.02 U	0.0317	0.3327	0.0323
T	Sulfate	MG/L	250	73	67	33	42 J	38	38	17	19	17	17	12 J	10 U	11	290	310	21
D	Aluminum	MG/L	16	0.027 J	0.031 J	0.1 U	0.3 U	0.0171 J	0.571	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.0196 J	0.3 U	0.034 J	0.026 J	0.1 U
D	Antimony	MG/L	0.006	0.0005 U	0.0005 U	0.00022 J	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.00015 J	0.00046 J	0.0005 U
D	Arsenic	MG/L	0.01	0.00013 J	0.0005 U	0.00016 J	0.008 U	0.008 U	0.008 U	0.00013 J	0.0005 U	0.00013 J	0.0005 U	0.008 U	0.008 U	0.008 U	0.0005 U	0.00028 J	0.0005 U
D	Barium	MG/L	2	0.0036	0.0046	0.0035	0.005 U	0.005 U	0.0064 U	0.0027	0.0027	0.0034	0.0029	0.005 U	0.0028 J	0.005 UJ	0.0106	0.0285	0.0092
D	Beryllium	MG/L	0.004	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Cadmium	MG/L	0.005	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00005 J	0.00033 J	0.001 U	0.0007	0.00029 J	0.00013 J
D	Calcium	MG/L	NA	41	40	25	37.6	35.9	38.7	30	30	30	31	28.9	25.2	27.8	97	130	38
D	Chromium	MG/L	0.1	0.00032 J	0.0005 U	0.0002 J	0.015 U	0.003 J	0.0186	0.0005 U	0.00022 J	0.0002 J	0.0005 U	0.015 U	0.0014 J	0.01 U	0.00032 J	0.00033 J	0.00039 J
D	Cobalt	MG/L	0.005	0.00008 J	0.00012 J	0.00007 J	0.03 U	0.01 U	0.01 U	0.0005 U	0.00006 J	0.0005 U	0.0005 U	0.03 U	0.01 U	0.01 U	0.007	0.0047	0.0005
D	Copper	MG/L	1.3	0.0008	0.0011	0.001	0.025 U	0.025 U	0.025 U	0.0011	0.0014	0.0013	0.0015	0.025 U	0.025 U	0.025 U	0.003	0.0021	0.0031
D	Iron	MG/L	11	0.31	0.4	0.032 J	0.102 U	0.108	1.09	0.05 U	0.1	0.044 J	0.028 J	0.1 U	0.1 U	0.1 U	0.49	0.6	0.16
D	Lead	MG/L	0.015	0.0005 U	0.00005 J	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.00036 J	0.00009 J	0.00007 J	0.00007 J	0.005 U	0.005 U	0.005 UJ	0.0007	0.0005 U	0.0005 U
D	Magnesium	MG/L	NA	6.9	6.8	4.9	5.89	5.84	6.43	3.7	3.7	3.6	3.8	2.76	2.43	2.52	13	13	3.5
D	Manganese	MG/L	0.84	0.1368	0.1342	0.055	0.098	0.109	0.132	0.0215	0.0219	0.0211	0.0212	0.0027 J	0.005 U	0.005 U	0.2592	0.5507	0.016
D	Mercury	MG/L	0.002				0.0002 U	0.0002 U	0.0002 UJ					0.0002 U	0.0002 U	0.0002 UJ			
D	Molybdenum	MG/L	0.04	0.00049 J	0.00072 J	0.00123 J				0.00051 J	0.00038 J	0.0004 J	0.00035 J				0.003 U	0.00058 J	0.003 U
D	Nickel	MG/L	0.1	0.00047 J	0.0006	0.00049 J	0.04 U	0.01 U	0.0102 U	0.00043 J	0.0006	0.00045 J	0.00047 J	0.04 U	0.01 U	0.01 U	0.0088	0.0093	0.0021
D	Potassium	MG/L	NA	3.6	3.7	6.6	3.44	3.17	3.41	2.7	2.7	2.7	2.7	2.5	2.2	2.26	8.2	11	3.6
D	Selenium	MG/L	0.05	0.001 U	0.001 U	0.0007 J	0.01 U	0.01 U	0.01 U	0.0005 J	0.001 U	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.001	0.001	0.0006 J
D	Silver	MG/L	0.071	0.0005 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U
D	Sodium	MG/L	NA	4.6	4.2	5.3	3.26	3.06 U	2.88	2.7	2.7	2.9	2.6	1.98	1.76	1.57	3.3	8.6	1.7 J
D	Strontium	MG/L	9.3	0.16	0.15	0.17				0.14	0.14	0.14	0.14				0.13	0.22	0.04
D	Thallium	MG/L	0.002	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U
D	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 UJ					0.1 U	0.1 U	0.1 UJ			
D	Vanadium	MG/L	0.089	0.0005 U	0.00014 J	0.0005 U	0.025 U	0.01 U	0.01 U	0.00019 J	0.00022 J	0.00021 J	0.00022 J	0.00065 J	0.01 U	0.01 U	0.00014 J	0.00013 J	0.00018 J
D	Zinc	MG/L	3.13	0.0192	0.046	0.0708	0.025 U	0.02 U	0.02 U	0.00455 J	0.0152	0.0057	0.006	0.025 U	0.02 U	0.02 U	0.0338	0.2934	0.0279

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	IC-07 IC-07 (180-200) 10/22/10 FS	IC-07 EMGWIC-07XX 08/19/11 FS	IC-07 EMGWIC-07XX 08/08/12 FS	IC-07 EMGWIC07XX 08/22/13 FS	IC-08 IC-08 PUMP 09/21/10 FS	IC-08 IC-08 (476-496) 09/26/10 FS	IC-08 IC-08 (150-170) 09/27/10 FS	IC-08 IC-08 (250-270) 09/27/10 FS	IC-08 IC-08 (88-108) 09/28/10 FS	IC-08 EMGWIC-08XX 08/18/11 FS	IC-08 EMGWIC-08XX 08/09/12 FS	IC-08 EMGWIC08XX 08/20/13 FS	IC-09 IC-09 PUMP 09/22/10 FS	IC-09 QC-1 09/22/10 FD	IC-09 IC-09 (710-730) 10/05/10 FS	IC-09 IC-09 (380-400) 10/06/10 FS
T	Aluminum	MG/L	16	0.1 U	3.82	4.39 U	0.482 U	0.044 J	0.032 J	0.16	0.069 J	0.027 J	0.3 U	1.02 U	0.333 U	0.1 U	0.1 U	0.1 U	0.1 U
T	Antimony	MG/L	0.006	0.0005 U	0.0016	0.0022	0.001 U	0.0015	0.0007	0.00013 J	0.00022 J	0.0005 U	0.001 U	0.001 U	0.001 U	0.0006	0.0005	0.0017	0.0006
T	Arsenic	MG/L	0.01	0.0005 U	0.008 U	0.0016 J	0.008 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.008 U	0.0017 J	0.008 U	0.0005 U	0.0005 U	0.00012 J	0.0005 U
T	Barium	MG/L	2	0.008	0.0277	0.0298 U	0.0146	0.0037	0.0048	0.0051	0.0065	0.003	0.0086	0.0146 U	0.0095 U	0.0071	0.0073	0.0094	0.0062
T	Beryllium	MG/L	0.004	0.0005 U	0.00007 J	0.00006 J	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
T	Cadmium	MG/L	0.005	0.00012 J	0.00039 J	0.0014	0.0013 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00004 J	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
T	Calcium	MG/L	NA	38	76	106	114	32	35	38	38	37	46.2	39.4	61.7	37	37	43	36
T	Chromium	MG/L	0.1	0.0003 J	0.0254	0.0257 U	0.01 U	0.0016	0.00029 J	0.0011	0.00044 J	0.00026 J	0.01 U	0.01 U	0.01 U	0.0003 J	0.00048 J	0.0006	0.00032 J
T	Cobalt	MG/L	0.005	0.00038 J	0.0041 J	0.012	0.0105	0.00015 J	0.00019 J	0.00031 J	0.00028 J	0.00017 J	0.01 U	0.01 U	0.01 U	0.00011 J	0.00011 J	0.0007	0.00021 J
T	Copper	MG/L	1.3	0.0082	0.025 U	0.025 U	0.025 UJ	0.001	0.0007	0.0015	0.0008	0.0015	0.025 U	0.025 U	0.025 U	0.0019	0.0021	0.00048 J	0.0012
T	Iron	MG/L	11	0.35	4.76 J	6.81 U	2.37 U	0.11	0.13	0.44	0.29	0.43	0.163 UJ	1.19 U	0.366 U	0.05 U	0.05 U	2.4	0.32
T	Lead	MG/L	0.015	0.00005 J	0.005 U	0.005 U	0.005 UJ	0.00045 J	0.00021 J	0.00031 J	0.00028 J	0.00016 J	0.005 U	0.005 U	0.005 UJ	0.0007	0.0007	0.00024 J	0.00008 J
T	Magnesium	MG/L	NA	3	10.7	15	14.3	3.9	4.1	4	4	3.9	3.41	3.53 U	3.62	4.7	4.8	4.9	4.3
T	Manganese	MG/L	0.84	0.0095	0.191 J	0.667	0.585	0.0183	0.0214	0.0418	0.0351	0.0287	0.0182 J	0.0698 U	0.0332 U	0.058	0.059	0.1291	0.0612
T	Mercury	MG/L	0.002		0.0002 U	0.0004 U	0.0002 UJ						0.0002 U	0.0002 U	0.0002 UJ				
T	Molybdenum	MG/L	0.04	0.00046 J				0.00115 J	0.00041 J	0.00043 J	0.00075 J	0.003 U				0.00049 J	0.00035 J	0.00185 J	0.00064 J
T	Nickel	MG/L	0.1	0.0015	0.0169 U	0.0208 U	0.0126 U	0.0016	0.0013	0.0017	0.0014	0.001	0.01 U	0.01 U	0.01 U	0.0017	0.0018	0.0066	0.0029
T	Potassium	MG/L	NA	3.4	6.52	7.45 J	7.2	2.8	2.9	2.6	2.7	2.3 J	2.06	2.3 U	1.94	2.1 J	2.1 J	3.9	2.1 J
T	Selenium	MG/L	0.05	0.001 U	0.01 U	0.0044 J	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U
T	Silver	MG/L	0.071	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
T	Sodium	MG/L	NA	1.8 J	2.69	5.32	3.02 U	3.7	3.2	1.9 J	1.9 J	1.8 J	1.97	1.64 U	1.72 U	3.3	3.4	5.1	3.3
T	Strontium	MG/L	9.3	0.037				0.323	0.3	0.136	0.143	0.131				0.23	0.237	0.304	0.226
T	Thallium	MG/L	0.002	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
T	Tin	MG/L	9.3		0.1 U	0.1 U	0.1 U						0.1 U	0.1 U	0.1 UJ				
T	Vanadium	MG/L	0.089	0.00015 J	0.0106	0.0109 U	0.01 U	0.00022 J	0.00018 J	0.00049 J	0.00026 J	0.00015 J	0.01 U	0.01 U	0.01 U	0.00011 J	0.00017 J	0.00021 J	0.00016 J
T	Zinc	MG/L	3.13	0.0164	0.0315 U	0.0426 U	0.0229 U	0.0083	0.0082	0.0254	0.0465	0.1224	0.02 U	0.02 U	0.02 U	0.00414 J	0.00418 J	0.0326	0.0144
T	Sulfate	MG/L	250	18	170	240	270	17	17	16	16	16	15	14	17	19	20	17	18
D	Aluminum	MG/L	16	0.03 J	0.3 U	0.3 U	0.3 U	0.024 J	0.026 J	0.1 U	0.022 J	0.1 U	0.3 U	0.3 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U
D	Antimony	MG/L	0.006	0.00013 J	0.001 U	0.001 U	0.001 U	0.0013	0.0007	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005	0.0005	0.0018	0.0006
D	Arsenic	MG/L	0.01	0.0005 U	0.008 U	0.0015 J	0.008 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.008 U	0.008 U	0.008 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
D	Barium	MG/L	2	0.0081	0.0111	0.0139	0.0124	0.0034	0.0042	0.0039	0.0058	0.0027	0.0081	0.0103	0.008 U	0.007	0.0072	0.0098	0.0065
D	Beryllium	MG/L	0.004	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
D	Cadmium	MG/L	0.005	0.00012 J	0.0004 J	0.0011	0.0013 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
D	Calcium	MG/L	NA	36	81.4	99.8	109	31	34	36	35	35	45.4	37.6	58.2	36	37	45	35
D	Chromium	MG/L	0.1	0.00037 J	0.01 U	0.01 U	0.01 U	0.0007	0.0005 U	0.00019 J	0.0005 U	0.0005 U	0.01 U	0.0015 J	0.01 U	0.0005 U	0.00025 J	0.0005 U	0.00022 J
D	Cobalt	MG/L	0.005	0.00037 J	0.0034 J	0.0073 J	0.0098 J	0.00014 J	0.00016 J	0.0002 J	0.00022 J	0.00014 J	0.01 U	0.01 U	0.01 U	0.00011 J	0.00012 J	0.0007	0.00022 J
D	Copper	MG/L	1.3	0.0045	0.025 U	0.025 U	0.025 UJ	0.0012	0.0042	0.0013	0.0014	0.0016	0.025 U	0.025 U	0.025 U	0.0025	0.0027	0.001	0.0015
D	Iron	MG/L	11	0.18	0.26 J	1.08	1.71	0.021 J	0.08	0.09	0.1	0.08	0.1 UJ	0.1 U	0.1 U	0.023 J	0.05 U	1.8	0.19
D	Lead	MG/L	0.015	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.00034 J	0.00007 J	0.0005 U	0.00005 J	0.0005 U	0.005 U	0.005 U	0.005 UJ	0.0006	0.0007	0.0005 U	0.0005 U
D	Magnesium	MG/L	NA	3.1	9.42	12.3	13.7	4.2	4.4	4.1	4	4	3.32	2.82	3.4	5.1	5.2	5	4.2
D	Manganese	MG/L	0.84	0.009	0.146 J	0.426	0.554	0.018	0.0218	0.0334	0.0299	0.0282	0.0071 UJ	0.0103 U	0.0096 U	0.0603	0.0626	0.1395	0.0653
D	Mercury	MG/L	0.002		0.0002 U	0.0002 U	0.0002 UJ						0.0002 U	0.0002 U	0.0002 UJ				
D	Molybdenum	MG/L	0.04	0.00067 J				0.00074 J	0.00038 J	0.003 U	0.003 U	0.003 U				0.00042 J	0.003 U	0.00169 J	0.00053 J
D	Nickel	MG/L	0.1	0.0015	0.01 U	0.0091 J	0.0114	0.0014	0.0014	0.0013	0.0012	0.001	0.01 U	0.01 U	0.01 U	0.0019	0.0019	0.0065	0.0029
D	Potassium	MG/L	NA	3.2	5.66	6.31	6.9	2.8	3.1	2.6	2.6	2.3 J	2.04	2	1.8	2.4 J	2.4 J	3.8	2.1 J
D	Selenium	MG/L	0.05	0.001 U	0.01 U	0.0029 J	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U
D	Silver	MG/L	0.071	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
D	Sodium	MG/L	NA	2	2.45	4.52	2.92	3.8	3.3	2	2	1.7 J	1.95	1.51	1.64	3.6	3.8	5.4	3.4
D	Strontium	MG/L	9.3	0.03				0.31	0.3	0.13	0.13	0.12				0.23	0.23	0.31	0.22
D	Thallium	MG/L	0.002	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
D	Tin	MG/L	9.3		0.1 U	0.1 U	0.1 U						0.1 U	0.1 U	0.1 UJ				
D	Vanadium	MG/L	0.089	0.00016 J	0.01 U	0.01 U	0.0012 J	0.00012 J	0.00012 J	0.00011 J	0.00015 J	0.00013 J	0.01 U	0.01 U	0.01 U	0.00012 J	0.00015 J	0.00019 J	0.00019 J
D	Zinc	MG/L	3.13	0.0189	0.0229 U	0.0259 U	0.0231	0.00416 J	0.0081	0.0241	0.0408	0.1056	0.02 U	0.02 U	0.02 U	0.0056	0.0065	0.0222	0.0165

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	IC-09 IC-09 (650-670) 10/06/10 FS	IC-09 IC-09 (80-100) 10/07/10 FS	IC-09 EMGWIC-09XX 08/18/11 FS	IC-09 EMGWIC-09FD 08/09/12 FD	IC-09 EMGWIC-09XX 08/09/12 FS	IC-09 EMGWIC09XX 08/20/13 FS	IC-10 IC-10 (PUMP) 10/07/10 FS	IC-10 IC-10 (796-816) 10/09/10 FS	IC-10 IC-10 (730-750) 10/10/10 FS	IC-10 IC-10 (650-670) 10/11/10 FS	IC-10 IC-10 (370-390) 10/12/10 FS	IC-10 IC-10 (450-470) 10/12/10 FS	IC-10 IC-10 (190-210) 10/13/10 FS	IC-10 IC-10 (40-60) 10/19/10 FS	IC-10 EMV-GW-IC-10 05/17/11 FS	IC-10 EMGWIC-10FD 08/16/11 FD
T	Aluminum	MG/L	16	0.032 J	0.1 U	0.471 U	0.3 U	0.3 U	1.32	13	15	18	16	0.14	12	0.05 J	0.045 J	1.4	1.3 U
T	Antimony	MG/L	0.006	0.0013	0.00023 J	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.01 U	0.01 U	0.01 U	0.00018 J	0.005 U	0.00026 J	0.0005 U	0.04 U	0.001 U
T	Arsenic	MG/L	0.01	0.00019 J	0.0005 U	0.008 U	0.008 U	0.008 U	0.008 U	0.005 U	0.01 U	0.01 U	0.01 U	0.00012 J	0.005 U	0.0005 U	0.00012 J	0.04 U	0.008 U
T	Barium	MG/L	2	0.011	0.0071	0.0109	0.0111	0.0111	0.0126 U	0.014	0.0115	0.0124	0.0126	0.0126	0.0135	0.0143	0.0192	0.04 U	0.0365
T	Beryllium	MG/L	0.004	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00134 J	0.00153 J	0.00161 J	0.00132 J	0.0005 U	0.00082 J	0.0005 U	0.0005 U	0.016 U	0.00023 J
T	Cadmium	MG/L	0.005	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.103	0.124	0.1027	0.097	0.00014 J	0.0364	0.00006 J	0.0005 U	0.037	0.0699
T	Calcium	MG/L	NA	44	20	41.5	30.7	30.6	41.4	230	260	220	220	50	110	49	32	160	213
T	Chromium	MG/L	0.1	0.0005	0.00019 J	0.015 U	0.0033 J	0.004 J	0.01 U	0.006	0.00807 J	0.00855 J	0.00749 J	0.0004 J	0.0051	0.00028 J	0.00044 J	0.04 U	0.015 U
T	Cobalt	MG/L	0.005	0.0005	0.00024 J	0.03 U	0.01 U	0.01 U	0.01 U	1.499	1.574	1.539	1.547	0.001	0.7539	0.0007	0.00008 J	0.67	0.924
T	Copper	MG/L	1.3	0.0005	0.0033	0.025 U	0.025 U	0.025 U	0.025 U	11.05	12.45	13.8	12.4	0.0187	8.152	0.0056	0.0017	4.1	9.71
T	Iron	MG/L	11	1.9	0.57	0.547 U	0.109	0.112	1.77 U	220	220	200	220	1.2	93	0.94	0.21	82	89.1
T	Lead	MG/L	0.015	0.00025 J	0.00006 J	0.005 U	0.005 U	0.005 U	0.005 UJ	0.0051	0.00951 J	0.00546 J	0.00492 J	0.00014 J	0.00229 J	0.00009 J	0.0005 U	0.04 U	0.005 U
T	Magnesium	MG/L	NA	4.8	3	5.12	3.41	3.46	4.75	57	60	56	58	6.3	28	5.8	2.2	34	40.8
T	Manganese	MG/L	0.84	0.1383	0.0169	0.0265 U	0.0087	0.009	0.0321 U	6.07	6.804	5.916	5.922	0.218	2.355	0.24	0.0048	3.3	3.85
T	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U	0.0002 UJ										0.0002 U
T	Molybdenum	MG/L	0.04	0.00116 J	0.00085 J					0.03 U	0.06 U	0.06 U	0.06 U	0.00103 J	0.03 U	0.0013 J	0.003 U		
T	Nickel	MG/L	0.1	0.0039	0.002	0.04 U	0.01 U	0.01 U	0.01 U	0.4442	0.4738	0.4516	0.453	0.0016	0.2149	0.0011	0.001	0.22	0.299
T	Potassium	MG/L	NA	3.5	1.5 J	2.14	1.86	1.83	1.96	5.9	5.9	5.5	5.8	3.9	4.8	3.9	4.2	5.1	5.53
T	Selenium	MG/L	0.05	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0064 J	0.0091 J	0.02 U	0.02 U	0.001 U	0.01 U	0.001 U	0.001 U	0.04 U	0.0081 J
T	Silver	MG/L	0.071	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.01 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.0005 U	0.0005 U	0.02 U	0.0011 J
T	Sodium	MG/L	NA	5.2	0.92 J	3.24	1.12	1.15	2.12	9.3	9.4	8.8	9.2	3	5.6	2.9	1.8 J	5.3	6.28
T	Strontium	MG/L	9.3	0.268	0.075					0.731	0.766	0.675	0.71	0.282	0.447	0.282	0.137		
T	Thallium	MG/L	0.002	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.0005 U	0.0005 U	0.04 U	0.001 U
T	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U	0.1 UJ										0.1 U
T	Vanadium	MG/L	0.089	0.0002 J	0.00016 J	0.025 U	0.00032 J	0.01 U	0.01 U	0.00136 J	0.0032 J	0.00291 J	0.00219 J	0.00022 J	0.00203 J	0.00024 J	0.0005	0.1 U	0.025 U
T	Zinc	MG/L	3.13	0.0519	0.0249	0.025 U	0.02 U	0.02 U	0.02 U	11.63	9.294	9.792	11.72	0.0553	5.104	0.0318	0.00342 J	3.6	6.06
T	Sulfate	MG/L	250	17	9.8	18 J	10	12	14	1900	1700	1700	1800	84	660	76	21	600	820 J
D	Aluminum	MG/L	16	0.1 U	0.1 U	0.0327 J	0.3 U	0.3 U	0.3 U	10	9.4	14	11	0.1 U	1.3	0.1 U	0.1 U	0.25 U	0.449
D	Antimony	MG/L	0.006	0.0016	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.00037 J	0.0005 U	0.045 U	0.001 U
D	Arsenic	MG/L	0.01	0.00015 J	0.0005 U	0.008 U	0.008 U	0.008 U	0.008 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.0005 U	0.0008	0.045 U	0.008 U
D	Barium	MG/L	2	0.0115	0.0078	0.0091	0.0106	0.0101	0.009	0.0122	0.014	0.0121	0.0137	0.0123	0.0142	0.0136	0.0175	0.045 U	0.0357
D	Beryllium	MG/L	0.004	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00146 J	0.00119 J	0.00136 J	0.0012 J	0.0005 U	0.005 U	0.0005 U	0.0005 U	0.018 U	0.00016 J
D	Cadmium	MG/L	0.005	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.1244	0.104	0.1	0.1021	0.0001 J	0.0366	0.0005 U	0.0005 U	0.034	0.0658
D	Calcium	MG/L	NA	44	20	41.1	30.3	26.9	43	250	230	220	220	50	100	49	31	140	208
D	Chromium	MG/L	0.1	0.00019 J	0.00021 J	0.0011 J	0.0013 J	0.0015 J	0.01 U	0.006	0.00456 J	0.00667 J	0.00525 J	0.0005 U	0.00204 J	0.0005 U	0.00032 J	0.045 U	0.015 U
D	Cobalt	MG/L	0.005	0.0006	0.00026 J	0.03 U	0.01 U	0.01 U	0.01 U	1.588	1.521	1.535	1.591	0.0009	0.7653	0.0006	0.00006 J	0.62	0.903
D	Copper	MG/L	1.3	0.0011	0.004	0.025 U	0.025 U	0.0092 J	0.025 U	12.31	11.31	13.51	12.52	0.0024	7.786	0.0016	0.0015	3.3	9.27
D	Iron	MG/L	11	0.96	0.6	0.1 U	0.1 U	0.101	0.1 U	220	210	210	210	0.4	88	0.54	0.11	68	86
D	Lead	MG/L	0.015	0.0005 U	0.0005 U	0.005 U	0.0016 J	0.0223 J	0.005 UJ	0.0087	0.00457 J	0.00516 J	0.00481 J	0.0005 U	0.00164 J	0.0005 U	0.0005 U	0.045 U	0.005 U
D	Magnesium	MG/L	NA	4.6	2.9	4.68	3.39	3.01	4.12	59	57	56	57	6.5	27	5.9	2.1	29	39.6
D	Manganese	MG/L	0.84	0.1463	0.0199	0.0146 U	0.0045 J	0.0121	0.0087 U	6.846	6.118	5.798	6.134	0.2175	2.39	0.2247	0.0039	2.9	3.78
D	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U	0.0002 UJ										0.0002 U
D	Molybdenum	MG/L	0.04	0.00119 J	0.003 U					0.03 U	0.06 U	0.06 U	0.06 U	0.00083 J	0.03 U	0.00216 J	0.003 U		
D	Nickel	MG/L	0.1	0.0042	0.0023	0.04 U	0.01 U	0.0071 J	0.01 U	0.4799	0.4484	0.4456	0.4598	0.0015	0.2168	0.0011	0.0008	0.2	0.288
D	Potassium	MG/L	NA	3.4	1.5 J	1.94	1.83	1.63	1.76	5.9	5.9	5.7	5.8	3.9	4.6	4.1	4.1	4.7	5.59
D	Selenium	MG/L	0.05	0.001 U	0.001 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0065 J	0.02 U	0.02 U	0.02 U	0.0004 J	0.01 U	0.001 U	0.001 U	0.09 U	0.0051 J
D	Silver	MG/L	0.071	0.0005 U	0.0005 U	0.015 U	0.01 U	0.01 U	0.01 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.0005 U	0.0005 U	0.022 U	0.0011 J
D	Sodium	MG/L	NA	5.5	0.94 J	3.22	1.15	1.02	2.19	9.4	9.2	9.1	9.2	3	5.4	3	1.8 J	5.1	6.2
D	Strontium	MG/L	9.3	0.26	0.08					0.76	0.72	0.7	0.72	0.28	0.43	0.28	0.13		
D	Thallium	MG/L	0.002	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.01 U	0.01 U	0.01 U	0.0005 U	0.005 U	0.0005 U	0.0005 U	0.045 U	0.001 U
D	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U	0.1 UJ										0.1 U
D	Vanadium	MG/L	0.089	0.00017 J	0.00019 J	0.025 U	0.01 U	0.00041 J	0.01 U	0.00132 J	0.01 U	0.01 U	0.01 U	0.00014 J	0.005 U	0.00016 J	0.00041 J	0.045 U	0.001 J
D	Zinc	MG/L	3.13	0.0419	0.03	0.025 U	0.02 U	0.02 U	0.02 U	9.532	11.05	9.538	12.12	0.0518	5.087	0.0313	0.00391 J	3.2	5.9

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	IC-10 EMGWIC-10XX 08/16/11 FS	IC-10 EMGWIC-10XX 08/10/12 FS	IC-10 EMGWIC-10XX 07/18/13 FS	IC-10 EMGWIC10XX 08/19/13 FS	IC-10 EMGWIC-10XX 09/18/13 FS	IC-10 EMGWIC10462 11/05/13 FS	IC-10 EMGWIC10667 11/05/13 FS	IC-10 EMGWIC10747 11/06/13 FS	IC-10 EMGWIC10747FD 11/06/13 FD	IC-10 EMGWIC10809 11/06/13 FS	IC-10 EMGWIC10382 11/07/13 FS	MW-01 MA1Q37 06/13/07 FS	MW-01 MW-1 08/19/09 FS	MW-01C MW-1C 10/07/10 FS	MW-01C EMV-GW-MW-1C 05/17/11 FS
T	Aluminum	MG/L	16	1.42 U	4.25	0.42 U	0.852 U	0.3 U	0.3 U	1.17	3.63	3.16	2.42	12.5	0.74	0.18	0.14	0.11 U
T	Antimony	MG/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.0058	0.0124	0.0132	0.0053	0.0408	0.06 U	0.02 U	0.005 U	0.02 U
T	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.01 U	0.02 U	0.005 U	0.02 U
T	Barium	MG/L	2	0.0375	0.0385	0.0178	0.023 UJ	0.0202	0.0219	0.0332	0.0548	0.0493	0.0512	0.0961	0.0373	0.037	0.0337	0.02 U
T	Beryllium	MG/L	0.004	0.00022 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00014 J	0.00013 J	0.00011 J	0.00038 J	0.00016 U	0.008 U	0.005 U	0.008 U
T	Cadmium	MG/L	0.005	0.0685	0.00031 J	0.001 U	0.001 U	0.001 UJ	0.00035 J	0.0009 J	0.00094 J	0.00091 J	0.0021	0.0073	0.005 U	0.01 U	0.00224 J	0.01 U
T	Calcium	MG/L	NA	216	52.9	34.1	38.4	36	47.1	44.3	49.8	48.5	53.1	46.4	92.9	110	310	53
T	Chromium	MG/L	0.1	0.015 U	0.0172 U	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.0166	0.0139	0.0053 J	0.0436	0.0014	0.02 U	0.005 U	0.02 U
T	Cobalt	MG/L	0.005	0.933	0.0214	0.0024 J	0.01 U	0.0029 J	0.0029 J	0.0114	0.0221	0.0192	0.0452	0.0455	0.0012 U	0.02 U	0.2572	0.02 U
T	Copper	MG/L	1.3	9.92	0.113 U	0.0186 J	0.0348 U	0.025 U	0.0416	0.121	0.514	0.486	0.59	0.88	0.0093	0.02 U	0.016	0.02 U
T	Iron	MG/L	11	91.4	7.92	0.94	1.79 U	0.461 U	0.596	7.73	18.5	17.2	18.2	51.4	0.753	0.21	9.7	0.18
T	Lead	MG/L	0.015	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.002 J	0.0019 J	0.0019 J	0.0014 J	0.0082	R	0.02 U	0.005 U	0.02 U
T	Magnesium	MG/L	NA	41.1	8.75	2.75	3.16 U	3.34	4.9	5.08	6.34	5.97	7.08	9.38	5.26	5.7	75	9.1
T	Manganese	MG/L	0.84	3.93	0.607	0.0966	0.159 U	0.0491 U	0.141	0.385	0.923	0.796	1.38	1.26	0.0336	0.024	6.923	0.52
T	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0001 J			
T	Molybdenum	MG/L	0.04														0.03 U	
T	Nickel	MG/L	0.1	0.302	0.0226 U	0.01 U	0.01 U	0.01 U	0.0064 J	0.015	0.021	0.0196	0.0364	0.0533	0.04 U	0.02 U	0.0323	0.02 U
T	Potassium	MG/L	NA	5.69	4.79	3.27	3.56	3.48	3.56	4.01	4.84	4.52	4.52	6.77	7.12	7	11	4
T	Selenium	MG/L	0.05	0.0057 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.035 UJ	0.02 U	0.01 U	0.02 U
T	Silver	MG/L	0.071	0.00094 J	0.01 U	0.01 U	0.01 U	0.00029 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0014 UJ	0.01 U	0.005 U	0.01 U
T	Sodium	MG/L	NA	6.41	2.58	1.93	2.04 U	2.05	2.38	2.47	2.61	2.56	2.69	3.14	5.22	6	13	3.9
T	Strontium	MG/L	9.3														1.98	
T	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00006 J	0.001 U	0.001 U	0.00016 J	0.0028 UJ	0.02 U	0.005 U	0.02 U
T	Tin	MG/L	9.3	0.1 U	0.0322 J	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U				
T	Vanadium	MG/L	0.089	0.025 U	0.0134	0.0015 J	0.01 U	0.01 U	0.01 U	0.0055 J	0.019	0.0169	0.012	0.0376	0.0024 U	0.02 U	0.005 U	0.05 U
T	Zinc	MG/L	3.13	6.1	0.0448 U	0.02 U	0.02 U	0.02 U	0.102	0.437	0.219	0.201	0.845	0.553	0.0124	0.06 U	0.2114	0.02 U
T	Sulfate	MG/L	250	820 J	62	20	20	22	45	41	53	55	75	27	95	0.12	1100	79
D	Aluminum	MG/L	16	0.478	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.675	0.485	0.3 U	0.3 U	0.0369	0.12 U	0.029 J	0.12 U
D	Antimony	MG/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.00043 J	0.0028	0.0014	0.00056 J	0.0036	0.06 U	0.022 U	0.005 U	0.022 U
D	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.01 U	0.022 U	0.005 U	0.022 U
D	Barium	MG/L	2	0.0364	0.0187	0.016	0.0168 U	0.018	0.0213	0.0241	0.03	0.0292	0.0324	0.015	0.0304	0.034	0.0345	0.022 U
D	Beryllium	MG/L	0.004	0.00019 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00024	0.009 U	0.005 U	0.009 U
D	Cadmium	MG/L	0.005	0.0712	0.001 U	0.001 U	0.001 U	0.001 UJ	0.00034 J	0.00056 J	0.00032 J	0.00026 J	0.00078 J	0.00016 J	0.005 U	0.011 U	0.00231 J	0.011 U
D	Calcium	MG/L	NA	218	48.8	33.7	35.8	36.2	47.8	45.7	46.5	49.2	51.4	38.5	91.7	110	310	47
D	Chromium	MG/L	0.1	0.015 U	0.01 U	0.0011 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0029 J	0.0022 J	0.01 U	0.00054 J	0.01 U	0.022 U	0.005 U	0.022 U
D	Cobalt	MG/L	0.005	0.943	0.0145	0.01 U	0.01 U	0.01 U	0.0028 J	0.0086 J	0.0066 J	0.0051 J	0.015	0.0021 J	0.05 U	0.022 U	0.27	0.022 U
D	Copper	MG/L	1.3	9.73	0.0216 J	0.0098 J	0.025 U	0.025 U	0.0256	0.025 U	0.125	0.0901	0.025 U	0.025 U	0.0019	0.022 U	0.0101	0.022 U
D	Iron	MG/L	11	89.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.319 U	4.04 J	2.9 J	0.207 U	0.1 U	0.0197	0.045 U	7.6	0.054
D	Lead	MG/L	0.015	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.022 U	0.005 U	0.022 U
D	Magnesium	MG/L	NA	41.4	5.79	2.53	2.59	3.22	4.94	4.82	5.17	5.33	6.28	3.59	4.94	5.5	77	8.3
D	Manganese	MG/L	0.84	3.94	0.174	0.0186 U	0.0178 U	0.0298 U	0.139	0.248	0.305	0.254	0.537	0.153	0.0018	0.022 U	7.144	0.47
D	Mercury	MG/L	0.002	0.0002 U	0.00002 J	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U			
D	Molybdenum	MG/L	0.04														0.03 U	
D	Nickel	MG/L	0.1	0.304	0.0115 U	0.01 U	0.01 U	0.01 U	0.0061 J	0.013	0.0098 J	0.0091 J	0.0252	0.0058 J	0.04 U	0.022 U	0.0344	0.022 U
D	Potassium	MG/L	NA	5.62	3.71	3.24	3.18	3.43	3.56	3.81	3.93	4.1	4.19	3.74	6.65	7.1	10	4.1
D	Selenium	MG/L	0.05	0.0041 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0099	0.022 U	0.01 U	0.045 U
D	Silver	MG/L	0.071	0.0009 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U	0.005 U	0.011 U
D	Sodium	MG/L	NA	6.41	2.34	1.91	1.89	2.09	2.39	2.45	2.41	2.53	2.54	2.45	5.93	5.8	13	3.9
D	Strontium	MG/L	9.3														2	
D	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0031	0.022 U	0.005 U	0.022 U
D	Tin	MG/L	9.3	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U				
D	Vanadium	MG/L	0.089	0.0014 J	0.00043 J	0.00028 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0043 J	0.01 U	0.01 U	0.01 U	0.001	0.022 U	0.005 U	0.022 U
D	Zinc	MG/L	3.13	6.16	0.0246 U	0.02 U	0.02 U	0.02 U	0.0858	0.294	0.0819	0.0637	0.422	0.0095 J	0.0068	0.067 U	0.4274	0.022 U

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-01C EMRES-04XX 08/15/11 FS	MW-01C EMRES-04FD 08/08/12 FD	MW-01C EMRES-04XX 08/08/12 FS	MW-01C EMGWMW-1CFD 05/24/13 FD	MW-01C EMGWMW-1CXX 05/24/13 FS	MW-01C EMGWMW-1CXX 06/20/13 FS	MW-01C EMGWMW-1CXX 07/19/13 FS	MW-01C EMGWMW-1CXX 08/16/13 FS	MW-01C EMGWMWICXX 09/17/13 FS	MW-01C EMGWMWICXX 10/21/13 FS	MW-02 MA1Q38 06/13/07 FS	MW-02 MW-2 08/19/09 FS	MW-03 MA1Q39 06/11/07 FS	MW-03 MW-3 08/18/09 FS	MW-04 MA1Q40 06/11/07 FS
T	Aluminum	MG/L	16	0.3 U	0.3 U	0.3 U	0.0383 J	0.0423 J	0.162 J	0.3 U	0.164 J	0.255 J	0.3 U	0.0707 U	0.11 U	0.0462 U	0.11 U	0.0835 U
T	Antimony	MG/L	0.006	0.001 U	0.00008 J	0.00008 J	0.001 U	0.001 U	0.001 U	0.008 U	0.008 UJ	0.008 UJ	0.008 U	0.06 U	0.02 U	0.06 U	0.02 U	0.06 U
T	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0021 J	0.0014 J	0.008 U	0.008 U	0.01 U	0.02 U	0.01 U	0.02 U	0.01 U
T	Barium	MG/L	2	0.0054	0.0073	0.0073	0.0111	0.0109	0.0095	0.0109	0.0104	0.0123	0.0138	0.0225	0.025	0.0304	0.036	0.0373
T	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00031 J	0.005 UJ	0.005 U	0.005 U	0.005 U	0.008 U	0.005 U	0.008 U	0.005 U
T	Cadmium	MG/L	0.005	0.00025 J	0.00045 J	0.00041 J	0.00076 J	0.00086 J	0.00097 J	0.00077 J	0.00092 J	0.00093 J	0.0013 J	0.005 U	0.01 U	0.005 U	0.01 U	0.005 U
T	Calcium	MG/L	NA	63.5	107	106	148	152	147	166	166	191	207	67.4	82	47.7	59	67.9
T	Chromium	MG/L	0.1	0.015 U	0.0006 J	0.01 U	0.00097 J	0.00086 J	0.0009 J	0.0012 J	0.0009 J	0.001 J	0.00093 J	0.01 U	0.02 U	0.01 U	0.02 U	0.01 U
T	Cobalt	MG/L	0.005	0.0214 J	0.0196	0.0201	0.0751	0.0765	0.0736	0.0804	0.0821	0.0962	0.117	0.00065 UJ	0.02 U	0.00064 UJ	0.02 U	0.001 U
T	Copper	MG/L	1.3	0.0025 J	0.0085 J	0.008 J	0.0088 J	0.0093 J	0.0068 J	0.0074 J	0.0037 J	0.0074 J	0.0077 J	0.0012 UJ	0.02 U	0.0041 U	0.02 U	0.0039 U
T	Iron	MG/L	11	0.189	0.484	0.497	0.645	0.673	2.26	0.722	2.66	1.46	3.08	0.0527 U	0.055	0.01 U	0.04 U	19.2
T	Lead	MG/L	0.015	0.005 U	0.005 U	0.0016 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	R	0.02 U	R	0.02 U	R
T	Magnesium	MG/L	NA	12.2	21.2	21	33.9	34.4	32.3	37.1	35.8	41.8	46.4	3.68	4.3	2.94	3.5	4.15
T	Manganese	MG/L	0.84	0.593	0.726	0.709	2.14	2.16	1.88	2.2	2.14	2.52	2.99	0.0635	0.13	0.0016 U	0.02 U	5.83
T	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U		0.0002 U		0.00022
T	Molybdenum	MG/L	0.04															
T	Nickel	MG/L	0.1	0.04 U	0.0037 J	0.0035 J	0.0073 J	0.0073 J	0.0072 J	0.0081 J	0.008 J	0.0089 J	0.0104	0.04 U	0.02 U	0.04 U	0.02 U	0.04 U
T	Potassium	MG/L	NA	4.35	5.29 J	5.06 J	6.49	6.51	6.2	6.15	6.32	6.58	6.99	5.44	5.9	5.4	5.4	6.89
T	Selenium	MG/L	0.05	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.035 UJ	0.02 U	0.035 UJ	0.02 U	0.035 UJ
T	Silver	MG/L	0.071	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0022 U	0.01 U	0.0018 UJ
T	Sodium	MG/L	NA	4.09	5.03	5.1	6.14	6.29	6.04	6.22	5.9	6.37	7.14	4.67	5.7	4.97	6	3.24 U
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.015 U	0.015 U	0.0021 J	0.003 J	0.0046 UJ	0.02 U	0.025 UJ	0.02 U	0.025 UJ
T	Tin	MG/L	9.3	0.1 U	0.1 U	0.0017 J	0.0013 J	0.0029 J	0.0014 J	0.0039 J	0.1 UJ	0.1 U	0.1 U					
T	Vanadium	MG/L	0.089	0.025 U	0.01 U	0.01 U	0.0037 J	0.0034 J	0.004 J	0.0046 J	0.0052 J	0.01 U	0.01 U	0.05 U	0.02 U	0.05 U	0.01 U	0.05 U
T	Zinc	MG/L	3.13	0.0367	0.0267	0.0288	0.0551	0.0558	0.0576	0.109	0.0676	0.112	0.107	0.0035	0.06 U	0.0026 J	0.02 U	0.0076
T	Sulfate	MG/L	250	120 J	260	260	440	440	430	510	490	550	590	72	0.073	38	0.047	130
D	Aluminum	MG/L	16	0.3 U	0.3 U	0.3 U		0.0533 J	0.137 J	0.3 U	0.14 J	0.223 J	0.3 U	0.0619	0.12 U	0.033	0.12 U	0.0994
D	Antimony	MG/L	0.006	0.001 U	0.00007 J	0.00006 J		0.001 U	0.00023 J	0.008 U	0.008 UJ	0.008 UJ	0.008 U	0.06 U	0.022 U	0.06 U	0.022 U	0.06 U
D	Arsenic	MG/L	0.01	0.008 U	0.008 U	0.008 U		0.008 U	0.008 U	0.0016 J	0.0018 J	0.008 U	0.008 U	0.01 U	0.022 U	0.01 U	0.022 U	0.01 U
D	Barium	MG/L	2	0.0053	0.0072	0.0073		0.011	0.0093	0.0109	0.0102	0.0126	0.0142	0.0217	0.023	0.0294	0.038	0.0363
D	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.00016	0.009 U	0.00017	0.009 U	0.00017
D	Cadmium	MG/L	0.005	0.00022 J	0.00036 J	0.00041 J		0.00084 J	0.00081 J	0.00081 J	0.00091 J	0.00098 J	0.0011 J	0.005 U	0.011 U	0.005 U	0.011 U	0.005 U
D	Calcium	MG/L	NA	63.6	104	105		149	148	164	164	191	208	67.5	77	47.3	58	68
D	Chromium	MG/L	0.1	0.015 U	0.00079 J	0.0004 J		0.0013 J	0.0009 J	0.0016 J	0.00084 J	0.001 J	0.00091 J	0.01 U	0.022 U	0.01 U	0.022 U	0.01 U
D	Cobalt	MG/L	0.005	0.0212 J	0.0206	0.0198		0.0752	0.0781	0.0818	0.0822	0.0971	0.119	0.05 U	0.022 U	0.05 U	0.022 U	0.05 U
D	Copper	MG/L	1.3	0.0024 J	0.0055 J	0.0046 J		0.0094 J	0.0035 J	0.0061 J	0.0033 J	0.0086 J	0.0084 J	0.025 U	0.022 U	0.003	0.022 U	0.0031
D	Iron	MG/L	11	0.111	0.397	0.402		0.663	2	0.698	2.5	1.45	3.07	0.0352	0.045 U	0.1 U	0.045 U	19
D	Lead	MG/L	0.015	0.005 U	0.0014 J	0.0012 J		0.005 U	0.005 U	0.0085	0.005 UJ	0.005 U	0.005 U	0.01 U	0.022 U	0.01 U	0.022 U	0.01 U
D	Magnesium	MG/L	NA	12.2	20.8	21		33.9	32.3	37.4	35.8	42	47 J	3.69	4.1	2.91	3.5	4.13
D	Manganese	MG/L	0.84	0.596	0.698	0.693		2.12	1.91	2.18	2.12	2.57	2.99	0.0297	0.022 U	0.00053	0.022 U	5.79
D	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.0002 U		0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U		0.0002 U		0.0002 U
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1	0.04 U	0.0033 J	0.0035 J		0.0073 J	0.0078 J	0.008 J	0.0078 J	0.0095 J	0.0105	0.04 U	0.022 U	0.04 U	0.022 U	0.04 U
D	Potassium	MG/L	NA	4.27	5.13	5.03		6.39	6.26 J	6.06	6.32	6.71	6.98	5.27	5.6	5.31	5.8	6.67
D	Selenium	MG/L	0.05	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.035 U	0.022 U	0.035 U	0.022 U	0.035 U
D	Silver	MG/L	0.071	0.015 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U
D	Sodium	MG/L	NA	4.06	4.96	5.11		6.16	6.17	6.2	5.84	6.48	7.16	5.41	5.3	5.7	6	3.13
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.015 U	0.015 U	0.0017 J	0.0027 J	0.025 U	0.022 U	0.025 U	0.022 U	0.025 U
D	Tin	MG/L	9.3	0.1 U	0.1 U	0.1 U		0.0024 J	0.0012 J	0.002 J	0.1 UJ	0.1 U	0.1 U					
D	Vanadium	MG/L	0.089	0.025 U	0.01 U	0.01 U		0.0036 J	0.0039 J	0.0046 J	0.0052 J	0.01 U	0.01 U	0.00079	0.022 U	0.00081	0.022 U	0.05 U
D	Zinc	MG/L	3.13	0.0343	0.0266	0.0257		0.0556	0.0489	0.123	0.0641	0.122	0.114	0.0023	0.067 U	0.0025	0.067 U	0.0033

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-04 MW-4 08/18/09 FS	MW-14B EMV-GW-MW14B 12/04/02 FS	MW-14B EMV-GW-MW14B 07/30/03 FS	MW-14B EMGWMW-14BFD 08/22/11 FD	MW-14B EMGWMW-14BXX 08/22/11 FS	MW-14B EMGWMW14BXX 08/06/12 FS	MW-14B EMGWMW14BXX 08/07/13 FS	MW-14C EMV-GW-MW14C 12/04/02 FS	MW-14C EMV-GW-MW14C 07/30/03 FS	MW-14C MW-14C FA 10/05/09 FS	MW-14C EMGWMW-14CXX 08/22/11 FS	MW-14C EMGWMW14CXX 08/08/12 FS	MW-14C EMGWMW14CXX 08/07/13 FS
T	Aluminum	MG/L	16	0.11 U	0.07	0.0362 U	0.138 J	0.275 J	0.3 U	0.202 J	0.28	0.0362 U	12.5459	0.292 J	0.248 J	0.3 UJ
T	Antimony	MG/L	0.006	0.02 U	0.001 U	0.0039 U	0.001 U	0.001 U	0.00011 J	0.001 U	0.001 U	0.0039 U	0.0503 U	0.001 U	0.00015 J	0.001 U
T	Arsenic	MG/L	0.01	0.02 U	0.003 U	0.002 U	0.008 U	0.008 U	0.0022 J	0.008 UJ	0.003 U	0.002 U	0.051 U	0.008 U	0.008 U	0.008 UJ
T	Barium	MG/L	2	0.052	0.036	0.0265	0.0204	0.0263	0.0223	0.0201	0.035	0.0336	0.0483	0.0372	0.0394	0.0372
T	Beryllium	MG/L	0.004	0.008 U	0.0005 U	0.0001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0001 U	0.011 U	0.001 U	0.001 U	0.001 U
T	Cadmium	MG/L	0.005	0.01 U	0.0001 J	0.00021 U	0.001 U	0.00006 J	0.00016 J	0.00019 J	0.0003	0.00021 U	0.00841 U	0.0002 J	0.00037 J	0.001 U
T	Calcium	MG/L	NA	73	252	221	188	190	182	184	102	54.5	137.8	147	142	177
T	Chromium	MG/L	0.1	0.02 U	0.05 U	0.00047 U	0.01 U	0.01 U	0.001 J	0.01 U	0.05 U	0.0004 U	0.0132 U	0.0021 J	0.01 U	0.01 U
T	Cobalt	MG/L	0.005	0.02 U	0.05 U	0.00099 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.05 U	0.0031 U	0.1076 U	0.0022 J	0.0063 J	0.01 UJ
T	Copper	MG/L	1.3	0.02 U	0.05 U	0.0019 U	0.0018 J	0.0036 J	0.025 U	0.025 U	0.05 U	0.0019 U	2.63 U	0.0029 J	0.025 U	0.025 U
T	Iron	MG/L	11	20	0.46	1.43	0.512 J	5.2 J	1.23	1.78	0.44	0.149 UJ	18.82 U	2.27 J	0.908	0.226
T	Lead	MG/L	0.015	0.02 U	0.0002 J	0.0014 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.0005 U	0.0014 U	0.0515 U	0.005 U	0.0012 J	0.005 UJ
T	Magnesium	MG/L	NA	4.7	30.8	30.2	24.1	24.4	24.3	22.7	10.9	6.39	22.9	14.2	14.3	16.7
T	Manganese	MG/L	0.84	3.3	0.321	0.343	0.296 J	0.547 J	0.457	0.369	0.88	0.531	2.194	0.321 J	0.609	0.324
T	Mercury	MG/L	0.002		0.001 U	0.00002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.001 U	0.00002 U		0.0002 U	0.0002 U	0.0002 UJ
T	Molybdenum	MG/L	0.04		0.05 U	0.0007 U					0.05 U	0.0007 U	0.022 U			
T	Nickel	MG/L	0.1	0.02 U	0.05 U	0.0018 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.0024 U	0.0472 U	0.01 U	0.01 U	0.01 U
T	Potassium	MG/L	NA	9.5	8	8.08	7.38	7.4	7.29 J	7.74	6.2	4.49	9.84	4.38	4.43 J	5.02
T	Selenium	MG/L	0.05	0.02 U	0.003 U	0.0038 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.008 U	0.0038 U	0.2013 U	0.01 U	0.01 U	0.01 UJ
T	Silver	MG/L	0.071	0.01 U	0.03 U	0.00076 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03 U	0.00076 U	0.006 U	0.01 U	0.01 U	0.01 U
T	Sodium	MG/L	NA	3.6	6.8	7.32	6.73	6.82	6.52	6.63	6.6	4.3	8.394	7.31	7.19	7.7
T	Strontium	MG/L	9.3		1.05	1.23					0.78	0.477	0.968			
T	Thallium	MG/L	0.002	0.02 U	0.0003 U	0.0011 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0003 U	0.0011 U	0.0001	0.001 U	0.001 U	0.001 U
T	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 U	0.1 U				0.1 U	0.1 U	0.1 U
T	Vanadium	MG/L	0.089	0.01 U	0.03 U	0.0014 U	0.01 U	0.01 U	0.01 U	0.00074 J	0.03 U	0.0014 U	0.0105 U	0.01 U	0.01 U	0.01 UJ
T	Zinc	MG/L	3.13	0.02 U	0.01 J	0.0027 UJ	0.0096 J	0.0114 J	0.02 U	0.02 U	0.05 U	0.0091 UJ	0.546 U	0.0148 J	0.02 U	0.02 U
T	Sulfate	MG/L	250	0.16	499	551	460	440	480	460	162	98.5	789.1	140	400	460
D	Aluminum	MG/L	16	0.12 U	0.2 U	0.0362 U	0.132 J	0.113 J	0.3 U	0.166 J	0.2 U	0.0362 U		0.0912 J	0.3 U	0.3 UJ
D	Antimony	MG/L	0.006	0.022 U	0.001 U	0.0039 U	0.001 U	0.001 U	0.00008 J	0.001 U	0.001 U	0.0039 U		0.001 U	0.001 U	0.001 U
D	Arsenic	MG/L	0.01	0.022 U	0.003 U	0.002 U	0.008 U	0.008 U	0.0019 J	0.008 UJ	0.003 U	0.002 U		0.008 U	0.008 U	0.008 UJ
D	Barium	MG/L	2	0.049	0.038	0.0327	0.0229	0.0198	0.0183	0.0176	0.036	0.0333		0.0343	0.0375	0.037
D	Beryllium	MG/L	0.004	0.009 U	0.0005 U	0.0001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0001 U		0.001 U	0.001 U	0.001 U
D	Cadmium	MG/L	0.005	0.011 U	0.0005 U	0.00021 U	0.00004 J	0.001 U	0.00008 J	0.001 U	0.0003	0.00021 U		0.00008 J	0.001 U	0.001 U
D	Calcium	MG/L	NA	72	233	222	184	181	182	194	102	56.4		149	145	167
D	Chromium	MG/L	0.1	0.022 U	0.05 U	0.00094 U	0.01 U	0.01 U	0.00069 J	0.01 U	0.05 U	0.00052 U		0.0014 J	0.00057 J	0.01 U
D	Cobalt	MG/L	0.005	0.022 U	0.05 U	0.00099 U	0.01 U	0.01 U	0.00036 J	0.01 UJ	0.05 U	0.0024 U		0.0015 J	0.0056 J	0.01 UJ
D	Copper	MG/L	1.3	0.022 U	0.05 U	0.0019 U	0.0016 J	0.0013 J	0.025 U	0.025 U	0.05 U	0.0019 U		0.0016 J	0.025 U	0.025 U
D	Iron	MG/L	11	19	0.28	0.88	2.66 J	0.488 J	0.425	0.397	0.05	0.0266 UJ		0.0736 J	0.0311 J	0.1 U
D	Lead	MG/L	0.015	0.022 U	0.0005 U	0.0016 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.0005 U	0.0014 U		0.005 U	0.005 U	0.005 UJ
D	Magnesium	MG/L	NA	4.6	31.7	30.2	23.6	23	24	22.9	11.3	6.61		14.4	14.3	15.8
D	Manganese	MG/L	0.84	3.3	0.329	0.342	0.436 J	0.294 J	0.157	0.296	0.845	0.488		0.296 J	0.544	0.255 U
D	Mercury	MG/L	0.002		0.001 U	0.00002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.001 U	0.00002 U		0.0002 U	0.0002 U	0.0002 UJ
D	Molybdenum	MG/L	0.04		0.05 U	0.0007 U					0.05 U	0.0007 U				
D	Nickel	MG/L	0.1	0.022 U	0.05 U	0.0018 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.0023 U		0.01 U	0.01 U	0.01 U
D	Potassium	MG/L	NA	9.5	8.9	7.95	7.22	7.09	7.36	7.61	6.5	4.44		4.38	4.44	5.11
D	Selenium	MG/L	0.05	0.022 U	0.008 U	0.0038 U	0.01 U	0.01 U	0.01 U	0.01 U	0.008 U	0.0038 U		0.01 U	0.01 U	0.01 U
D	Silver	MG/L	0.071	0.011 U	0.03 UJ	0.00076 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03 UJ	0.00076 U		0.01 U	0.01 U	0.01 U
D	Sodium	MG/L	NA	3.7	7.7	7.5	6.6	6.49	6.54	6.6	7.2	4.61		7.33	7.39	7.81
D	Strontium	MG/L	9.3		1.14	1.21					0.84	0.504				
D	Thallium	MG/L	0.002	0.022 U	0.0003 U	0.0011 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0003 U	0.0011 U		0.001 U	0.001 U	0.001 U
D	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 U	0.1 U				0.1 U	0.1 U	0.0013 J
D	Vanadium	MG/L	0.089	0.011 U	0.03 U	0.0014 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.03 U	0.0014 U		0.01 U	0.01 U	0.01 UJ
D	Zinc	MG/L	3.13	0.022 U	0.05 U	0.0238 UJ	0.01 J	0.0106 J	0.02 U	0.02 U	0.05 U	0.013 UJ		0.0113 J	0.02 U	0.02 U

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

				MW-15C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C
				EMV-GW-MW15C	EMV-GW-MW16C	EMV-GW-QS1	EMGWMW-16CXX	EMGWMW16CXX	EMGWMW16CXX	EMV-GW-MW17C (307-317)	EMV-GW-MW17C (277-287)	EMV-GW-MW17C (287-297)	EMV-GW-MW17C (297-307)	EMV-GW-MW17CQ
				11/11/03	11/12/03	11/12/03	08/19/11	08/08/12	08/07/13	11/03/03	11/04/03	11/04/03	11/04/03	11/04/03
				FS	FS	FD	FS	FS	FS	FS	FS	FS	FS	FD
T/D	**Analyte**	**Units**	**Screening Value**											
T	Aluminum	MG/L	16	0.274	0.0295	0.0332	0.377	0.27 J	0.3 UJ	0.277	0.861	0.77	1.94	0.746
T	Antimony	MG/L	0.006	0.0031 U	0.0031 U	0.0031 U	0.001 U	0.00009 J	0.001 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U
T	Arsenic	MG/L	0.01	0.0025 U	0.0025 U	0.0025 U	0.008 U	0.008 U	0.008 UJ	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
T	Barium	MG/L	2	0.0077 U	0.0165 U	0.0168 U	0.0198	0.0195	0.0164	0.0123 U	0.0157 U	0.0148 U	0.0261	0.0141 U
T	Beryllium	MG/L	0.004	0.00013 U	0.00013 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
T	Cadmium	MG/L	0.005	0.00015 U	0.00015 U	0.00015 U	0.00037 J	0.0004 J	0.001 U	0.00068 U	0.0013	0.0012	0.0019	0.0013
T	Calcium	MG/L	NA	56.8	39.6	40	38.6	35.3	33.9	27.9	29	29	28.4	28.6
T	Chromium	MG/L	0.1	0.0014 U	0.00072 U	0.00062 U	0.0017 J	0.01 U	0.01 U	0.0092	0.0056	0.0045	0.0124	0.0041
T	Cobalt	MG/L	0.005	0.0011 U	0.00064 U	0.0009 U	0.00046 J	0.01 U	0.01 UJ	0.0011 U	0.0011 U	0.00096 U	0.0019 U	0.00089 U
T	Copper	MG/L	1.3	0.0026 U	0.0023 U	0.0023 U	0.0077 J	0.025 U	0.025 U	0.0104 U	0.0082 U	0.0023 U	0.0101 U	0.0023 U
T	Iron	MG/L	11	1.2	0.0243 U	0.0243 U	0.371	0.446	0.1 U	5.37	11.4	12.2	16.4	11.5
T	Lead	MG/L	0.015	0.0013 U	0.0013 U	0.0013 U	0.005 U	0.005 U	0.005 UJ	0.0032 U	0.0033 U	0.0022 U	0.0033 U	0.0024 U
T	Magnesium	MG/L	NA	7.94	3.31	3.32	3.05	2.65	2.46	3.82	3.9	3.9	4.53	3.91
T	Manganese	MG/L	0.84	0.191	0.0126	0.0128	0.0111 U	0.0077 U	0.005 U	0.0855	0.118	0.122	0.178	0.118
T	Mercury	MG/L	0.002	0.00003 U	0.00003 U	0.00003 U	0.0002 U	0.0002 U	0.0002 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U
T	Molybdenum	MG/L	0.04	0.001 U	0.0011 U	0.0012 U				0.0231	0.026	0.0272	0.0293	0.0286
T	Nickel	MG/L	0.1	0.0014 U	0.0012 U	0.0013 U	0.04 U	0.01 U	0.01 U	0.007	0.0084	0.0084	0.0127	0.0079
T	Potassium	MG/L	NA	5.26	4.04	4.13	3.08	2.81 J	2.88 U	6.04	4.93	5.11	5.67	5.04
T	Selenium	MG/L	0.05	0.0016 U	0.0016 U	0.0016 U	0.01 U	0.01 U	0.01 UJ	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
T	Silver	MG/L	0.071	0.00053 U	0.00053 U	0.00053 U	0.015 U	0.01 U	0.01 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U
T	Sodium	MG/L	NA	3.83	2.01	1.98	1.99	1.99	1.61 U	7.13	6.17	6.39	6.5	6.31
T	Strontium	MG/L	9.3	0.226	0.0672	0.0697				0.197	0.194	0.198	0.204	0.196
T	Thallium	MG/L	0.002	0.0019 U	0.0019 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0023 J
T	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 U					
T	Vanadium	MG/L	0.089	0.00099 U	0.00099 U	0.00099 U	0.0014 J	0.00088 J	0.01 UJ	0.0018 U	0.0026 U	0.0026 U	0.0053 U	0.0024 U
T	Zinc	MG/L	3.13	0.0025 UJ	0.002 UJ	0.002 UJ	0.0154 J	0.02 U	0.02 U	0.0911	0.0834	0.0739	0.126	0.0718
T	Sulfate	MG/L	250	81.6	22.8	22.2	22 J	22	16	13.6	14	13.6	16.1	15.1
D	Aluminum	MG/L	16	0.0085 U	0.015 J	0.0171	0.0449 J	0.3 U	0.3 UJ	0.0145 U	0.0151 U	0.014 U	0.0129 U	0.0188 U
D	Antimony	MG/L	0.006	0.0031 U	0.0031 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U
D	Arsenic	MG/L	0.01	0.0025 U	0.0027 U	0.0025 U	0.008 U	0.008 U	0.008 UJ	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
D	Barium	MG/L	2	0.006 U	0.0159 U	0.016 U	0.0169	0.017	0.0165	0.0069 U	0.0057 U	0.0058 U	0.0079 U	0.0056 U
D	Beryllium	MG/L	0.004	0.00013 U	0.00013 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
D	Cadmium	MG/L	0.005	0.00015 U	0.00015 U	0.00015 U	0.00026 J	0.00031 J	0.001 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
D	Calcium	MG/L	NA	55.8	39	39.2	37.1	34.5	33.7	27.7	28.8	28	27.9	28.7
D	Chromium	MG/L	0.1	0.0007 U	0.00057 U	0.00067 U	0.00096 J	0.01 U	0.01 U	0.00043 UJ	0.0004 UJ	0.00054 UJ	0.00021 U	0.0011 UJ
D	Cobalt	MG/L	0.005	0.0011 U	0.001 U	0.00076 U	0.03 U	0.01 U	0.01 UJ	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U
D	Copper	MG/L	1.3	0.0026 U	0.0023 U	0.0023 U	0.0014 J	0.0039 J	0.025 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
D	Iron	MG/L	11	0.917	0.0243 U	0.0243 U	0.1 U	0.1 U	0.1 U	0.166	0.163	0.161	0.439	0.205
D	Lead	MG/L	0.015	0.0013 U	0.0013 U	0.0013 U	0.005 U	0.005 U	0.005 UJ	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
D	Magnesium	MG/L	NA	7.73	3.19	3.22	2.84	2.54	2.47	3.75	3.6	3.52	3.65	3.54
D	Manganese	MG/L	0.84	0.185	0.0116	0.0117	0.005 U	0.0028 J	0.005 U	0.0677	0.074	0.0758	0.0961	0.0772
D	Mercury	MG/L	0.002	0.00003 U	0.00003 U	0.00003 U	0.0002 U	0.0002 U	0.0002 UJ	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U
D	Molybdenum	MG/L	0.04	0.00094 U	0.00094 U	0.0011 U				0.0235	0.0264	0.0274	0.0286	0.0269
D	Nickel	MG/L	0.1	0.0011 U	0.0016 U	0.0016 U	0.04 U	0.01 U	0.01 U	0.0022 J	0.0011 U	0.0012 J	0.0012 J	0.0011 U
D	Potassium	MG/L	NA	5.21	3.9	3.9	2.87	2.69	2.84	5.78	4.52	4.64	4.97	4.78
D	Selenium	MG/L	0.05	0.0016 U	0.0016 U	0.0016 U	0.01 U	0.01 U	0.01 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
D	Silver	MG/L	0.071	0.00053 U	0.00053 U	0.00053 U	0.015 U	0.01 U	0.01 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U
D	Sodium	MG/L	NA	3.99	1.97	1.95	1.91	1.96	1.66	7.08	6.13	6.18	6.36	6.36
D	Strontium	MG/L	9.3	0.239	0.0664	0.0668				0.194	0.186	0.182	0.193	0.188
D	Thallium	MG/L	0.002	0.0019 U	0.0019 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0023 J	0.0019 U	0.0019 U	0.0019 U	0.0019 U
D	Tin	MG/L	9.3				0.1 U	0.1 U	0.1 U					
D	Vanadium	MG/L	0.089	0.00099 U	0.00099 U	0.00099 U	0.00023 J	0.01 U	0.01 UJ	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U
D	Zinc	MG/L	3.13	0.0029 UJ	0.0025 UJ	0.0024 UJ	0.0139 J	0.02 U	0.02 U	0.0158 U	0.016 U	0.0153 U	0.0075 U	0.0154 U

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

				MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C
				EMV-GW-MW17C (257-267)	EMV-GW-MW17C (267-277)	EMV-GW-MW17C (217-227)	EMV-GW-MW17C (227-237)	EMV-GW-MW17C (237-247)	EMV-GW-MW17C (247-257)	EMV-GW-MW17C (207-217)	EMV-GW-MW17C (197-207)	EMGWMW17CXX
				11/05/03	11/05/03	11/06/03	11/06/03	11/06/03	11/06/03	11/07/03	11/10/03	09/20/11
				FS	FS	FS	FS	FS	FS	FS	FS	FS
T/D	**Analyte**	**Units**	**Screening Value**									
T	Aluminum	MG/L	16	0.878	0.395	0.816	0.599	0.665	0.418	0.341	0.255	0.142 J
T	Antimony	MG/L	0.006	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.001 U
T	Arsenic	MG/L	0.01	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0034 U	0.008 U
T	Barium	MG/L	2	0.0121 U	0.0093 U	0.0134 U	0.0118 U	0.013 U	0.0103 U	0.0094 U	0.0124 U	0.005 U
T	Beryllium	MG/L	0.004	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.001 U
T	Cadmium	MG/L	0.005	0.001 U	0.00084 U	0.0012	0.0011	0.0013	0.00078 U	0.0008 U	0.00065 U	0.001 U
T	Calcium	MG/L	NA	31.1	29.7	31.5	30.8	31.5	31.5	30.5	28.2	30.4
T	Chromium	MG/L	0.1	0.0053	0.0037	0.006	0.0043	0.0051	0.0108	0.0032	0.0029	0.015 U
T	Cobalt	MG/L	0.005	0.0012 U	0.00064 U	0.00097 U	0.001 U	0.0011 U	0.00098 U	0.00067 U	0.0011 U	0.00068 J
T	Copper	MG/L	1.3	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0096 U	0.0023 U	0.0023 U	0.025 U
T	Iron	MG/L	11	9.58	8.27	11.6	10.6	13.2	6.87	7.65	5.77	1.02
T	Lead	MG/L	0.015	0.0025 U	0.0024 U	0.0022 U	0.0017 U	0.0028 U	0.0048 U	0.0025 U	0.0013 U	0.005 U
T	Magnesium	MG/L	NA	4.1	3.58	3.76	3.59	3.64	3.58	3.45	3.53	3.27
T	Manganese	MG/L	0.84	0.104	0.0899	0.109	0.095	0.112	0.0928	0.0898	0.0962	0.0769
T	Mercury	MG/L	0.002	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.0002 U
T	Molybdenum	MG/L	0.04	0.0154	0.0197	0.0119	0.0115	0.0117	0.0165	0.0099	0.0152	
T	Nickel	MG/L	0.1	0.0091	0.006	0.0099	0.0088	0.0105	0.0089	0.0056	0.0052 U	0.0019 J
T	Potassium	MG/L	NA	4.11	4.24	3.86	3.78	3.92	5.05	3.91	4.32	3.1
T	Selenium	MG/L	0.05	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.01 U
T	Silver	MG/L	0.071	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.015 U
T	Sodium	MG/L	NA	6.25	5.58	4.68	4.55	4.79	4.82	4.87	4.91	4.59
T	Strontium	MG/L	9.3	0.217	0.188	0.19	0.185	0.194	0.195	0.177	0.201	
T	Thallium	MG/L	0.002	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.001 U
T	Tin	MG/L	9.3									0.1 U
T	Vanadium	MG/L	0.089	0.0023 U	0.0013 U	0.0026 U	0.0026 U	0.0025 U	0.0016 U	0.0015 U	0.0017 U	0.00061 J
T	Zinc	MG/L	3.13	0.0826	0.03	0.126	0.0716	0.101	0.0339	0.144	0.0873	0.025 U
T	Sulfate	MG/L	250	13.5	12.7	14.2	14	13.4	16.3	13.4	16.5	14
D	Aluminum	MG/L	16	0.011 U	0.0173 U	0.011 U	0.0208 U	0.0207 U	0.0179 U	0.0121 U	0.0085 U	0.3 U
D	Antimony	MG/L	0.006	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.001 U
D	Arsenic	MG/L	0.01	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.008 U
D	Barium	MG/L	2	0.0053 U	0.0044 U	0.0045 U	0.0045 U	0.005 U	0.0046 U	0.0051 U	0.0087 U	0.005 U
D	Beryllium	MG/L	0.004	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.001 U
D	Cadmium	MG/L	0.005	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.001 U
D	Calcium	MG/L	NA	29.9	29.3	30.6	31.7	31.3	30.5	30.5	27.9	30.5
D	Chromium	MG/L	0.1	0.00067 UJ	0.00056 UJ	0.00053 UJ	0.00043 UJ	0.00043 UJ	0.00088 UJ	0.00071 UJ	0.00042 U	0.015 U
D	Cobalt	MG/L	0.005	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00097 U	0.03 U
D	Copper	MG/L	1.3	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.025 U
D	Iron	MG/L	11	0.112	0.0438	0.0979	0.0877	0.077	0.0395	0.133	1.08	0.1 U
D	Lead	MG/L	0.015	0.0013 U	0.0013 U	0.0013 U	0.0014 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.005 U
D	Magnesium	MG/L	NA	3.66	3.5	3.4	3.33	3.35	3.42	3.35	3.41	3.25
D	Manganese	MG/L	0.84	0.0613	0.0597	0.0591	0.057	0.0595	0.0614	0.0647	0.0815	0.0162
D	Mercury	MG/L	0.002	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.00003 U	0.0002 U
D	Molybdenum	MG/L	0.04	0.0159	0.0197	0.0112	0.0113	0.0109	0.0145	0.0097	0.0154	
D	Nickel	MG/L	0.1	0.0012 J	0.0012 J	0.0015 J	0.0011 U	0.0011 U	0.0018 J	0.0013 J	0.0028 U	0.04 U
D	Potassium	MG/L	NA	4.12	4.01	3.75	3.59	3.6	4.79	3.89	4.04	3.08
D	Selenium	MG/L	0.05	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.01 U
D	Silver	MG/L	0.071	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.00053 U	0.015 U
D	Sodium	MG/L	NA	6.1	5.34	4.93	4.73	4.75	4.69	4.93	4.77	4.59
D	Strontium	MG/L	9.3	0.194	0.187	0.173	0.186	0.186	0.187	0.176	0.193	
D	Thallium	MG/L	0.002	0.0019 U	0.0019 U	0.0019 U	0.0019 J	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.001 U
D	Tin	MG/L	9.3									0.1 U
D	Vanadium	MG/L	0.089	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.025 U
D	Zinc	MG/L	3.13	0.0291	0.0064 U	0.04	0.0294	0.0268	0.0065 U	0.0529	0.0203 UJ	0.025 U

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-17C EMGWMW17CXX 08/13/12 FS	MW-17C EMGWMW17CXX 08/08/13 FS	MW-18B EMV-GW-MW18B 11/11/03 FS	MW-18B EMGWMW-18BXX 08/22/11 FS	MW-18B EMGWMW18BXX 08/07/12 FS	MW-18B EMGWMW18BXX 08/05/13 FS	MW-18C EMV-GW-MW18C 11/11/03 FS	MW-18C EMGWMW-18CXX 08/22/11 FS	MW-18C EMGWMW18CXX 08/07/12 FS	MW-18C EMGWMW18CXX 08/05/13 FS	MW-21C EMV-GW-MW21C 11/12/03 FS	MW-21C EMGWMW-21CXX 08/19/11 FS	MW-21C EMGWMW21CXX 08/08/12 FS
T	Aluminum	MG/L	16	0.0453 J	0.3 U	0.0288	0.136 J	0.3 U	0.219 J	0.0687	0.024 J	0.0381 J	0.0344 J	0.0611	0.0208 J	0.0153 J
T	Antimony	MG/L	0.006	0.001 U	0.001 U	0.0031 U	0.0011 U	0.00099 J	0.0012	0.0031 U	0.001 U	0.00027 J	0.00044 J	0.0031 U	0.001 U	0.001 U
T	Arsenic	MG/L	0.01	0.008 U	0.008 UJ	0.0025 U	0.008 U	0.0021 J	0.008 UJ	0.0025 U	0.008 U	0.008 U	0.008 UJ	0.0031 U	0.008 U	0.008 U
T	Barium	MG/L	2	0.0036 J	0.0056 U	0.0848	0.0444	0.0453	0.0517	0.0099 U	0.0074	0.0083	0.0085	0.0054 U	0.0054	0.0051
T	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U
T	Cadmium	MG/L	0.005	0.001 U	0.001 U	0.00015 U	0.0001 J	0.00003 J	0.001 U	0.00015 U	0.00005 J	0.00013 J	0.001 U	0.00015 U	0.00009 J	0.001 U
T	Calcium	MG/L	NA	32.1	32	198	237	230	249	35.8	8.43	7.1	6.88	9.96	7.54	7.39
T	Chromium	MG/L	0.1	0.00059 J	0.01 U	0.092	0.0022 J	0.0012 J	0.01 U	0.0387	0.00067 J	0.01 U	0.01 U	0.00061 U	0.00039 J	0.01 U
T	Cobalt	MG/L	0.005	0.01 U	0.01 U	0.0011 U	0.0019 J	0.0016 J	0.0014 J	0.00074 U	0.01 U	0.01 U	0.01 UJ	0.00093 U	0.01 U	0.01 U
T	Copper	MG/L	1.3	0.025 U	0.025 U	0.0077 U	0.0131 J	0.025 U	0.0153 J	0.0025 U	0.025 U	0.025 U	0.025 U	0.0023 U	0.025 U	0.025 U
T	Iron	MG/L	11	0.265	5.68	0.0243 U	0.1 UJ	0.1 U	0.1 U	0.0747 U	0.0359 J	0.0734 J	0.1 U	0.0477 U	0.1 UJ	0.0366 J
T	Lead	MG/L	0.015	0.0012 J	0.005 U	0.0036 U	0.005 U	0.005 U	0.005 UJ	0.0013 U	0.005 U	0.005 U	0.005 UJ	0.0013 U	0.005 U	0.005 U
T	Magnesium	MG/L	NA	3.48	3.29	13.8	2.52	1.7	0.724	6.04	4.5	4.87	4.54	1.68	1.06	1.1
T	Manganese	MG/L	0.84	0.0366 J	0.156	0.156	0.0125 J	0.0163	0.005 U	0.0032	0.005 UJ	0.0016 J	0.005 U	0.008	0.005 UJ	0.005 U
T	Mercury	MG/L	0.002	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U
T	Molybdenum	MG/L	0.04			0.0206				0.0082 U				0.00094 U		
T	Nickel	MG/L	0.1	0.01 U	0.01 U	0.0021 U	0.055	0.0584	0.0688	0.0011 U	0.01 U	0.01 U	0.00088 J	0.0015 U	0.01 U	0.01 U
T	Potassium	MG/L	NA	3.12	3.16	49.2	22.8	20.5 J	21.9	18.4	46.6	52.7 J	52.8	2.81	1.8	1.75 J
T	Selenium	MG/L	0.05	0.01 U	0.01 U	0.0016 U	0.01 U	0.01 U	0.01 UJ	0.0016 U	0.01 U	0.01 U	0.01 UJ	0.0016 U	0.01 U	0.01 U
T	Silver	MG/L	0.071	0.00028 J	0.01 U	0.00053 U	0.01 U	0.01 U	0.01 U	0.00053 U	0.01 U	0.01 U	0.01 U	0.00053 U	0.01 U	0.01 U
T	Sodium	MG/L	NA	5.31	4.49	35.3	17.7	15.8	17.5	13.5	22.8	24.3	24.4	1.28	0.777 J	0.911 J
T	Strontium	MG/L	9.3			1.21				0.319				0.0427		
T	Thallium	MG/L	0.002	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U
T	Tin	MG/L	9.3	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.0022 J		0.1 U	0.1 U
T	Vanadium	MG/L	0.089	0.00034 J	0.01 U	0.00099 U	0.01 U	0.00027 J	0.01 UJ	0.0039 U	0.01 U	0.01 U	0.01 UJ	0.00099 U	0.01 U	0.01 U
T	Zinc	MG/L	3.13	0.02 U	0.02 U	0.0045 UJ	0.0129 J	0.02 U	0.02 U	0.0025 UJ	0.0141 J	0.02 U	0.02 U	0.002 UJ	0.012 J	0.02 U
T	Sulfate	MG/L	250	14	15	609	810	610	580	116	190	110	110	7.26	8.6	8.4
D	Aluminum	MG/L	16	0.3 U	0.3 U	0.0173	0.143 J	0.3 U	0.169 J	0.0312	0.0392 J	0.0381 J	0.3 UJ	0.0085 U	0.0173 J	0.0371 J
D	Antimony	MG/L	0.006	0.001 U	0.001 U	0.0031 U	0.0012	0.0012	0.0012	0.0031 U	0.001 U	0.00031 J	0.00048 J	0.0031 U	0.001 U	0.001 U
D	Arsenic	MG/L	0.01	0.008 U	0.008 UJ	0.0025 U	0.008 U	0.0014 J	0.008 UJ	0.0037 U	0.008 U	0.008 U	0.008 UJ	0.0025 U	0.008 U	0.008 U
D	Barium	MG/L	2	0.0033 J	0.005 U	0.0831	0.0432	0.0459	0.0491	0.0093 U	0.0078	0.0078	0.0087	0.0048 U	0.0058	0.0047 J
D	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 U
D	Cadmium	MG/L	0.005	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 U	0.001 U	0.00015 U	0.00004 J	0.001 U
D	Calcium	MG/L	NA	31.4	30.3	200	230	233	245	33.7	8.79	6.91	6.92	9.84	7.73	7.24
D	Chromium	MG/L	0.1	0.00044 J	0.01 U	0.0789	0.0017 J	0.0011 J	0.01 U	0.0383	0.01 U	0.01 U	0.01 U	0.0006 U	0.00074 J	0.01 U
D	Cobalt	MG/L	0.005	0.01 U	0.01 U	0.0011 U	0.0018 J	0.0021 J	0.0014 J	0.00064 U	0.00039 J	0.00092 J	0.001 J	0.00084 U	0.00025 J	0.01 U
D	Copper	MG/L	1.3	0.025 U	0.025 U	0.0068 U	0.012 J	0.025 U	0.0151 J	0.0023 U	0.025 U	0.025 U	0.025 U	0.0023 U	0.025 U	0.025 U
D	Iron	MG/L	11	0.0386 J	0.1 U	0.0243 U	0.1 UJ	0.1 U	0.1 U	0.0243 U	0.1 UJ	0.1 U	0.0552 J	0.0243 U	0.1 UJ	0.0366 J
D	Lead	MG/L	0.015	0.005 U	0.005 U	0.0016 U	0.005 U	0.005 U	0.005 UJ	0.0013 U	0.005 U	0.005 U	0.005 UJ	0.0013 U	0.005 U	0.005 U
D	Magnesium	MG/L	NA	3.45	3.05	13.9	2.48	1.74	0.702	5.98	4.73	4.9	4.54	1.62	1.08	1.15
D	Manganese	MG/L	0.84	0.0223	0.0205 U	0.172	0.005 UJ	0.0011 J	0.005 U	0.00082 J	0.005 UJ	0.0025 J	0.005 U	0.0065	0.005 UJ	0.005 U
D	Mercury	MG/L	0.002	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U	0.0002 UJ	0.00003 U	0.0002 U	0.0002 U
D	Molybdenum	MG/L	0.04			0.0177				0.0088 U				0.00094 U		
D	Nickel	MG/L	0.1	0.01 U	0.01 U	0.0019 U	0.0542	0.0584	0.0678	0.0011 U	0.01 U	0.01 U	0.00079 J	0.0018 U	0.01 U	0.01 U
D	Potassium	MG/L	NA	3.09	2.96	47.2	22.2	21	21.8	18.1	48.9	52.8	53.6	2.77	1.82	1.74
D	Selenium	MG/L	0.05	0.01 U	0.01 U	0.0016 U	0.01 U	0.01 U	0.01 U	0.0016 U	0.01 U	0.01 U	0.01 U	0.0016 U	0.01 U	0.01 U
D	Silver	MG/L	0.071	0.01 U	0.01 U	0.00053 U	0.01 U	0.01 U	0.01 U	0.00053 U	0.00041 J	0.01 U	0.01 U	0.00053 U	0.01 U	0.01 U
D	Sodium	MG/L	NA	5.18	4.37	35.3	17.1	16.1	17.5	13.2	23.9	24.3	24.8	1.25	0.789 J	0.939 J
D	Strontium	MG/L	9.3			1.33				0.313				0.0415		
D	Thallium	MG/L	0.002	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U	0.001 U	0.0019 U	0.001 U	0.001 U
D	Tin	MG/L	9.3	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.0019 J		0.1 U	0.1 U
D	Vanadium	MG/L	0.089	0.01 U	0.00084 J	0.00099 U	0.01 U	0.00038 J	0.01 UJ	0.0031 U	0.01 U	0.01 U	0.01 UJ	0.00099 U	0.01 U	0.01 U
D	Zinc	MG/L	3.13	0.0179 J	0.02 U	0.0138 UJ	0.014 J	0.02 U	0.02 U	0.002 UJ	0.0123 J	0.02 U	0.02 U	0.0031 UJ	0.0145 J	0.02 U

Table 1: Groundwater Monitoring Data-IC Wells
Elizabeth Mine, South Strafford, Vermont

				MW-21C	MW-27B	MW-27B	MW-27B	MW-27B	MW-30B	MW-30B	MW-30B	MW-30B
				EMGWMW21CXX	MA1NY3	EMGWMW-27BXX	EMGWMW27BXX	EMGWMW27BXX	MA1NY7	EMGWMW-30BXX	EMGWMW30BXX	EMGWMW30BXX
				08/05/13	12/07/05	08/19/11	08/07/12	08/05/13	12/12/05	08/18/11	08/08/12	08/08/13
				FS	FS	FS	FS	FS	FS	FS	FS	FS
T/D	**Analyte**	**Units**	**Screening Value**									
T	Aluminum	MG/L	16	0.0234 J	0.0559 U	0.34	0.0906 J	0.646	1.16	0.196 J	0.101 J	0.3 U
T	Antimony	MG/L	0.006	0.001 U	0.06 U	0.001 U	0.00012 J	0.001 U	0.06 U	0.001 U	0.0001 J	0.001 U
T	Arsenic	MG/L	0.01	0.008 UJ	0.01 U	0.008 U	0.008 U	0.008 UJ	0.0046 J	0.008 U	0.008 U	0.008 UJ
T	Barium	MG/L	2	0.0049 J	0.0319	0.0341	0.0273	0.0396	0.0147	0.0128	0.0111	0.0114
T	Beryllium	MG/L	0.004	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U
T	Cadmium	MG/L	0.005	0.001 U	0.005 U	0.00062 J	0.00024 J	0.00039 J	0.005 U	0.0007 J	0.001 U	0.00023 J
T	Calcium	MG/L	NA	7.25	69.9	59	47.1	52.5	24.1	33.8	35.5	36
T	Chromium	MG/L	0.1	0.01 U	0.01 U	0.0019 J	0.00052 J	0.0025 J	0.0025	0.0019 J	0.00086 J	0.0014 J
T	Cobalt	MG/L	0.005	0.01 UJ	0.0031	0.00041 J	0.00028 J	0.0011 J	0.05 U	0.00027 J	0.01 U	0.01 U
T	Copper	MG/L	1.3	0.025 U	0.0019 J	0.0035 J	0.0018 J	0.025 U	0.025 U	0.0012 J	0.00095 J	0.025 U
T	Iron	MG/L	11	0.1 U	0.0438 U	0.344 J	0.105	0.769	1.4	0.26	0.154	0.0813 J
T	Lead	MG/L	0.015	0.005 UJ	0.0055 UJ	0.005 U	0.005 U	0.005 UJ	0.01 U	0.005 U	0.005 U	0.005 U
T	Magnesium	MG/L	NA	1.14	9.31	7.84	5.88	6.54	3.1	2.21	2.23	2.18
T	Manganese	MG/L	0.84	0.005 U	0.071	0.0128 J	0.0114	0.03	0.099	0.311	0.0736	0.0435
T	Mercury	MG/L	0.002	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.00002 J	0.00011 J	0.0002 U	0.0002 U	0.0002 UJ
T	Molybdenum	MG/L	0.04									
T	Nickel	MG/L	0.1	0.01 UJ	0.011	0.0046 J	0.0043 J	0.0055 J	0.0032 U	0.04 U	0.01 U	0.01 U
T	Potassium	MG/L	NA	1.94	7.66	6.97	5.65 J	6.18	4.93	3.59	3.17 J	3.08
T	Selenium	MG/L	0.05	0.01 UJ	0.035 U	0.01 U	0.01 U	0.01 UJ	0.035 U	0.01 U	0.01 U	0.01 U
T	Silver	MG/L	0.071	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U
T	Sodium	MG/L	NA	0.977 J	13.1	10.9	9.31	9.73	6.94	2.31	2.37	2.23
T	Strontium	MG/L	9.3									
T	Thallium	MG/L	0.002	0.001 U	0.025 U	0.00006 J	0.00005 J	0.001 U	0.025 U	0.001 U	0.001 U	0.001 U
T	Tin	MG/L	9.3	0.1 U		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U
T	Vanadium	MG/L	0.089	0.01 UJ	0.05 U	0.01 U	0.01 U	0.00057 J	0.0021	0.00098 J	0.0011 J	0.0014 J
T	Zinc	MG/L	3.13	0.02 U	0.002 UJ	0.0158 J	0.0067 J	0.0047 J	0.0029 U	0.0164 J	0.02 U	0.0026 J
T	Sulfate	MG/L	250	8.9	205	180	130	130	13	16 J	18	17
D	Aluminum	MG/L	16	0.3 UJ	0.0268 U	0.0547 J	0.0329 J	0.0625 J	0.0352 U	0.0471 J	0.0308 J	0.3 U
D	Antimony	MG/L	0.006	0.001 U	0.06 U	0.001 U	0.00007 J	0.001 U	0.06 U	0.001 U	0.00009 J	0.001 U
D	Arsenic	MG/L	0.01	0.008 UJ	0.01 UJ	0.008 U	0.008 U	0.008 UJ	0.01 UJ	0.008 U	0.0015 J	0.008 UJ
D	Barium	MG/L	2	0.005	0.032	0.03	0.026	0.0311	0.0052 U	0.009	0.0101	0.0106
D	Beryllium	MG/L	0.004	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U
D	Cadmium	MG/L	0.005	0.001 U	0.005 U	0.00015 J	0.001 U	0.001 U	0.005 U	0.00014 J	0.001 U	0.001 U
D	Calcium	MG/L	NA	7.12	72.6	62.4	47.9	56.9	22.6	33.3	37.2	36.4
D	Chromium	MG/L	0.1	0.01 U	0.01 U	0.00095 J	0.0004 J	0.01 U	0.01 U	0.00066 J	0.001 J	0.0013 J
D	Cobalt	MG/L	0.005	0.01 UJ	0.0047	0.01 U	0.00029 J	0.00071 J	0.05 U	0.03 U	0.00074 J	0.01 U
D	Copper	MG/L	1.3	0.025 U	0.002 J	0.0013 J	0.0016 J	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
D	Iron	MG/L	11	0.1 U	0.0085 UJ	0.1 UJ	0.1 U	0.1 U	0.0184 U	0.0185 J	0.0227 J	0.1 U
D	Lead	MG/L	0.015	0.005 UJ	0.01 U	0.005 U	0.005 U	0.005 UJ	0.01 U	0.005 U	0.005 U	0.005 U
D	Magnesium	MG/L	NA	1.12	9.57	8.09	6.08	7.38	2.51	2.07	2.36	2.17
D	Manganese	MG/L	0.84	0.005 U	0.0768	0.005 UJ	0.0082	0.0058 U	0.0714	0.0067	0.004 J	0.005 U
D	Mercury	MG/L	0.002	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ
D	Molybdenum	MG/L	0.04									
D	Nickel	MG/L	0.1	0.01 UJ	0.0106	0.0027 J	0.0037 J	0.0028 J	0.00068 UJ	0.04 U	0.0033 J	0.01 U
D	Potassium	MG/L	NA	1.89	7.9	7.13	5.59	6.43	4.67	3.34	3.38	3.09
D	Selenium	MG/L	0.05	0.01 U	0.035 U	0.01 U	0.01 U	0.01 U	0.035 U	0.01 U	0.01 U	0.01 U
D	Silver	MG/L	0.071	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U
D	Sodium	MG/L	NA	0.97 J	13	11.4	9.26	10.4	7	2.25	2.58	2.17
D	Strontium	MG/L	9.3									
D	Thallium	MG/L	0.002	0.001 U	0.025 U	0.001 U	0.001 U	0.001 U	0.025 U	0.001 U	0.001 U	0.001 U
D	Tin	MG/L	9.3	0.1 U		0.1 U	0.0016 J	0.1 U		0.1 U	0.1 U	0.1 U
D	Vanadium	MG/L	0.089	0.01 UJ	0.05 U	0.01 U	0.01 U	0.01 UJ	0.05 U	0.00093 J	0.00097 J	0.0011 J
D	Zinc	MG/L	3.13	0.02 U	0.0061 U	0.0138 J	0.02 U	0.02 U	0.06 U	0.014 J	0.02 U	0.0017 J

Notes:
T/D = total / dissolved fraction
FS = field sample
FD = field duplicate
J = estimated value
R = rejected result
U/UJ = not detected above listed value
mg/L = milligrams per liter
NA = not available

Screening value is cleanup level given in Record of Decision if available, if not, then screening level is USEPA drinking water maximum contaminant level (MCL) or, if MCL is not available, USEPA Regional Screening Level for tap water.

Table 2: Groundwater Monitoring Data-TP-1/TP-2 Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-05 MA1NX7 12/14/05 FS	MW-05 MA1Q41 06/12/07 FS	MW-35A MW35A_XX 08/21/13 FS	MW-35A EMGWMW35AXX 10/22/13 FS	MW-35B MW35B_XX 08/21/13 FS	MW-35B EMGWMW35BXX 10/22/13 FS	MW-36 MW36_XX 08/21/13 FS	MW-36 EMGWMW36XX 10/22/13 FS	MW-37 MW37_XX 08/21/13 FS	MW-37 EMGWMW37XX 10/22/13 FS	MW-38 MW38_XX 08/21/13 FS	MW-38 EMGWMW38XX 10/22/13 FS	MW-40A MW40A_XX 08/20/13 FS	MW-40A EMGWMW40AXX 10/22/13 FS	MW-40B MW40B_XX 08/20/13 FS
T	Aluminum	MG/L	16	6.45	6.58	23	2.24	0.22 U	0.507	5.9	0.802	0.22 U	1.88	1.8	3.09	0.22 U	3.46	0.44 U
T	Antimony	MG/L	0.006	0.06 U	0.06 UJ	0.04 U	0.001 U	0.04 U	0.001 U	0.04 U	0.001 U	0.04 U	0.001 U	0.04 U	0.001 U	0.04 U	0.001 U	0.08 U
T	Arsenic	MG/L	0.01	0.01 UJ	0.01 U	0.04 U	0.008 U	0.04 U	0.008 U	0.04 U	0.008 U	0.04 U	0.008 U	0.04 U	0.008 U	0.04 U	0.008 U	0.08 U
T	Barium	MG/L	2	0.0165 J	0.0143	0.14	0.0234	0.04 U	0.0205 U	0.07	0.0348	0.04 U	0.0247	0.048	0.06	0.04 U	0.0647	0.08 U
T	Beryllium	MG/L	0.004	0.00045 UJ	0.00074 UJ	0.016 U	0.00012 J	0.016 U	0.001 U	0.016 U	0.001 U	0.016 U	0.001 U	0.016 U	0.00008 J	0.016 U	0.0001 J	0.032 U
T	Cadmium	MG/L	0.005	0.0017 UJ	0.0063 J	0.02 U	0.0019 U	0.02 U	0.001 U	0.02 U	0.00062	0.02 U	0.0011 J	0.02 U	0.0017 U	0.02 U	0.0012	0.05 U
T	Calcium	MG/L	NA	509	493	480	461	500	474	510	561	530	538	490	470	520	575	440
T	Chromium	MG/L	0.1	0.01 U	0.01 UJ	3.6	0.0558 U	0.04 U	0.01 U	0.04 U	0.004 J	0.04 U	0.0038 J	0.042	0.0115 U	0.04 U	0.0099 J	0.08 U
T	Cobalt	MG/L	0.005	0.035	0.0912	0.17	0.0174 J	0.04 U	0.006 J	0.064	0.0098 J	0.04 U	0.0204 J	0.04 U	0.0285 J	0.04 U	0.0095 J	0.08 U
T	Copper	MG/L	1.3	0.0121	0.0177 J	2.3	0.285	0.04 U	0.18	0.72	0.0833	0.04 U	0.203	0.19	0.414	0.04 U	0.252	0.08 U
T	Iron	MG/L	11	346	149	190	38.4	72	179	57	23.4	240	215	46	53.1	110	103	1200
T	Lead	MG/L	0.015	0.0072 UJ	R	0.04 U	0.005 U	0.04 U	0.005 U	0.04 U	0.005 U	0.04 U	0.005 U	0.04 U	0.005 U	0.04 U	0.005	0.08 U
T	Magnesium	MG/L	NA	175	144	230	224	230	225	210	190	110	98.3	95	91.8	140	140	150
T	Manganese	MG/L	0.84	9.03	7.45	1	0.289	1.7	2.73	0.81	0.506	2.9	2.51	0.6	0.59	2.1	1.86	15
T	Mercury	MG/L	0.002	0.0002 U	0.0002 U		0.0002 U		0.0002 U		0.00001 J		0.00002 J		0.0002 U		0.00004 J	
T	Molybdenum	MG/L	0.04															
T	Nickel	MG/L	0.1	0.0814 J	0.0743	1.7	0.0226 U	0.04 U	0.01 U	0.04 U	0.01 U	0.04 U	0.01 U	0.04 U	0.01 U	0.04 U	0.01 U	0.08 U
T	Potassium	MG/L	NA	22.4	21.8	2 U	51.4	2 U	49.5	2 U	52.6	2 U	47.6	2 U	25.2	2 U	36.6	4 U
T	Selenium	MG/L	0.05	0.035 U	0.035 UJ	0.08 U	0.01 U	0.08 U	0.01 U	0.08 U	0.01 U	0.08 U	0.01 U	0.08 U	0.01 U	0.08 U	0.01 U	0.16 U
T	Silver	MG/L	0.071	0.01 UJ	0.0049 UJ	0.02 U	0.01 UJ	0.02 U	0.01 UJ	0.02 U	0.01 U	0.02 U	0.01 UJ	0.02 U	0.01 UJ	0.02 U	0.01 UJ	0.04 U
T	Sodium	MG/L	NA	17.1 J	17.9 J	2 U	11.8	2 U	18.5	2 U	12.8	2 U	40.2	2 U	10.1	2 U	30.8	4 U
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.0247 UJ	0.025 UJ	0.04 U	0.00008 J	0.04 U	0.001 U	0.04 U	0.001 U	0.04 U	0.00006 J	0.04 U	0.00008 J	0.04 U	0.00006 J	0.08 U
T	Tin	MG/L	9.3				0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
T	Vanadium	MG/L	0.089	0.05 UJ	0.05 U	0.046	0.0039	0.04 U	0.01 U	0.04 U	0.0012 J	0.04 U	0.0031 J	0.04 U	0.0078	0.04 U	0.0066	0.08 U
T	Zinc	MG/L	3.13	0.175 J	0.412	0.95	0.106 U	0.04 U	0.0554 U	0.35	0.0527	0.046	0.159	0.17	0.198 U	0.04 U	0.171	0.08 U
T	Sulfate	MG/L	250	5400	2000		2300		2500		2200		2100		1500		2100	
D	Aluminum	MG/L	16	4.07	2.49	0.62 U	1.5	0.62 U	0.0983 J	0.62 U	0.111 J	0.62 U	0.3 U	1.2	0.119 J	0.62 U	0.0936 J	0.62 U
D	Antimony	MG/L	0.006	0.06 U	0.06 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U
D	Arsenic	MG/L	0.01	0.01 UJ	0.0059	0.11 U	0.008 U	0.11 U	0.008 U	0.11 U	0.008 U	0.11 U	0.008 U	0.11 U	0.008 U	0.11 U	0.008 U	0.11 U
D	Barium	MG/L	2	0.0159	0.0139	0.11 U	0.0211	0.11 U	0.0194	0.11 U	0.0332	0.11 U	0.0185	0.11 U	0.0364	0.11 U	0.0148	0.11 U
D	Beryllium	MG/L	0.004	0.00033 UJ	0.00053	0.045 U	0.00007 J	0.045 U	0.001 U	0.045 U	0.001 U	0.045 U	0.001 U	0.045 U	0.001 U	0.045 U	0.001 U	0.045 U
D	Cadmium	MG/L	0.005	0.0067 UJ	0.0075	0.056 U	0.0013	0.056 U	0.001 U	0.056 U	0.001 U	0.056 U	0.001 U	0.056 U	0.001 U	0.056 U	0.001 U	0.056 U
D	Calcium	MG/L	NA	501	493	520	477	520	487	580	528	550	560	510	476	560	564	460
D	Chromium	MG/L	0.1	0.01 U	0.01 U	0.11 U	0.174	0.11 U	0.01 U	0.11 U	0.00061 J	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U
D	Cobalt	MG/L	0.005	0.037	0.0788	0.11 U	0.0134 J	0.11 U	0.01 UJ	0.11 U	0.00037 J	0.11 U	0.01 UJ	0.11 U	0.01 UJ	0.11 U	0.01 UJ	0.11 U
D	Copper	MG/L	1.3	0.0111	0.0036	0.11 U	0.199	0.11 U	0.0052 J	0.11 U	0.0141 J	0.11 U	0.0078 J	0.11 U	0.0112 J	0.11 U	0.0094 J	0.11 U
D	Iron	MG/L	11	347	131	11	35.4	80	192	12	15.8	250	216	39	35.8	120	95.4	1100
D	Lead	MG/L	0.015	0.0056 J	0.0154	0.11 U	0.0014 J	0.11 U	0.005 U	0.11 U	0.005 U	0.11 U	0.005 U	0.11 U	0.005 U	0.11 U	0.005 U	0.11 U
D	Magnesium	MG/L	NA	175	150	240	232 J	240	227 J	220	200 J	110	103 J	99	92 J	140	142 J	150
D	Manganese	MG/L	0.84	8.64	7.77	0.47	0.298	1.8	2.92	0.63	0.519	3.1	2.66	0.57	0.518	2.2	1.81	15
D	Mercury	MG/L	0.002	0.0002 U	0.0002 U		0.0002 U		0.0002 U		0.0002 U		0.0002 U		0.0002 U		0.0002 U	
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1	0.084 J	0.0642	0.12	0.082	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U
D	Potassium	MG/L	NA	24	22.2	5.6 U	53.6	5.6 U	51.7	5.6 U	53.6	5.6 U	49	5.6 U	25.1	5.6 U	36.4	5.6 U
D	Selenium	MG/L	0.05	0.0145 UJ	0.035 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U
D	Silver	MG/L	0.071	0.01 UJ	0.0028	0.056 U	0.01 UJ	0.056 U	0.01 UJ	0.056 U	0.01 U	0.056 U	0.01 UJ	0.056 U	0.01 UJ	0.056 U	0.01 UJ	0.056 U
D	Sodium	MG/L	NA	17.7 J	18.1	5.6 U	12.7	5.6 U	19.1	5.6 U	13.2	5.6 U	40.5	5.6 U	10.1	5.6 U	31.1	5.6 U
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002	0.0224 UJ	0.025 U	0.11 U	0.00006 J	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U
D	Tin	MG/L	9.3				0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
D	Vanadium	MG/L	0.089	0.05 UJ	0.05 U	0.11 U	0.0034	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.11 U
D	Zinc	MG/L	3.13	0.18 J	0.361	0.11 U	0.0764	0.11 U	0.02 U	0.11 U	0.02 U	0.11 U	0.0328 U	0.14 J2	0.02 U	0.11 U	0.02 U	0.11 U

Table 2: Groundwater Monitoring Data-TP-1/TP-2 Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-40B EMGWMW40BFD 10/22/13 FD	MW-40B EMGWMW40BXX 10/22/13 FS	MW-41 MW41_XX 08/21/13 FS	MW-41 EMGWMW41XX 10/23/13 FS	MW-42 MW42_XX 08/21/13 FS	MW-42 EMGWMW42XX 10/23/13 FS	MW-43A MW43A_XX 08/20/13 FS	MW-43A EMGWMW43AXX 10/22/13 FS	MW-43B MW43B_XX 08/20/13 FS	MW-43B EMGWMW43BXX 10/22/13 FS	MW-44B MW44B_XX 08/21/13 FS	MW-44B EMGWMW44BXX 10/23/13 FS	MW-45 MW45_XX 08/20/13 FS
T	Aluminum	MG/L	16	0.796 J	0.786 J	0.22 U	1.31	6.3	23.1	0.82	1.58	0.55 U	1.98	180	5.02	0.33 U
T	Antimony	MG/L	0.006	0.001 U	0.001 U	0.04 U	0.001 U	0.04 U	0.00038	0.02 U	0.001 U	0.1 U	0.001 U	0.06 U	0.001 U	0.06 U
T	Arsenic	MG/L	0.01	0.04 U	0.04 U	0.04 U	0.008 U	0.04 U	0.008 U	0.02 U	0.008 U	0.1 U	0.008 U	0.065	0.008 U	0.06 U
T	Barium	MG/L	2	0.0179 J	0.017 J	0.04 U	0.0398	0.049	0.136	0.036	0.047	0.1 U	0.0808	0.96	0.248	0.06 U
T	Beryllium	MG/L	0.004	0.001 U	0.00004 J	0.016 U	0.001 U	0.016 U	0.00051 J	0.008 U	0.00009 J	0.04 U	0.00008 J	0.024 U	0.00026 J	0.024 U
T	Cadmium	MG/L	0.005	0.00072	0.00094 J	0.02 U	0.0014 J	0.02 U	0.0219 J	0.01 U	0.003	0.05 U	0.0022	0.055	0.0022 J	0.05 U
T	Calcium	MG/L	NA	441	442	500	492	520	544	490	456	380	354	580	468	460
T	Chromium	MG/L	0.1	0.05 U	0.05 U	0.04 U	0.005 J	0.04 U	0.102 U	0.02 U	0.01 U	0.1 U	0.01 U	0.35	0.0115 U	0.06 U
T	Cobalt	MG/L	0.005	0.05 UJ	0.05 UJ	0.04 U	0.0103 J	0.042	0.222	0.02 U	0.0058 J	0.1 U	0.0104 J	0.7	0.0198 J	0.06 U
T	Copper	MG/L	1.3	0.11 J	0.128	0.04 U	0.121	0.88	3.58	0.034	0.107	0.1 U	0.16	6.9	0.325	0.06 U
T	Iron	MG/L	11	1070	1090	24	33.3	61	185	29	28.9	13	26.4	600	41.2	620
T	Lead	MG/L	0.015	0.025 U	0.025 U	0.04 U	0.005 U	0.04 U	0.0357 J	0.02 U	0.005 U	0.1 U	0.005 U	0.17	0.0058 U	0.06 U
T	Magnesium	MG/L	NA	136	142	180	170	270	265	83	74.5	38	41.1	650	640	110
T	Manganese	MG/L	0.84	13.2	13.8	0.25	0.191	0.68	1.36	0.66	0.525	1	0.444	8.4	3.15	8
T	Mercury	MG/L	0.002	0.00003 J	0.00003 J		0.00001 J		0.00014 J		0.0002 U		0.0002 U		0.00001 J	
T	Molybdenum	MG/L	0.04													
T	Nickel	MG/L	0.1	0.05 U	0.05 U	0.04 U	0.01 U	0.04 U	0.0659 U	0.02 U	0.01 U	0.1 U	0.01 U	0.24	0.01 U	0.06 U
T	Potassium	MG/L	NA	30.1	31.1	2 U	49	2 U	40.9	1 U	37	5 U	31.1	3 U	49.3	3 U
T	Selenium	MG/L	0.05	0.05 U	0.05 U	0.08 U	0.01 U	0.08 U	0.0123 U	0.04 U	0.01 U	0.2 U	0.01 U	0.12 U	0.01 U	0.12 U
T	Silver	MG/L	0.071	0.05 UJ	0.05 UJ	0.02 U	0.01 UJ	0.02 U	0.01 UJ	0.01 U	0.01 UJ	0.05 U	0.01 UJ	0.03 U	0.01 UJ	0.03 U
T	Sodium	MG/L	NA	18.8	18.9	2 U	14.9	2 U	29.3	1 U	108	5 U	82	3 U	72.2	3 U
T	Strontium	MG/L	9.3													
T	Thallium	MG/L	0.002	0.001 U	0.001 U	0.04 U	0.001 U	0.04 U	0.00071 J	0.02 U	0.001 U	0.1 U	0.001 U	0.06 U	0.0001 J	0.06 U
T	Tin	MG/L	9.3	0.5 U	0.5 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
T	Vanadium	MG/L	0.089	0.05 U	0.05 U	0.04 U	0.003 J	0.04 U	0.0726	0.02 U	0.01 U	0.1 U	0.0036	0.26	0.01 U	0.06 U
T	Zinc	MG/L	3.13	0.1 U	0.0852 J	0.04 U	0.103	0.66	3.07	0.045	0.101 U	0.02 U	0.186 U	9.2	0.25	0.06 U
T	Sulfate	MG/L	250	3900	3900		2100		2500		1700		1100		4000	
D	Aluminum	MG/L	16	3 U	3 U	0.25 U	0.3 U	0.62 U	0.124 J	0.62 U	0.11 J	0.12 U	0.102 J	0.62 U	0.3 U	0.62 U
D	Antimony	MG/L	0.006	0.001 U	0.001 U	0.045 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.022 U	0.001 U	0.11 U	0.001 U	0.11 U
D	Arsenic	MG/L	0.01	0.08 U	0.08 U	0.045 U	0.008 U	0.11 U	0.0032 J	0.11 U	0.008 U	0.022 U	0.008 U	0.11 U	0.0038 J	0.11 U
D	Barium	MG/L	2	0.0126 J	0.0104 J	0.045 U	0.0345	0.11 U	0.0215	0.11 U	0.0218	0.038	0.0354	0.11 U	0.0332	0.11 U
D	Beryllium	MG/L	0.004	0.001 U	0.001 U	0.018 U	0.001 U	0.045 U	0.001 U	0.045 U	0.001 U	0.009 U	0.001 U	0.045 U	0.001 U	0.045 U
D	Cadmium	MG/L	0.005	0.001 U	0.001 U	0.022 U	0.00036	0.056 U	0.001 U	0.056 U	0.001 U	0.011 U	0.001 U	0.056 U	0.001 U	0.056 U
D	Calcium	MG/L	NA	504	448	480	526	520	547	530	484	330	373	490	465	470
D	Chromium	MG/L	0.1	0.1 U	0.1 U	0.045 U	0.0004 J	0.11 U	0.00051 J	0.11 U	0.01 U	0.022 U	0.01 U	0.11 U	0.01 U	0.11 U
D	Cobalt	MG/L	0.005	0.1 UJ	0.1 UJ	0.045 U	0.01 U	0.11 U	0.00029 J	0.11 U	0.01 UJ	0.022 U	0.01 UJ	0.11 U	0.00045 J	0.11 U
D	Copper	MG/L	1.3	0.25 U	0.25 U	0.045 U	0.0115 J	0.11 U	0.0145 J	0.11 U	0.011 J	0.022 U	0.0089 J	0.11 U	0.0098 J	0.11 U
D	Iron	MG/L	11	1280	1150	23	21.6	21	24	25	24.5	11	16.1	7.8	27.1	630
D	Lead	MG/L	0.015	0.25 U	0.05 U	0.045 U	0.005 U	0.11 U	0.005 U	0.11 U	0.005 U	0.022 U	0.005 U	0.11 U	0.005 U	0.11 U
D	Magnesium	MG/L	NA	156 J	142 J	180	179 J	260	269 J	88	76.4 J	34	42.4 J	580	629 J	110
D	Manganese	MG/L	0.84	15.7	14.2	0.25	0.173	0.48	0.474	0.62	0.518	0.94	0.422	3.8	3.03	8.2
D	Mercury	MG/L	0.002	0.0002 U	0.0002 U		0.0002 U		0.00001 J		0.0002 U		0.0002 U		0.0002 U	
D	Molybdenum	MG/L	0.04													
D	Nickel	MG/L	0.1	0.1 U	0.1 U	0.045 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.022 U	0.01 U	0.11 U	0.01 UJ	0.11 U
D	Potassium	MG/L	NA	35.2	31.2	2.2 U	50.8	5.6 U	33.7	5.6 U	38.4	1.1 U	31.9	5.6 U	47.8	5.6 U
D	Selenium	MG/L	0.05	0.1 U	0.1 U	0.22 U	0.01 U	0.22 U	0.01 U	0.22 U	0.01 U	0.045 U	0.01 U	0.22 U	0.01 U	0.22 U
D	Silver	MG/L	0.071	0.1 UJ	0.1 UJ	0.022 U	0.01 U	0.056 U	0.01 U	0.056 U	0.01 UJ	0.011 U	0.01 UJ	0.056 U	0.00044 J	0.056 U
D	Sodium	MG/L	NA	21.4	19.3	2.2 U	15.3	5.6 U	32.4	5.6 U	107	1.1 U	88.5	5.6 U	68.7	5.6 U
D	Strontium	MG/L	9.3													
D	Thallium	MG/L	0.002	0.001 U	0.001 U	0.045 U	0.001 U	0.11 U	0.001 U	0.11 U	0.001 U	0.022 U	0.001 U	0.11 U	0.001 U	0.11 U
D	Tin	MG/L	9.3	1 U	1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
D	Vanadium	MG/L	0.089	0.1 U	0.1 U	0.045 U	0.01 U	0.11 U	0.01 U	0.11 U	0.01 U	0.022 U	0.01 U	0.11 U	0.01 U	0.11 U
D	Zinc	MG/L	3.13	0.2 U	0.0113 J	0.11 U	0.02 U	0.11 U	0.02 U	0.11 U	0.02 U	0.022 U	0.02 U	0.11 U	0.0049 J	0.11 U

Table 2: Groundwater Monitoring Data-TP-1/TP-2 Wells
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Value	MW-45 MW45DUP_XX 08/20/13 FS	MW-45 EMGWMW45XX 10/22/13 FS	MW-46 MW46_XX 08/20/13 FS	MW-46 EMGWMW46XX 10/23/13 FS	MW-47 MW47_XD 08/19/13 FD	MW-47 MW47_XX 08/19/13 FS	MW-47 EMGWMW47XX 10/23/13 FS	MW-48 MW48_XX 08/19/13 FS	MW-48 EMGWMW48XX 10/23/13 FS
T	Aluminum	MG/L	16	0.33 U	2.54	0.22 U	0.475	0.11 U	0.11 U	2.63	2.7	114
T	Antimony	MG/L	0.006	0.06 U	0.001 U	0.04 U	0.001 U	0.02 U	0.02 U	0.001 U	0.02 U	0.00079 J
T	Arsenic	MG/L	0.01	0.06 U	0.04 U	0.04 U	0.008 U	0.02 U	0.02 U	0.016 U	0.02 U	0.0129 J
T	Barium	MG/L	2	0.06 U	0.0389	0.04 U	0.0246	0.02	0.02 U	0.0354	0.02 U	0.794
T	Beryllium	MG/L	0.004	0.024 U	0.00008 J	0.016 U	0.001 U	0.008 U	0.008 U	0.00008 J	0.008 U	0.0077
T	Cadmium	MG/L	0.005	0.05 U	0.002 J	0.02 U	0.0007	0.05 U	0.05 U	0.001 J	0.021	0.0526
T	Calcium	MG/L	NA	460	468	510	529	450	440	454	130	103
T	Chromium	MG/L	0.1	0.06 U	0.0038 J	0.04 U	0.01 U	0.02 U	0.02 U	0.0065 J	0.02 U	0.312
T	Cobalt	MG/L	0.005	0.06 U	0.0258 J	0.04 U	0.01 UJ	0.02 U	0.02 U	0.0164 J	0.093	0.689
T	Copper	MG/L	1.3	0.06 U	0.274	0.04 U	0.0282	0.02 U	0.02 U	0.217	1.1	9.14
T	Iron	MG/L	11	640	595	210	228	270	270	332	14	472
T	Lead	MG/L	0.015	0.06 U	0.025 U	0.04 U	0.005 U	0.02 U	0.02 U	0.01 U	0.02 U	0.0882
T	Magnesium	MG/L	NA	110	97.5	120	128	56	54	58.9	22	63.3
T	Manganese	MG/L	0.84	8.1	7.28	2.3	2.44	3.7	3.7	3.96	3.9	5.07
T	Mercury	MG/L	0.002		0.00001 J		0.00001 J			0.00002 J		0.00017 J
T	Molybdenum	MG/L	0.04									
T	Nickel	MG/L	0.1	0.06 U	0.05 U	0.04 U	0.01 U	0.02 U	0.02 U	0.02 U	0.046	0.292 U
T	Potassium	MG/L	NA	3 U	26.4	2 U	38.9	1 U	1 U	16.1	1 U	29.8
T	Selenium	MG/L	0.05	0.12 U	0.05 U	0.08 U	0.01 U	0.04 U	0.04 U	0.02 UJ	0.04 U	0.019 J
T	Silver	MG/L	0.071	0.03 U	0.05 UJ	0.02 U	0.01 UJ	0.01 U	0.01 U	0.003 J	0.01 U	0.0167 J
T	Sodium	MG/L	NA	3 U	10.8	2 U	26.3	1 U	1 U	8.79	1 U	8.46
T	Strontium	MG/L	9.3									
T	Thallium	MG/L	0.002	0.06 U	0.00014 J	0.04 U	0.001 U	0.02 U	0.02 U	0.001 U	0.02 U	0.0024
T	Tin	MG/L	9.3		0.5 U		0.1 U			0.1 U		0.0098 J
T	Vanadium	MG/L	0.089	0.06 U	0.0063 J	0.04 U	0.00028 J	0.02 U	0.02 U	0.0067 J	0.02 U	0.257
T	Zinc	MG/L	3.13	0.06 U	0.34	0.04 U	0.0312 U	0.02 U	0.02 U	0.157	1.3 J1	5.75
T	Sulfate	MG/L	250		2800		2500			1800		430
D	Aluminum	MG/L	16	0.62 U	1.5 U	0.62 U	0.3 U	0.62 U	0.62 U	0.3 U	1.2	4.14
D	Antimony	MG/L	0.006	0.11 U	0.001 U	0.11 U	0.001 U	0.22 U	0.11 U	0.001 U	0.022 U	0.001 U
D	Arsenic	MG/L	0.01	0.11 U	0.04 U	0.11 U	0.016 U	0.11 U	0.11 U	0.016 U	0.022 U	0.0038 J
D	Barium	MG/L	2	0.11 U	0.0182 J	0.11 U	0.0205	0.11 U	0.11 U	0.0216	0.022 U	0.0286
D	Beryllium	MG/L	0.004	0.045 U	0.001 U	0.045 U	0.001 U	0.045 U	0.045 U	0.001 U	0.009 U	0.002
D	Cadmium	MG/L	0.005	0.056 U	0.001 U	0.056 U	0.001 U	0.056 U	0.056 U	0.001 U	0.018	0.0267
D	Calcium	MG/L	NA	490	490	560	560	510	490	482	140	97.3
D	Chromium	MG/L	0.1	0.11 U	0.05 U	0.11 U	0.02 U	0.11 U	0.11 U	0.02 U	0.022 U	0.0013 J
D	Cobalt	MG/L	0.005	0.11 U	0.05 UJ	0.11 U	0.02 U	0.11 U	0.11 U	0.02 UJ	0.082	0.164
D	Copper	MG/L	1.3	0.11 U	0.12 U	0.11 U	0.05 U	0.11 U	0.11 U	0.05 U	0.78	1.12
D	Iron	MG/L	11	640	604	210	340	280	280	347	14	10.5
D	Lead	MG/L	0.015	0.11 U	0.025 U	0.11 U	0.01 U	0.11 U	0.11 U	0.01 U	0.022 U	0.0015 J
D	Magnesium	MG/L	NA	110	103 J	120	146 J	59	60	61 J	27	13.6 J
D	Manganese	MG/L	0.84	8.2	7.54	2.4	3.24	3.8	3.8	4.12	4	3.57
D	Mercury	MG/L	0.002		0.0002 U		0.00003 J			0.0002 U		0.0002 U
D	Molybdenum	MG/L	0.04									
D	Nickel	MG/L	0.1	0.11 U	0.05 U	0.11 U	0.02 U	0.11 U	0.11 U	0.02 U	0.04	0.073
D	Potassium	MG/L	NA	5.6 U	26.8	5.6 U	44.2	5.6 U	5.6 U	16.7	1.1 U	4.72
D	Selenium	MG/L	0.05	0.22 U	0.05 U	0.22 U	0.02 U	0.11 U	0.22 U	0.02 UJ	0.045 U	0.01 U
D	Silver	MG/L	0.071	0.056 U	0.05 UJ	0.056 U	0.0054 J	0.056 U	0.056 U	0.0038 J	0.011 U	0.01 U
D	Sodium	MG/L	NA	5.6 U	11.2	5.6 U	31.7	5.6 U	5.6 U	9.16	1.1 U	6.89
D	Strontium	MG/L	9.3									
D	Thallium	MG/L	0.002	0.11 U	0.001 U	0.11 U	0.001 U	0.11 U	0.11 U	0.001 U	0.022 U	0.001 U
D	Tin	MG/L	9.3		0.5 U		0.1 U			0.1 U		0.1 U
D	Vanadium	MG/L	0.089	0.11 U	0.05 U	0.11 U	0.0011 J	0.056 U	0.11 U	0.0011 J	0.022 U	0.01 U
D	Zinc	MG/L	3.13	0.11 U	0.1 U	0.11 U	0.02 U	0.11 U	0.11 U	0.02 U	1.2 J2	1.66

Notes:
T/D = total / dissolved fraction
FS = field sample
FD = field duplicate
J = estimated value
R = rejected result
U/UJ = not detected above listed value
mg/L = milligrams per liter
NA = not available

Screening value is cleanup level given in Record of Decision if available, if not, then screening level is USEPA drinking water maximum contaminant level (MCL) or if MCL is not available USEPA Regional Screening Level for tap water.

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	MW-01C 10/07/10 MW-1C FS	MW-01C 05/17/11 EMV-GW-MW-1C FS	MW-01C 08/15/11 EMRES-04XX FS	MW-01C 08/08/12 EMRES-04FD FD	MW-01C 08/08/12 EMRES-04XX FS	MW-01C 05/24/13 EMGWMW-1CFD FD	MW-01C 05/24/13 EMGWMW-1CXX FS	MW-01C 06/20/13 EMGWMW-1CXX FS	MW-01C 07/19/13 EMGWMW-1CXX FS	MW-01C 08/16/13 EMGWMW-1CXX FS	MW-01C 09/17/13 EMGWMWICXX FS	MW-01C 10/21/13 EMGWMWICXX FS	RES-01/-05/-06 04/26/00 RES-01 FS	RES-01/-05/-06 04/26/00 RES-05 FS
T	Aluminum	MG/L	16	0.14	0.11 U	0.3 U	0.3 U	0.3 U	0.0383 J	0.0423 J	0.162 J	0.3 U	0.164 J	0.255 J	0.3 U	0.077 U	0.077 U
T	Antimony	MG/L	0.006	0.005 U	0.02 U	0.001 U	0.00008 J	0.00008 J	0.001 U	0.001 U	0.001 U	0.008 U	0.008 UJ	0.008 UJ	0.008 U	0.029 U	0.029 U
T	Arsenic	MG/L	0.01	0.005 U	0.02 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0021 J	0.0014 J	0.008 U	0.008 U	0.0064 UJ	0.0064 UJ
T	Barium	MG/L	2	0.0337	0.02 U	0.0054	0.0073	0.0073	0.0111	0.0109	0.0095	0.0109	0.0104	0.0123	0.0138	0.0129	0.0121
T	Beryllium	MG/L	0.004	0.005 U	0.008 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00031 J	0.005 UJ	0.005 U	0.005 U	0.0019 U	0.0019 U
T	Cadmium	MG/L	0.005	0.00224 J	0.01 U	0.00025 J	0.00045 J	0.00041 J	0.00076 J	0.00086 J	0.00097 J	0.00077 J	0.00092 J	0.00093 J	0.0013 J	0.00081 U	0.00081 U
T	Calcium	MG/L	NA	310	53	63.5	107	106	148	152	147	166	166	191	207	54.4	54.3
T	Chromium	MG/L	0.1	0.005 U	0.02 U	0.015 U	0.0006 J	0.01 U	0.00097 J	0.00086 J	0.0009 J	0.0012 J	0.0009 J	0.001 J	0.00093 J	0.0098 U	0.0098 U
T	Cobalt	MG/L	0.005	0.2572	0.02 U	0.0214 J	0.0196	0.0201	0.0751	0.0765	0.0736	0.0804	0.0821	0.0962	0.117	0.0017 U	0.0017 U
T	Copper	MG/L	1.3	0.016	0.02 U	0.0025 J	0.0085 J	0.008 J	0.0088 J	0.0093 J	0.0068 J	0.0074 J	0.0037 J	0.0074 J	0.0077 J	0.0035 U	0.0038
T	Iron	MG/L	11	9.7	0.18	0.189	0.484	0.497	0.645	0.673	2.26	0.722	2.66	1.46	3.08	0.011 U	0.011 U
T	Lead	MG/L	0.015	0.005 U	0.02 U	0.005 U	0.005 U	0.0016 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.00078 UJ	0.00078 UJ
T	Magnesium	MG/L	NA	75	9.1	12.2	21.2	21	33.9	34.4	32.3	37.1	35.8	41.8	46.4	6.39	6.4
T	Manganese	MG/L	0.84	6.923	0.52	0.593	0.726	0.709	2.14	2.16	1.88	2.2	2.14	2.52	2.99	0.112	0.0926
T	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.00017 UJ	0.00017 UJ
T	Molybdenum	MG/L	0.04	0.03 U													
T	Nickel	MG/L	0.1	0.0323	0.02 U	0.04 U	0.0037 J	0.0035 J	0.0073 J	0.0073 J	0.0072 J	0.0081 J	0.008 J	0.0089 J	0.0104	0.0066 U	0.0066 U
T	Potassium	MG/L	NA	11	4	4.35	5.29 J	5.06 J	6.49	6.51	6.2	6.15	6.32	6.58	6.99	4.47	4.52
T	Selenium	MG/L	0.05	0.01 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0048	0.0044 U
T	Silver	MG/L	0.071	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0017 U	0.0017 U
T	Sodium	MG/L	NA	13	3.9	4.09	5.03	5.1	6.14	6.29	6.04	6.22	5.9	6.37	7.14	3.51	4.06
T	Strontium	MG/L	9.3	1.98													
T	Thallium	MG/L	0.002	0.005 U	0.02 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.015 U	0.015 U	0.0021 J	0.003 J	0.00038 U	0.00038 U
T	Tin	MG/L	9.3			0.1 U	0.1 U	0.0017 J	0.0013 J	0.0029 J	0.0014 J	0.0039 J	0.1 UJ	0.1 U	0.1 U		
T	Vanadium	MG/L	0.089	0.005 U	0.05 U	0.025 U	0.01 U	0.01 U	0.0037 J	0.0034 J	0.004 J	0.0046 J	0.0052 J	0.01 U	0.01 U	0.0034 U	0.0034 U
T	Zinc	MG/L	3.13	0.2114	0.02 U	0.0367	0.0267	0.0288	0.0551	0.0558	0.0576	0.109	0.0676	0.112	0.107	0.0047 U	0.0047 U
T	Sulfate	MG/L	250	1100	79	120 J	260	260	440	440	430	510	490	550	590	71	66
D	Aluminum	MG/L	16	0.029 J	0.12 U	0.3 U	0.3 U	0.3 U		0.0533 J	0.137 J	0.3 U	0.14 J	0.223 J	0.3 U		
D	Antimony	MG/L	0.006	0.005 U	0.022 U	0.001 U	0.00007 J	0.00006 J		0.001 U	0.00023 J	0.008 U	0.008 UJ	0.008 UJ	0.008 U		
D	Arsenic	MG/L	0.01	0.005 U	0.022 U	0.008 U	0.008 U	0.008 U		0.008 U	0.008 U	0.0016 J	0.0018 J	0.008 U	0.008 U		
D	Barium	MG/L	2	0.0345	0.022 U	0.0053	0.0072	0.0073		0.011	0.0093	0.0109	0.0102	0.0126	0.0142		
D	Beryllium	MG/L	0.004	0.005 U	0.009 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.005 U	0.005 UJ	0.005 U	0.005 U		
D	Cadmium	MG/L	0.005	0.00231 J	0.011 U	0.00022 J	0.00036 J	0.00041 J		0.00084 J	0.00081 J	0.00081 J	0.00091 J	0.00098 J	0.0011 J		
D	Calcium	MG/L	NA	310	47	63.6	104	105		149	148	164	164	191	208		
D	Chromium	MG/L	0.1	0.005 U	0.022 U	0.015 U	0.00079 J	0.0004 J		0.0013 J	0.0009 J	0.0016 J	0.00084 J	0.001 J	0.00091 J		
D	Cobalt	MG/L	0.005	0.27	0.022 U	0.0212 J	0.0206	0.0198		0.0752	0.0781	0.0818	0.0822	0.0971	0.119		
D	Copper	MG/L	1.3	0.0101	0.022 U	0.0024 J	0.0055 J	0.0046 J		0.0094 J	0.0035 J	0.0061 J	0.0033 J	0.0086 J	0.0084 J		
D	Iron	MG/L	11	7.6	0.054	0.111	0.397	0.402		0.663	2	0.698	2.5	1.45	3.07		
D	Lead	MG/L	0.015	0.005 U	0.022 U	0.005 U	0.0014 J	0.0012 J		0.005 U	0.005 U	0.0085	0.005 UJ	0.005 U	0.005 U		
D	Magnesium	MG/L	NA	77	8.3	12.2	20.8	21		33.9	32.3	37.4	35.8	42	47 J		
D	Manganese	MG/L	0.84	7.144	0.47	0.596	0.698	0.693		2.12	1.91	2.18	2.12	2.57	2.99		
D	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 U		0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U		
D	Molybdenum	MG/L	0.04	0.03 U													
D	Nickel	MG/L	0.1	0.0344	0.022 U	0.04 U	0.0033 J	0.0035 J		0.0073 J	0.0078 J	0.008 J	0.0078 J	0.0095 J	0.0105		
D	Potassium	MG/L	NA	10	4.1	4.27	5.13	5.03		6.39	6.26 J	6.06	6.32	6.71	6.98		
D	Selenium	MG/L	0.05	0.01 U	0.045 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		
D	Silver	MG/L	0.071	0.005 U	0.011 U	0.015 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		
D	Sodium	MG/L	NA	13	3.9	4.06	4.96	5.11		6.16	6.17	6.2	5.84	6.48	7.16		
D	Strontium	MG/L	9.3	2													
D	Thallium	MG/L	0.002	0.005 U	0.022 U	0.001 U	0.001 U	0.001 U		0.001 U	0.001 U	0.015 U	0.015 U	0.0017 J	0.0027 J		
D	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U		0.0024 J	0.0012 J	0.002 J	0.1 UJ	0.1 U	0.1 U		
D	Vanadium	MG/L	0.089	0.005 U	0.022 U	0.025 U	0.01 U	0.01 U		0.0036 J	0.0039 J	0.0046 J	0.0052 J	0.01 U	0.01 U		
D	Zinc	MG/L	3.13	0.4274	0.022 U	0.0343	0.0266	0.0257		0.0556	0.0489	0.123	0.0641	0.122	0.114		

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-01/-05/-06 05/11/00 RES-06 FS	RES-01/-05/-06 05/19/00 RES-05-02 FS	RES-01/-05/-06 05/19/00 RES-06-02 FS	RES-01/-05/-06 09/05/00 RES-05-03 FS	RES-01/-05/-06 10/31/00 RES-05-04 FS	RES-01/-05/-06 11/21/00 RES-05-05 FS	RES-01/-05/-06 01/22/01 RES-05-07 FS	RES-01/-05/-06 01/22/01 RES-05-07D FD	RES-01/-05/-06 02/07/01 RES-05-08 FS	RES-01/-05/-06 02/07/01 RES-05-08D FD	RES-01/-05/-06 03/19/01 RES-05-09 FS	RES-01/-05/-06 04/30/01 RES-05-10 FS	RES-01/-05/-06 05/23/01 RES-05-11 FS	RES-01/-05/-06 05/23/01 RES-05-11D FD	RES-01/-05/-06 09/07/01 RES-05-12 FS
T	Aluminum	MG/L	16	0.077 U	0.03 UJ	0.03 UJ	0.0206 U	0.019 U	0.0228 J	0.0262 UJ	0.019 U	0.0217 UJ	0.0364 UJ	0.0609 UJ	0.0319 U	0.0319 U	0.0319 U	0.0319 U
T	Antimony	MG/L	0.006	0.029 U	0.0024 UJ	0.0024 UJ	0.0049 U	0.00078 UJ	0.00063 UJ	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00056 U	0.00094 U	0.0025 U	0.0028 U	0.0014 UJ
T	Arsenic	MG/L	0.01	0.0063 J	0.0035 UJ	0.0035 UJ	0.0084 UJ	0.005 U	0.0062 UJ	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.0037 U	0.0053 UJ	0.0053 UJ	0.0098 UJ
T	Barium	MG/L	2	0.003	0.013 J	0.0037 J	0.0127	10.4	0.0105	0.0121	0.0113	0.0117	0.0111	0.0102	0.0123	0.0123	0.0118	0.0108
T	Beryllium	MG/L	0.004	0.0019 U	0.00067 UJ	1.1 UJ	0.00054 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00046 UJ	0.0004 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U
T	Cadmium	MG/L	0.005	0.00081 U	0.00033 UJ	0.00033 UJ	0.0005 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 UJ	0.0009 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U
T	Calcium	MG/L	NA	24.8	57.9 J	26.6 J	57.9	55.7	55.3	57.4	57.8	56.9	56.3	56.6	60.1	57.6	58.7	54.3
T	Chromium	MG/L	0.1	0.0098 U	0.00064 UJ	0.019 J	0.0016 UJ	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0017 U	0.0017 U	0.0017 U	0.0019 UJ
T	Cobalt	MG/L	0.005	0.0017 U	0.0008 UJ	0.0008 UJ	0.0017 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
T	Copper	MG/L	1.3	0.0035 U	0.004 J	0.004 J	0.0196 U	0.0027 U	0.0056 UJ	0.0027 U	0.0027 U	0.0139	0.0101	0.0058 U	0.0034 J	0.0049	0.0044	0.0114
T	Iron	MG/L	11	0.0297 J	0.075 UJ	0.17 UJ	0.0295 U	0.0067 U	0.0945 UJ	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0274 U	0.0376 U	0.0376 U	0.0376 U	0.0376 U
T	Lead	MG/L	0.015	0.00078 U	0.0016 UJ	0.0016 UJ	0.0026 UJ	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.0019	0.0016 J	0.00092 U	0.0017 J	0.00076 U	0.0011 UJ	0.00099 U
T	Magnesium	MG/L	NA	2.95	7 J	3.3 J	8.22	7.79	7.47	8.34	8.52	7.94	7.86	7.93 J	7.11	6.05	6.16	7.17
T	Manganese	MG/L	0.84	0.0026 U	0.08 J	0.0051 UJ	0.168	0.364	0.287	0.413	0.412	0.437	0.44	0.392	0.0977	0.0586	0.06	0.213 J
T	Mercury	MG/L	0.002	0.0001 U	0.00006 UJ	0.00006 UJ	0.0001 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.0001 UJ	0.00009 UJ	0.00009 UJ	0.00011 UJ
T	Molybdenum	MG/L	0.04															
T	Nickel	MG/L	0.1	0.0066 U	0.0011 UJ	0.021 UJ	0.0037 U	0.0084 U	0.0257 UJ	0.0084 U	0.0084 U	0.0084 U	0.0084 U	0.0084 U	0.0018 J	0.0032 UJ	0.0032 U	0.0018
T	Potassium	MG/L	NA	3	4.3 J	2.9 J	4.01 J	4.68 J	3.93	4.43	4.26	4.87	4.88	4.76	4.97	4.45	4.47	4.13
T	Selenium	MG/L	0.05	0.0044 U	0.002 UJ	0.002 UJ	0.0039 UJ	0.0011 UJ	0.00064 UJ	0.0008 UJ	0.0013 U	0.001 J	0.00068 J	0.00085 UJ	0.0028 UJ	0.0014 U	0.0014 U	0.0018 UJ
T	Silver	MG/L	0.071	0.0017 U	0.00096 UJ	0.00096 UJ	0.0018 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0013 U	0.0028 UJ	0.0028 UJ	0.0013 U
T	Sodium	MG/L	NA	2	3.9 J	1800 J	5.54 J	4.1	3.94	4.24	4.17	4.45	4.46	4.16	3.74	3.57	3.55	4
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.00038 U	0.0027 UJ	0.0027 UJ	0.00046 U	0.00031 UJ	0.00023 U	0.00027 J	0.00023 U	0.00041 J	0.00051	0.00081 UJ	0.00092 UJ	0.00054 U	0.00054 U	0.00054 U
T	Tin	MG/L	9.3															
T	Vanadium	MG/L	0.089	0.0034 U	0.00074 UJ	0.00072 UJ	0.0014 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
T	Zinc	MG/L	3.13	0.0063	0.0062 J	0.00083 UJ	0.0125 U	0.0086 U	0.0086 U	0.0086 U	0.0086 U	0.0086 U	0.0229 U	0.0086 U	0.0127 U	0.0092	0.0099 J	0.0073 U
T	Sulfate	MG/L	250	13.2	73	16.2	90.3	105	104	115	113	109	108	113	72	66.1	56.1	97
D	Aluminum	MG/L	16															
D	Antimony	MG/L	0.006															
D	Arsenic	MG/L	0.01															
D	Barium	MG/L	2															
D	Beryllium	MG/L	0.004															
D	Cadmium	MG/L	0.005															
D	Calcium	MG/L	NA															
D	Chromium	MG/L	0.1															
D	Cobalt	MG/L	0.005															
D	Copper	MG/L	1.3															
D	Iron	MG/L	11															
D	Lead	MG/L	0.015															
D	Magnesium	MG/L	NA															
D	Manganese	MG/L	0.84															
D	Mercury	MG/L	0.002															
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1															
D	Potassium	MG/L	NA															
D	Selenium	MG/L	0.05															
D	Silver	MG/L	0.071															
D	Sodium	MG/L	NA															
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002															
D	Tin	MG/L	9.3															
D	Vanadium	MG/L	0.089															
D	Zinc	MG/L	3.13															

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-01/-05/-06 10/24/01 RES-05-13 FS	RES-01/-05/-06 11/29/01 RES-05-14 FS	RES-01/-05/-06 11/29/01 RES-05-14D FD	RES-01/-05/-06 12/27/01 RES-05-15 FS	RES-01/-05/-06 02/05/02 RES-05-16 FS	RES-01/-05/-06 06/01/02 RES-05-18 FS	RES-01/-05/-06 12/03/02 EMV-RES-QS1 FD	RES-01/-05/-06 12/03/02 EMV-RES-RES-06 FS	RES-01/-05/-06 03/27/03 EMV-RES-QS1 FD	RES-01/-05/-06 03/27/03 EMV-RES-RES-06 FS	RES-01/-05/-06 08/06/13 EMRES1XX FS	RES-02 04/26/00 RES-02 FS	RES-02 05/19/00 RES-02-02 FS	RES-02 09/05/00 RES-02-03 FS	RES-02 09/05/00 RES-02-03D FD
T	Aluminum	MG/L	16	0.0319 U	0.0319 U	0.0319 U	0.0386 UJ	0.113 U	0.0477 U	0.2 U	0.2 U	0.2 U	0.2 U	0.0557 J	0.077 U	0.037 J	0.0295 U	0.0426 U
T	Antimony	MG/L	0.006	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00058 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.029 U	0.0024 UJ	0.0049 U	0.0049 U
T	Arsenic	MG/L	0.01	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0049 UJ	0.003 U	0.003 U	0.01 U	0.01 U	0.008 UJ	0.0064 UJ	0.0035 UJ	0.008 UJ	0.0082 UJ
T	Barium	MG/L	2	0.012	0.0112	0.0115	0.0117	0.0136	0.0109	0.011	0.011	0.012 J	0.012 J	0.0201	0.0086	0.014 J	0.0139	0.0135
T	Beryllium	MG/L	0.004	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.0005 U	0.0005 U	0.0005 U	0.002 U	0.002 U	0.001 U	0.0019 U	0.00062 UJ	0.00052 U	0.00062 U
T	Cadmium	MG/L	0.005	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00094 U	0.0005 U	0.0005 U	0.003 U	0.003 U	0.001 U	0.00081 U	0.00033 UJ	0.0005 U	0.0005 U
T	Calcium	MG/L	NA	59.8	60.6	62	58.7	54.1	55.1	61.8	63.7	58.1	58.7	64.6	35.3	49.2 J	46.8	45.5
T	Chromium	MG/L	0.1	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.002 UJ	0.05 U	0.05 U	0.03 U	0.03 U	0.01 U	0.0098 U	0.00064 UJ	0.0016 UJ	0.0016 UJ
T	Cobalt	MG/L	0.005	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.05 U	0.05 U	0.05 U	0.05 U	0.01 UJ	0.0017 U	0.0008 UJ	0.0017 U	0.0017 U
T	Copper	MG/L	1.3	0.0035 J	0.0024 U	0.0024 U	0.0072	0.0045 J	0.0122 U	0.05 U	0.05 U	0.011 UJ	0.01 UJ	0.0076 J	0.0086	0.0079 J	0.0179 U	0.0214 U
T	Iron	MG/L	11	0.0376 U	0.0376 U	0.0376 U	0.0376 U	0.196	0.0349 U	0.05	0.05 U	0.1 U	0.1 U	0.1 U	0.0383 J	0.12 UJ	0.0295 U	0.0358 UJ
T	Lead	MG/L	0.015	0.0011 J	0.0011 J	0.001 J	0.0013 UJ	0.0012 J	0.0012 J	0.0002 J	0.0002 J	0.003 UJ	0.003 UJ	0.005 UJ	0.00078 UJ	0.0016 UJ	0.0026 UJ	0.0026 UJ
T	Magnesium	MG/L	NA	8.18	8.35	8.54	8.09	7.53	6.04	8.4	8.9	7.5	7.6	5.1	3.97	4.4 J	4.5	4.38
T	Manganese	MG/L	0.84	0.35 J	0.291	0.341	0.305	0.534	0.0405 J	0.218	0.225	0.093	0.094	0.005 U	0.0026 U	0.00016 UJ	0.00042 U	0.00034 UJ
T	Mercury	MG/L	0.002	0.00008 UJ	0.00005 UJ	0.00005 UJ	0.00008 UJ	0.0001 UJ	0.0001 UJ	0.001 U	0.001 U	0.0002 U	0.0002 U	0.0002 U	0.00017 UJ	0.00006 UJ	0.00045 J	0.0001 U
T	Molybdenum	MG/L	0.04							0.05 U	0.05 U							
T	Nickel	MG/L	0.1	0.0055 U	0.0033 J	0.0032 J	0.0042 J	0.0064	0.0073 UJ	0.05 U	0.05 U	0.002 J	0.0019 J	0.01 UJ	0.0066 U	0.001 UJ	0.0014 UJ	0.0024 U
T	Potassium	MG/L	NA	4.89	4.71	4.81	4.45	4.56	4.67	4.3	4.6	4.7 J	4.8 J	5.27	4.22	4.6 J	4.21 J	4.26 J
T	Selenium	MG/L	0.05	0.0014 U	0.0014 U	0.0014 U	0.0014 UJ	0.0014 U	0.00083 UJ	0.008 U	0.008 U	0.0011 J	0.005 UJ	0.01 UJ	0.0044 U	0.002 UJ	0.0039 UJ	0.0039 UJ
T	Silver	MG/L	0.071	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014 UJ	0.03 U	0.03 U	0.02 UJ	0.02 UJ	0.01 U	0.0017 U	0.00096 UJ	0.0018 U	0.0018 U
T	Sodium	MG/L	NA	4.1	4.31	4.59	4.09	4.37	3.73	4.4	4.8	4.3	4.2	3.23	3.94	4.1 J	5.04 J	5.09 J
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.0008 J	0.00054 U	0.00054 U	0.00054 UJ	0.00054 UJ	0.00054 U	0.0003 U	0.0003 U	0.002 U	0.002 U	0.001 U	0.00038 U	0.0027 UJ	0.00046 U	0.00033 J
T	Tin	MG/L	9.3											0.1 U				
T	Vanadium	MG/L	0.089	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0017 U	0.03 U	0.03 U	0.02 U	0.02 U	0.00054 J	0.0034 U	0.00072 UJ	0.0014 U	0.0014 U
T	Zinc	MG/L	3.13	0.0106 J	0.0041 UJ	0.0032 UJ	0.0089 U	0.0058 J	0.037 U	0.05 U	0.05 U	0.012 J	0.013 J	0.0209	0.0047 U	0.0038 J	0.0465 U	0.0256 U
T	Sulfate	MG/L	250	90	115	112	112	100	72.7					33	101	54.6	49	50.2
D	Aluminum	MG/L	16											0.3 UJ				
D	Antimony	MG/L	0.006											0.001 U				
D	Arsenic	MG/L	0.01											0.008 UJ				
D	Barium	MG/L	2											0.006				
D	Beryllium	MG/L	0.004											0.001 U				
D	Cadmium	MG/L	0.005											0.001 U				
D	Calcium	MG/L	NA											19.9				
D	Chromium	MG/L	0.1											0.01 U				
D	Cobalt	MG/L	0.005											0.01 UJ				
D	Copper	MG/L	1.3											0.025 U				
D	Iron	MG/L	11											0.1 U				
D	Lead	MG/L	0.015											0.005 UJ				
D	Magnesium	MG/L	NA											1.73				
D	Manganese	MG/L	0.84											0.005 U				
D	Mercury	MG/L	0.002											0.0002 UJ				
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1											0.01 UJ				
D	Potassium	MG/L	NA											1.63				
D	Selenium	MG/L	0.05											0.01 U				
D	Silver	MG/L	0.071											0.01 U				
D	Sodium	MG/L	NA											1.01				
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002											0.001 U				
D	Tin	MG/L	9.3											0.1 U				
D	Vanadium	MG/L	0.089											0.01 UJ				
D	Zinc	MG/L	3.13											0.0059 J				

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-02 10/31/00 RES-02-04 FS	RES-02 10/31/00 RES-02-04DUP FD	RES-03 04/26/00 RES-03 FS	RES-03 05/19/00 RES-03-02 FS	RES-03 05/19/00 RES-03-02DUP FD	RES-03A 04/26/00 RES-03-A FS	RES-04 04/26/00 RES-04 FS	RES-04 05/19/00 RES-04-02 FS	RES-04 09/05/00 RES-04-03 FS	RES-04 10/17/00 RES-04-E1 FS	RES-04 10/25/00 RES-04-04D FD	RES-04 10/25/00 RES-04-04W FS	RES-04 10/31/00 RES-04-04 FS	RES-04 10/31/00 RES-04-04-BF FS	RES-04 10/31/00 RES-04-04AF FS
T	Aluminum	MG/L	16	0.0282 UJ	0.0318 UJ	25.3	31 J	28.9 J	0.077 U	0.077 U	0.03 UJ	0.037 U	0.0167 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.0273 UJ
T	Antimony	MG/L	0.006	0.00056 U	0.00056 U	0.043 U	0.0024 UJ	0.0024 UJ	0.029 U	0.029 U	0.0024 UJ	0.0049 U	0.0026 UJ	0.00056 U	0.00056 U	0.0019 U	0.00073 UJ	0.00056 U
T	Arsenic	MG/L	0.01	0.005 U	0.005 U	0.0114 U, U	0.0035 UJ	0.00044 J	0.0064 UJ	0.0064 UJ	0.0035 UJ	0.0096 UJ	0.0032 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
T	Barium	MG/L	2	0.007	0.0071	0.0172 J	0.012 J	0.012 J	0.0058	0.0172	0.021 J	0.0225	0.0154 J	0.0169	0.0165	0.0168	0.0161	0.0159
T	Beryllium	MG/L	0.004	0.0004 U	0.0004 U	0.0038 U	0.0035 UJ	0.0033 UJ	0.0019 U	0.0019 U	0.00031 UJ	0.00061 U	0.00071 UJ	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
T	Cadmium	MG/L	0.005	0.0009 U	0.0009 U	0.0175	0.016 J	0.015 J	0.00081 U	0.00081 U	0.00033 UJ	0.0005 U	0.00027 UJ	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
T	Calcium	MG/L	NA	32.1	32.7	319	185 J	193 J	70.7	25.1	32.6 J	41.4	37.3 J	39	37.9	38.1	41.5	41.5
T	Chromium	MG/L	0.1	0.0066 U	0.0066 U	0.0164 U	0.0032 UJ	0.0026 UJ	0.0098 U	0.0098 U	0.00064 UJ	0.0016 UJ	0.0017 UJ	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U
T	Cobalt	MG/L	0.005	0.0071 U	0.0071 U	0.454	0.44 J	0.42 J	0.226	0.0017 U	0.0008 UJ	0.0017 U	0.00055 UJ	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U
T	Copper	MG/L	1.3	0.0058	0.0069	12.64	13.2 J	12.2 J	0.0035 U	0.0071	0.0088 J	0.0221 U	0.0043 J	0.014	0.0027 U	0.0066	0.005	0.0082
T	Iron	MG/L	11	0.0592 U	0.0588 U	1.88	0.37 J	0.36 J	30.9	0.011 U	0.051 UJ	0.0295 U	0.0584 UJ	0.0168 U	0.683	0.0067 U	0.0187 U	0.0268 U
T	Lead	MG/L	0.015	0.00092 U	0.0018 J	0.0068 J, UJ	0.0016 UJ	0.0016 UJ	0.00078 UJ	0.00078 U	0.0016 UJ	0.0026 UJ	0.0021 UJ	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.00092 U
T	Magnesium	MG/L	NA	3.71	3.79	40.9	23.3 J	23 J	15.7	1.39	1.8 J	2.02	1.79 J	1.89	1.83	1.83	1.96	1.96
T	Manganese	MG/L	0.84	0.0025 U	0.0025 U	2.41	1.6 J	1.4 J	1.48	0.0029	0.003 UJ	0.0016 U	0.002 UJ	0.0025 U	0.0032	0.0025 U	0.0025 U	0.0025 U
T	Mercury	MG/L	0.002	0.00012 U	0.00012 U	0.00035 J, UJ	0.00006 UJ	0.00006 UJ	0.00017 UJ	0.00017 UJ	0.00006 UJ	0.0001 U	0.00011 UJ	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
T	Molybdenum	MG/L	0.04															
T	Nickel	MG/L	0.1	0.0084 U	0.0084 U	0.1614	0.13 J	0.12 J	0.0617	0.0066 U	0.001 UJ	0.0023 U	0.00089 UJ	0.0084 U	0.0084 U	0.0084 U	0.0084 U	0.0084 U
T	Potassium	MG/L	NA	4.11 J	4.15 J	11.65	7.8 J	7.8 J	4.35	2	2.2 J	2.3 J	2.26 J	2.62 J	2.55 J	2.56 J	2.85 J	2.76 J
T	Selenium	MG/L	0.05	0.0011 UJ	0.0011 UJ	0.0085 J, U	0.002 UJ	0.002 UJ	0.0044 U	0.0044 U	0.0026 J	0.0039 UJ	0.0025 UJ	0.00084 J	0.0014 UJ	0.0014 UJ	0.0011 UJ	0.0011 UJ
T	Silver	MG/L	0.071	0.0036 U	0.0036 U	0.0033 U	0.00096 UJ	0.00096 UJ	0.0017 U	0.0017 U	0.00096 UJ	0.0018 U	0.0015 UJ	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U
T	Sodium	MG/L	NA	3.38	3.3	14.69	9 J	8.9 J	3.33	1.96	2.1 J	2.66 J	1.97 J	2.19 U	2.39 U	2.08 U	1.66 J	1.84
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.00031 UJ	0.00031 UJ	0.38 U	0.0027 UJ	0.0027 UJ	0.38 U	0.38 U	0.0027 UJ	0.00023 U	0.0021 UJ	0.00023 U	0.00023 U	0.00023 U	0.00031 UJ	0.00031 UJ
T	Tin	MG/L	9.3															
T	Vanadium	MG/L	0.089	0.0026 U	0.0026 U	0.006 U	0.00092 UJ	0.00075 UJ	0.0034 U	0.0034 U	0.00072 UJ	0.0014 U	0.0006 UJ	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
T	Zinc	MG/L	3.13	0.0086 U	0.0086 U	2.17	2.1 J	2 J	0.758	0.2	0.15 J	0.0498 U	0.028 J	0.0272	0.0341	0.0291	0.0272 U	0.0246 U
T	Sulfate	MG/L	250	29.1	28	490	816	824	202	16.4	17.8	20 U		10 U		20 U	13.4	13.3
D	Aluminum	MG/L	16															
D	Antimony	MG/L	0.006															
D	Arsenic	MG/L	0.01															
D	Barium	MG/L	2															
D	Beryllium	MG/L	0.004															
D	Cadmium	MG/L	0.005															
D	Calcium	MG/L	NA															
D	Chromium	MG/L	0.1															
D	Cobalt	MG/L	0.005															
D	Copper	MG/L	1.3															
D	Iron	MG/L	11															
D	Lead	MG/L	0.015															
D	Magnesium	MG/L	NA															
D	Manganese	MG/L	0.84															
D	Mercury	MG/L	0.002															
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1															
D	Potassium	MG/L	NA															
D	Selenium	MG/L	0.05															
D	Silver	MG/L	0.071															
D	Sodium	MG/L	NA															
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002															
D	Tin	MG/L	9.3															
D	Vanadium	MG/L	0.089															
D	Zinc	MG/L	3.13															

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-04 11/21/00 RES-04-05 FS	RES-04 11/21/00 RES-04-05D FD	RES-04 12/28/00 RES-04-06 FS	RES-04 12/28/00 RES-04-06D FD	RES-04 01/22/01 RES-04-07 FS	RES-04 02/07/01 RES-04-08 FS	RES-04 03/19/01 RES-04-09 FS	RES-04 04/30/01 RES-04-10 FS	RES-04 04/30/01 RES-04-10D FD	RES-04 05/23/01 RES-04-11 FS	RES-04 12/04/02 EMV-RES-RES-04 FS	RES-04 03/28/03 EMV-RES-RES-04 FS	RES-04A 04/30/01 RES-04A-10 FS	RES-04A 04/30/01 RES-04A-10D FD	RES-04A 09/07/01 RES-04A-12 FS
T	Aluminum	MG/L	16	0.019 U	0.019 U	0.0192 U	0.0192 U	0.019 U	0.026 UJ	0.0609 UJ	0.0319 U	0.0319 U	0.0319 U	0.2 U	0.098 U	0.196 U	0.186 U	0.0653 UJ
T	Antimony	MG/L	0.006	0.00086 UJ	0.00082 UJ	0.00076 U	0.00076 U	0.00063 J	0.00056 U	0.00056 U	0.00094 U	0.00094 U	0.0013 UJ	0.001 U	0.005 U	0.00094 U	0.00094 U	0.00094 U
T	Arsenic	MG/L	0.01	0.0062 UJ	0.0062 UJ	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.0037 U	0.0038 J	0.0053 UJ	0.003 U	0.01 U	0.0037 U	0.0037 U	0.0098 U
T	Barium	MG/L	2	0.0161	0.016	0.0122	0.0137 J	0.0166 J	0.0146	0.0137	0.0166	0.0166	0.0173	0.019	0.012 J	0.0134	0.013	0.0253
T	Beryllium	MG/L	0.004	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00064 U	0.00064 U	0.00064 U	0.0005 U	0.002 U	0.00064 U	0.00064 U	0.00064 U
T	Cadmium	MG/L	0.005	0.0009 U	0.0009 U	0.00091 U	0.00091 U	0.0009 U	0.0009 U	0.0009 U	0.00064 U	0.00064 U	0.00064 U	0.0003	0.003 U	0.00064 U	0.00064 U	0.00064 U
T	Calcium	MG/L	NA	44.1	44.7	38.7	38.5	42.8	40.1	37.6	40.2	40.5	40.5	111	46.7	65.2	61.9	53.2
T	Chromium	MG/L	0.1	0.0066 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0066 U	0.0066 U	0.0017 U	0.0017 U	0.0017 U	0.05 U	0.03 U	0.0017 U	0.0017 U	0.0017 U
T	Cobalt	MG/L	0.005	0.0071 U	0.0071 U	0.0072 U	0.0072 U	0.0071 U	0.0071 U	0.0071 U	0.0018 U	0.0018 U	0.0018 U	0.03	0.0042 U	0.0043	0.0046	0.0018 U
T	Copper	MG/L	1.3	0.0341	0.0064 J	0.0197	0.0201	0.0337	0.0157	0.0108 U	0.137 J	0.008 J	0.0166	0.05 U	0.0067 UJ	0.0024 J	0.0025 J	0.0123
T	Iron	MG/L	11	0.0945 UJ	0.0945 UJ	0.041 U	0.0284 U	0.0068 J	0.0298 U	0.071 U	0.0376 U	0.0376 U	0.0376 U	0.16	0.16 U	0.393	0.374	0.95 J
T	Lead	MG/L	0.015	0.0217	0.00092 U	0.0019 U	0.0019 U	0.0026 J	0.00095	0.00092 U	0.0052 J	0.0014 J	0.0019 U	0.0012	0.003 UJ	0.0009 J	0.00076 U	0.0032 J
T	Magnesium	MG/L	NA	2	2.02	1.86	1.84	2.11	1.94	1.83 J	2.14	2.18	2.05	25.3	6.3	10.3	9.88	5.56
T	Manganese	MG/L	0.84	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0022	0.0016	0.00062 U	1.35	0.29	0.733	0.697	0.659 J
T	Mercury	MG/L	0.002	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.0001 UJ	0.00009 J	0.00009 UJ	0.001 U	0.0002 U	0.0001 J	0.00005 J	0.00011 UJ
T	Molybdenum	MG/L	0.04											0.05 U				
T	Nickel	MG/L	0.1	0.0257 UJ	0.0257 UJ	0.0085 U	0.0085 U	0.0084 U	0.0084 U	0.0084 U	0.0016 U	0.0016 U	0.0032 UJ	0.05 U	0.05 U	0.0017 J	0.0016 U	0.0024 UJ
T	Potassium	MG/L	NA	2.36	2.35	2.1	2.05	2.24	2.47	2.53	2.26	2.34	2.19	5.4	4.4 J	5.26	5.06	4.33
T	Selenium	MG/L	0.05	0.00064 UJ	0.00088 J	0.0013 U	0.0013 U	0.001 UJ	0.0009 J	0.001 UJ	0.0028 UJ	0.0028 UJ	0.0014 U	0.008 U	0.0014 J	0.0028 UJ	0.0028 UJ	0.0028 U
T	Silver	MG/L	0.071	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0013 U	0.0013 U	0.0028 UJ	0.03 U	0.02 UJ	0.0013 U	0.0025 UJ	0.0013 U
T	Sodium	MG/L	NA	1.93	1.63	1.58	1.48	1.51	1.43	1.47	1.79	1.94	1.94	5.4	4.2	4.66	4.11	5.59
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.00023 U	0.00023 U	R	R	0.00037 J	0.00034	0.00081 UJ	0.00092 UJ	0.00092 UJ	0.00054 U	0.0003 U	0.002 U	0.00092 UJ	0.00092 UJ	0.00054 U
T	Tin	MG/L	9.3															
T	Vanadium	MG/L	0.089	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0016 U	0.0016 U	0.0016 U	0.03 U	0.02 U	0.0016 U	0.0016 U	0.0016 U
T	Zinc	MG/L	3.13	0.0462	0.0388	0.0404	0.0415	0.033	0.026 U	0.0294	0.078 U	0.0375 U	0.0364	0.04	0.0098 J	0.015 U	0.0126 U	0.0113 U
T	Sulfate	MG/L	250	14.4	14	13.9	14	21.1	14.6	15.7	22.2	22.3	22.1			76		61
D	Aluminum	MG/L	16															
D	Antimony	MG/L	0.006															
D	Arsenic	MG/L	0.01															
D	Barium	MG/L	2															
D	Beryllium	MG/L	0.004															
D	Cadmium	MG/L	0.005															
D	Calcium	MG/L	NA															
D	Chromium	MG/L	0.1															
D	Cobalt	MG/L	0.005															
D	Copper	MG/L	1.3															
D	Iron	MG/L	11															
D	Lead	MG/L	0.015															
D	Magnesium	MG/L	NA															
D	Manganese	MG/L	0.84															
D	Mercury	MG/L	0.002															
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1															
D	Potassium	MG/L	NA															
D	Selenium	MG/L	0.05															
D	Silver	MG/L	0.071															
D	Sodium	MG/L	NA															
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002															
D	Tin	MG/L	9.3															
D	Vanadium	MG/L	0.089															
D	Zinc	MG/L	3.13															

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-04A 09/07/01 RES-04A-12D FD	RES-04A 10/24/01 RES-04A-13 FS	RES-04A 10/24/01 RES-04A-13D FD	RES-04A 10/24/01 RES-04B-13 FS	RES-04A 11/29/01 RES-04A-14 FS	RES-04A 12/27/01 RES-04A-15 FS	RES-04A 02/05/02 RES-04A-16 FS	RES-04A 02/05/02 RES-04A-16D FD	RES-04A 03/25/02 RES-04A-17 FS	RES-04A 03/25/02 RES-04A-17D FD	RES-04A 06/01/02 RES-04A-18 FS	RES-04A 06/01/02 RES-04A-18D FD	RES-07/RW-8 05/19/00 RES-07-02 FS	RES-07/RW-8 09/06/00 RES-07-03 FS	RES-07/RW-8 10/31/00 RES-07-04 FS
T	Aluminum	MG/L	16	0.0738 UJ	0.103 U	0.0392 UJ	0.058 UJ	0.0319 U	0.0319 U	0.0522 UJ	0.0403 UJ	0.0074 U	0.0074 U	0.0477 U	4.14 J	0.03 UJ	0.0339 U	0.019 U
T	Antimony	MG/L	0.006	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00073 U	0.00032 U	0.00058 U	0.00058 U	0.0024 UJ	0.0049 U	0.00056 U
T	Arsenic	MG/L	0.01	0.0098 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.00044 U	0.00025 U	0.0049 UJ	0.0049 UJ	0.0035 UJ	0.008 UJ	0.005 U
T	Barium	MG/L	2	0.0377	0.0105	0.0101	0.0112	0.0096	0.0096	0.022	0.0226	0.016	0.015	0.0091	0.0302	0.012 J	0.0437	0.0121
T	Beryllium	MG/L	0.004	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00013 U	0.00013 U	0.0005 U	0.0005 U	0.00095 UJ	0.00059 U	0.0004 U
T	Cadmium	MG/L	0.005	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00084 UJ	0.0008 UJ	0.00031	0.00024	0.00094 U	0.00094 U	0.00033 UJ	0.0005 U	0.0009 U
T	Calcium	MG/L	NA	54.8	42.9	41.3	41.7	39.9	38.8	115	119	71	66	39.9	40.2	28 J	34.5	27.9
T	Chromium	MG/L	0.1	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017	0.0012	0.002 UJ	0.0385 J	0.0022 UJ	0.0016 UJ	0.0066 U
T	Cobalt	MG/L	0.005	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0064	0.0067	0.025	0.022	0.0018 J	0.0492	0.0008 UJ	0.0017 U	0.0071 U
T	Copper	MG/L	1.3	0.0155	0.0177 J	0.472 J	0.0024 U	0.0327	0.109	0.02	0.0255	0.042	0.073	0.0243 J	0.187 J	0.0075 J	0.0171 U	0.003 J
T	Iron	MG/L	11	1.71 J	0.201	0.115	0.394	0.0792	0.0376 U	0.0376 U	0.0376 U	0.37	0.23	0.0349 U	12 J	1.4 J	1.33	0.653
T	Lead	MG/L	0.015	0.0058 J	0.0029 J	0.032 J	0.0014 J	0.0039 J	0.0074 J	0.0031 J	0.0047 J	0.046 J	0.0074 J	0.0017 J	0.0323 J	0.002 J	0.0026 UJ	0.00092 U
T	Magnesium	MG/L	NA	5.71	4.97	4.61	3.88	3.79	3.64	27.8	29.1	14	13	4.43	7.57	4 J	4.94	3.91
T	Manganese	MG/L	0.84	0.919 J	0.293 J	0.256 J	0.239 J	0.117	0.0819	1.13	1.19	1.2	1.1	0.23 J	1.23 J	0.022 J	0.023 J	0.0156
T	Mercury	MG/L	0.002	0.00011 UJ	0.00008 UJ	0.00008 UJ	0.00008 UJ	0.00005 UJ	0.00003 UJ	0.0001 UJ	0.0001 UJ	0.00005 U	0.00005 U	0.0001 UJ	0.0001 UJ	0.00006 UJ	0.0001 U	0.00012 U
T	Molybdenum	MG/L	0.04															
T	Nickel	MG/L	0.1	0.0031 UJ	0.0034 U	0.0042 UJ	0.0027 UJ	0.0023 U	0.0023 U	0.0059	0.0078	0.0081	0.0079	0.007 UJ	0.0238	0.0067 UJ	0.0021 U	0.0084 U
T	Potassium	MG/L	NA	4.41	4.35	4.29	4.34	4.08	3.88	5.96	6.02	4.5	4.3	4.01	4.66	3.8 J	4 J	4.31 J
T	Selenium	MG/L	0.05	0.0018 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0026 UJ	0.0022 UJ	0.0014	0.00059 U	0.001 UJ	0.0013 UJ	0.002 UJ	0.0039 UJ	0.0011 UJ
T	Silver	MG/L	0.071	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.00003 U	0.00003 U	0.0014 UJ	0.0014 UJ	0.00096 UJ	0.0018 U	0.0036 U
T	Sodium	MG/L	NA	5.63	3.71	3.7	3.88	3.71	3.79	5.8	5.96	4.5 J	4.6 J	3.78	3.67	8.2 J	15.5 J	8.52
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.00054 U	0.00055 J	0.00054 U	0.00054 U	0.00054 U	0.00054 UJ	0.00054 UJ	0.00054 UJ	0.00009 J	0.00007 U	0.00062 J	0.00055 J	0.0027 UJ	0.00027 J	0.00031 UJ
T	Tin	MG/L	9.3															
T	Vanadium	MG/L	0.089	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.00048 U	0.00048 U	0.0017 U	0.0134	0.00072 UJ	0.0014 U	0.0026 U
T	Zinc	MG/L	3.13	0.0168	0.0149 J	0.296 J	0.0051 J	0.0229	0.073	0.0417	0.0459	0.031	0.035	0.0246 U	0.0494 U	0.22 J	0.24	0.158
T	Sulfate	MG/L	250	61.8	39.9	39.1	34.4	31.6	32.6	241	248			40.4	40.3	20.3	22.7	21.1
D	Aluminum	MG/L	16															
D	Antimony	MG/L	0.006															
D	Arsenic	MG/L	0.01															
D	Barium	MG/L	2															
D	Beryllium	MG/L	0.004															
D	Cadmium	MG/L	0.005															
D	Calcium	MG/L	NA															
D	Chromium	MG/L	0.1															
D	Cobalt	MG/L	0.005															
D	Copper	MG/L	1.3															
D	Iron	MG/L	11															
D	Lead	MG/L	0.015															
D	Magnesium	MG/L	NA															
D	Manganese	MG/L	0.84															
D	Mercury	MG/L	0.002															
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1															
D	Potassium	MG/L	NA															
D	Selenium	MG/L	0.05															
D	Silver	MG/L	0.071															
D	Sodium	MG/L	NA															
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002															
D	Tin	MG/L	9.3															
D	Vanadium	MG/L	0.089															
D	Zinc	MG/L	3.13															

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-07/RW-8 11/20/00 RES-07-05 FS	RES-07/RW-8 12/28/00 RES-07-06 FS	RES-07/RW-8 01/22/01 RES-07-07 FS	RES-07/RW-8 03/19/01 RES-07-09 FS	RES-07/RW-8 03/19/01 RES-07-09D FD	RES-07/RW-8 04/30/01 RES-07-10 FS	RES-07/RW-8 05/23/01 RES-07-11 FS	RES-07/RW-8 09/07/01 RES-07-12 FS	RES-07/RW-8 10/24/01 RES-07-13 FS	RES-07/RW-8 11/29/01 RES-07-14 FS	RES-07/RW-8 12/27/01 RES-07-15 FS	RES-07/RW-8 12/27/01 RES-07-15D FD	RES-07/RW-8 02/05/02 RES-07-16 FS	RES-07/RW-8 06/01/02 RES-07-18 FS	RES-07/RW-8 12/04/02 EMV-RES-RES-07 FS
T	Aluminum	MG/L	16	0.019 U	0.0192 U	0.0476 U	0.0609 UJ	0.0609 UJ	0.0319 U	0.0319 U	0.0343 UJ	0.0586 UJ	0.0319 U	0.0319 U	0.0319 U	0.0319 U	0.0477 U	0.3 U
T	Antimony	MG/L	0.006	0.00056 U	0.00076 U	0.00056 U	0.00056 U	0.00056 U	0.00094 U	0.00094 U	0.00095 UJ	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00058 U	0.001 U
T	Arsenic	MG/L	0.01	0.0062 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.0037 U	0.0053 U	0.0098 UJ	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0049 UJ	0.003 U
T	Barium	MG/L	2	0.012	0.0149	0.0154	0.0148	0.0137	0.0166	0.0136	0.0186	0.016	0.016	0.0164	0.0167	0.0189	0.0152	0.02
T	Beryllium	MG/L	0.004	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.0005 U	0.0005 U
T	Cadmium	MG/L	0.005	0.0009 U	0.00091 U	0.0009 U	0.0009 U	0.0009 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00094 U	0.0005 U
T	Calcium	MG/L	NA	29.9	32.6	30.5	30.7	30.1	37.3	34.1	40.9	42.1	44.1	42.4	42.6	44.8	34.2	42
T	Chromium	MG/L	0.1	0.0066 U	0.0067 U	0.0066 U	0.0066 U	0.0066 U	0.0017 U	0.0017 U	0.0017 U	0.0056 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.002 UJ	0.1 U
T	Cobalt	MG/L	0.005	0.0071 U	0.0072 U	0.0071 U	0.0071 U	0.0071 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.1 U
T	Copper	MG/L	1.3	0.0056 UJ	0.0055	0.0154	0.0086 U	0.0089 U	0.0134 J	0.0043 J	0.0115	0.0077 J	0.0108	0.0092	0.0068	0.0061	0.0121 U	0.04 J
T	Iron	MG/L	11	0.333 J	0.853	0.674	0.795	0.765	1.01	0.645	1.25 J	0.705	0.825	0.746	0.756	0.888	1.57 J	0.52
T	Lead	MG/L	0.015	0.00092 U	0.0019 U	0.00092 U	0.00092 U	0.00092 U	0.001 J	0.00076 U	0.002 U	0.00076 U	0.0012 J	0.0029 U	0.001 UJ	0.0013 J	0.0014 J	0.0003
T	Magnesium	MG/L	NA	4.07	4.54	4.49	4.22 J	4.15 J	5.36	4.76	5.37	5.64	5.87	5.7	5.72	6.15	4.6	5.6
T	Manganese	MG/L	0.84	0.0107	0.0211	0.0155	0.0159	0.014	0.0377	0.0154	0.047 J	0.0188 J	0.0148	0.0146	0.0141	0.015	0.0268 J	0.02 J
T	Mercury	MG/L	0.002	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00006 U	0.00009 UJ	0.00011 UJ	0.00008 UJ	0.00005 UJ	0.00011 UJ	0.00011 UJ	0.0001 UJ	0.0001 UJ	0.001 U
T	Molybdenum	MG/L	0.04															0.1 U
T	Nickel	MG/L	0.1	0.0257 UJ	0.0085 U	0.0084 U	0.0084 U	0.0084 U	0.0016 U	0.0221	0.0016 U	0.0227	0.0023 U	0.0024 J	0.0023 U	0.0023 U	0.002 UJ	0.1 U
T	Potassium	MG/L	NA	3.8	4.22	3.99	4.53	4.46	4.66	4.07	4.43	5.1	4.98	4.69	4.71	5.15	4.27	4.3
T	Selenium	MG/L	0.05	0.0012 J	0.0013 U	0.00095 UJ	0.0013 U	0.00084 UJ	0.0028 UJ	0.0014 U	0.0016 UJ	0.0014 U	0.0014 U	0.0014 UJ	0.0014 U	0.0014 U	0.0012 UJ	0.008 U
T	Silver	MG/L	0.071	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0013 U	0.0028 UJ	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014 UJ	0.05 U
T	Sodium	MG/L	NA	8.19	11.1	11.5	10.5	10.3	9.57	9.72	10.1	11.2	10.3	11.2	11.1	13	9.99	14.8
T	Strontium	MG/L	9.3															
T	Thallium	MG/L	0.002	0.00023 U	R	0.00023 U	0.00081 UJ	0.00081 UJ	0.00092 UJ	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 UJ	0.00054 UJ	0.00054 UJ	0.00068 J	0.0003 U
T	Tin	MG/L	9.3															
T	Vanadium	MG/L	0.089	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0017 U	0.05 U
T	Zinc	MG/L	3.13	0.13	0.186	0.2	0.16	0.154	0.255 J	0.136	0.185	0.14 J	0.132	0.134	0.129	0.134	0.126	0.27
T	Sulfate	MG/L	250	22.7	20.4	22	20.6	21.3	21.2	20.7	21.2	22.9	24.9	24.3	24.2	23.3	26.6	
D	Aluminum	MG/L	16															
D	Antimony	MG/L	0.006															
D	Arsenic	MG/L	0.01															
D	Barium	MG/L	2															
D	Beryllium	MG/L	0.004															
D	Cadmium	MG/L	0.005															
D	Calcium	MG/L	NA															
D	Chromium	MG/L	0.1															
D	Cobalt	MG/L	0.005															
D	Copper	MG/L	1.3															
D	Iron	MG/L	11															
D	Lead	MG/L	0.015															
D	Magnesium	MG/L	NA															
D	Manganese	MG/L	0.84															
D	Mercury	MG/L	0.002															
D	Molybdenum	MG/L	0.04															
D	Nickel	MG/L	0.1															
D	Potassium	MG/L	NA															
D	Selenium	MG/L	0.05															
D	Silver	MG/L	0.071															
D	Sodium	MG/L	NA															
D	Strontium	MG/L	9.3															
D	Thallium	MG/L	0.002															
D	Tin	MG/L	9.3															
D	Vanadium	MG/L	0.089															
D	Zinc	MG/L	3.13															

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-07/RW-8 03/28/03 EMV-RES-RES-07 FS	RES-07/RW-8 08/18/11 EMRESRW-8XX FS	RES-07/RW-8 08/06/13 EMRES07XX FS	RES-08 05/19/00 RES-08-02 FS	RES-08 12/04/02 EMV-RES-RES-08 FS	RES-08 03/27/03 EMV-RES-RES-08 FS	RES-08 08/15/11 EMRES-08XX FS	RES-08 08/06/13 EMRES08FD FD	RES-08 08/06/13 EMRES08XX FS	RES-10 09/06/00 RES-10-03 FS	RES-10 10/31/00 RES-10-04 FS	RES-100 08/08/12 EMRES-100XX FS	RES-100 08/08/13 EMRES100XX FS	RES-101 08/06/13 EMRES101XX FS
T	Aluminum	MG/L	16	0.2 U	3.48	0.3 UJ	0.03 UJ	0.2 U	0.2 U	0.3 U	0.0261 J	0.0374 J	0.0221 U	0.0378 UJ	0.0212 J	0.3 U	0.0168 J
T	Antimony	MG/L	0.006	0.005 U	0.001 U	0.001 U	0.0024 UJ	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.0049 U	0.00056 U	0.00006 J	0.001 U	0.001 U
T	Arsenic	MG/L	0.01	0.01 U	0.008 U	0.008 UJ	0.0035 UJ	0.003 U	0.01 U	0.008 U	0.008 UJ	0.008 UJ	0.0075 UJ	0.005 U	0.008 U	0.008 UJ	0.008 UJ
T	Barium	MG/L	2	0.016 J	0.0206	0.0119	0.014 J	0.01	0.0096 J	0.0164	0.0114	0.0111	0.0242	0.0142	0.0141	0.0155	0.013
T	Beryllium	MG/L	0.004	0.002 U	0.00006 J	0.001 U	0.00075 UJ	0.0005 U	0.002 U	0.001 U	0.001 U	0.001 U	0.00056	0.0004 U	0.001 U	0.001 U	0.001 U
T	Cadmium	MG/L	0.005	0.003 U	0.00006 J	0.001 U	0.00033 UJ	0.0005 U	0.003 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0009 U	0.001 U	0.001 U	0.001 U
T	Calcium	MG/L	NA	31.4	26.4	25.7	50 J	42.1	38.5	51.8	44.7	44.4	53.3	49.2	46.3	46.4	16.4
T	Chromium	MG/L	0.1	0.03 U	0.0136 J	0.01 U	0.00086 UJ	0.05 U	0.03 U	0.015 U	0.01 U	0.01 U	0.0016 UJ	0.0066 U	0.00069 J	0.00062 J	0.01 U
T	Cobalt	MG/L	0.005	0.05 U	0.0025 J	0.01 UJ	0.0008 UJ	0.05 U	0.05 U	0.03 U	0.01 UJ	0.01 UJ	0.0017 U	0.0071 U	0.01 U	0.01 UJ	0.01 UJ
T	Copper	MG/L	1.3	0.08	0.0089 J	0.0077 J	0.00075 UJ	0.01 J	0.015 J	0.0106 J	0.0112 J	0.0103 J	0.0315 U	0.013	0.05	0.0174 J	0.0148 J
T	Iron	MG/L	11	0.44	4.91	0.0549 J	0.065 UJ	0.05 U	0.1 U	0.0247 J	0.1 U	0.1 U	0.0295 U	0.0396 U	0.0334 J	0.1 U	0.1 U
T	Lead	MG/L	0.015	0.003 UJ	0.005 U	0.0023 J	0.0016 UJ	0.0002 J	0.003 UJ	0.005 U	0.005 UJ	0.0019 J	0.0026 UJ	0.00092 U	0.0045 J	0.005 U	0.005 UJ
T	Magnesium	MG/L	NA	4.3	5.93	3.6	4.4 J	4.3	4.1	4.14	4.83	4.86	6.34	5.72	5.52	5.33	1.8
T	Manganese	MG/L	0.84	0.016	0.0344	0.005 U	0.001 UJ	0.03 U	0.01 U	0.005 U	0.005 U	0.005 U	0.0002 U	0.0025 U	0.005 U	0.005 U	0.005 U
T	Mercury	MG/L	0.002	0.0002 U	0.0002 U	0.00001 J	0.00006 UJ	0.001 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0001 U	0.00012 U	0.0002 U	0.0002 UJ	0.00002 J
T	Molybdenum	MG/L	0.04					0.05 U									
T	Nickel	MG/L	0.1	0.05 U	0.0064 J	0.01 U	0.001 UJ	0.05 U	0.05 U	0.04 U	0.0006 J	0.01 UJ	0.0021 U	0.0084 U	0.0052 J	0.01 U	0.0005 J
T	Potassium	MG/L	NA	4.3 J	4.26	3.9	4.7 J	4	4.5 J	5.25	4.74	4.74	4.35 J	5.06 J	4.47 J	4.42	3.06
T	Selenium	MG/L	0.05	0.0011 J	0.01 U	0.01 UJ	0.002 UJ	0.008 U	0.00069 J	0.01 U	0.01 UJ	0.01 UJ	0.0039 UJ	0.0011 UJ	0.01 U	0.01 U	0.01 UJ
T	Silver	MG/L	0.071	0.02 UJ	0.015 U	0.01 U	0.00096 UJ	0.03 U	0.02 UJ	0.015 U	0.01 U	0.01 U	0.0018 U	0.0036 U	0.01 U	0.01 U	0.01 U
T	Sodium	MG/L	NA	11.6	10.9	7.86	4.1 J	3.7	4	4.12	4.24	4.21	4.07 J	2.97	3.2	2.96	1.48
T	Strontium	MG/L	9.3														
T	Thallium	MG/L	0.002	0.002 U	0.001 U	0.001 U	0.0027 UJ	0.0003 U	0.002 U	0.001 U	0.001 U	0.001 U	0.00023 U	0.00031 UJ	0.001 U	0.001 U	0.001 U
T	Tin	MG/L	9.3		0.1 U	0.1 U				0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U
T	Vanadium	MG/L	0.089	0.02 U	0.0126 J	0.01 UJ	0.00072 UJ	0.03 U	0.02 U	0.0004 J	0.01 UJ	0.01 UJ	0.0014 U	0.0026 U	0.00061 J	0.00054 J	0.0004 J
T	Zinc	MG/L	3.13	0.29	0.134	0.0109 J	0.0064 J	0.05 U	0.0088 J	0.0181 J	0.0163 J	0.0139 J	0.024 U	0.0229 U	0.049	0.0078 J	0.0165 J
T	Sulfate	MG/L	250		15 J	16	54.3			57 J	30	30	43	46.3	37	37	7.3
D	Aluminum	MG/L	16		0.0249 J	0.3 UJ				0.3 U	0.025 J	0.033 J			0.3 U	0.3 U	0.3 UJ
D	Antimony	MG/L	0.006		0.001 U	0.001 U				0.001 U	0.001 U	0.001 U			0.00006 J	0.001 U	0.001 U
D	Arsenic	MG/L	0.01		0.008 U	0.008 UJ				0.008 U	0.008 UJ	0.008 UJ			0.008 U	0.008 UJ	0.008 UJ
D	Barium	MG/L	2		0.0121	0.0113				0.0174	0.0109	0.0118			0.0141	0.0157	0.0129
D	Beryllium	MG/L	0.004		0.001 U	0.001 U				0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U
D	Cadmium	MG/L	0.005		0.00005 J	0.001 U				0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U
D	Calcium	MG/L	NA		25.9	25.4				53.2	44.8	46			46.9	47.9	16.8
D	Chromium	MG/L	0.1		0.015 U	0.01 U				0.015 U	0.01 U	0.01 U			0.00067 J	0.00064 J	0.01 U
D	Cobalt	MG/L	0.005		0.03 U	0.0016 J				0.03 U	0.01 UJ	0.01 UJ			0.01 U	0.01 U	0.01 UJ
D	Copper	MG/L	1.3		0.001 J	0.025 U				0.0121 J	0.0073 J	0.0072 J			0.0133 J	0.0113 J	0.0155 J
D	Iron	MG/L	11		0.0438 J	0.1 U				0.1 U	0.1 U	0.1 U			0.0122 J	0.1 U	0.1 U
D	Lead	MG/L	0.015		0.005 U	0.005 UJ				0.005 U	0.005 UJ	0.005 UJ			0.005 U	0.005 U	0.005 UJ
D	Magnesium	MG/L	NA		3.53	3.54				4.26	4.86	5			5.44	5.47	1.82
D	Manganese	MG/L	0.84		0.0016 J	0.005 U				0.005 U	0.005 U	0.005 U			0.005 U	0.005 U	0.005 U
D	Mercury	MG/L	0.002		0.0002 U	0.0002 UJ				0.00014 J	0.0002 UJ	0.0002 UJ			0.0002 U	0.0002 UJ	0.0002 UJ
D	Molybdenum	MG/L	0.04														
D	Nickel	MG/L	0.1		0.04 U	0.01 U				0.04 U	0.00038 J	0.00043 J			0.00067 J	0.01 U	0.00029 J
D	Potassium	MG/L	NA		3.78	3.88				5.35	4.82	4.88			4.65	4.59	3.18
D	Selenium	MG/L	0.05		0.01 U	0.01 U				0.01 U	0.01 U	0.01 U			0.01 U	0.01 U	0.01 U
D	Silver	MG/L	0.071		0.015 U	0.01 U				0.015 U	0.01 U	0.01 U			0.01 U	0.01 U	0.01 U
D	Sodium	MG/L	NA		10.8	7.82				4.26	4.25	4.36			3.07	3.06	1.5
D	Strontium	MG/L	9.3														
D	Thallium	MG/L	0.002		0.001 U	0.001 U				0.001 U	0.001 U	0.001 U			0.001 U	0.001 U	0.001 U
D	Tin	MG/L	9.3		0.1 U	0.1 U				0.1 U	0.1 U	0.0012 J			0.1 U	0.1 U	0.1 U
D	Vanadium	MG/L	0.089		0.00049 J	0.01 UJ				0.00055 J	0.01 UJ	0.01 UJ			0.01 U	0.00041 J	0.01 UJ
D	Zinc	MG/L	3.13		0.0161 J	0.0099 J				0.022 J	0.0131 J	0.0161 J			0.01 J	0.0084 J	0.0201

Table 3: Groundwater Monitoring Data (Residential Wells)
Elizabeth Mine, South Strafford, Vermont

T/D	Analyte	Units	Screening Values	RES-11 12/06/02 EMV-RES-RES-11 FS	RES-12 12/03/02 EMV-RES-RES-12 FS	RES-15 08/15/11 EMRES-15XX FS	RES-15 08/09/12 EMRES-15XX FS	RES-15 08/07/13 EMRES15XX FS	RES-16 08/15/11 EMRES-16XX FS	RES-16 08/07/12 EMRES-16XX FS	RES-16 08/05/13 EMRES16XX FS	RES-18 08/05/13 EMRES18XX FS	RES-22 08/08/12 EMRES-22XX FS	RES-22 08/07/13 EMRES22XX FS
T	Aluminum	MG/L	16	0.2 U	0.2 U	0.3 U	0.124 J	0.0531 J	0.3 U	0.3 U	0.0493 J	0.3 UJ	0.3 U	0.362
T	Antimony	MG/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
T	Arsenic	MG/L	0.01	0.003 U	0.003 U	0.008 U	0.008 U	0.008 UJ	0.008 U	0.0016 J	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ
T	Barium	MG/L	2	0.007	0.004 J	0.005 U	0.0018 J	0.005 U	0.005 U	0.0039 J	0.0042 J	0.003 J	0.0066	0.0081
T	Beryllium	MG/L	0.004	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
T	Cadmium	MG/L	0.005	0.0005 U	0.0005 U	0.001 U	0.001 U	0.00016 J	0.00012 J	0.00003 J	0.00034 J	0.001 U	0.001 U	0.001 U
T	Calcium	MG/L	NA	25.9	26.4	29.6	29.8	31.2	24.6	25.5	23.6	9.48	22	22.5
T	Chromium	MG/L	0.1	0.05 U	0.05 U	0.015 U	0.00077 J	0.01 U	0.015 U	0.00086 J	0.01 U	0.01 U	0.01 U	0.01 U
T	Cobalt	MG/L	0.005	0.05 U	0.05 U	0.03 U	0.0025 J	0.01 UJ	0.03 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ
T	Copper	MG/L	1.3	0.01 J	0.03	0.138	0.0078 J	0.0433	0.0219 J	0.025 U	0.0185 J	0.187	0.0031 J	0.11
T	Iron	MG/L	11	0.02 J	0.05 U	0.186	0.377	0.1 U	0.0453 J	0.102	0.129	0.1 U	0.0168 J	8.31
T	Lead	MG/L	0.015	0.0003	0.0002 J	0.0121	0.0021 J	0.0026 J	0.005 U	0.005 U	0.005 UJ	0.0033 J	0.005 U	0.0093
T	Magnesium	MG/L	NA	4.8	6.1	2.63	2.61	2.8	2.94	3.07	3.03	1.34	2.51	2.82
T	Manganese	MG/L	0.84	0.03 U	0.03 U	0.0062	0.0763	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0129
T	Mercury	MG/L	0.002	0.001 U	0.001 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.00001 J	0.0002 UJ	0.0002 U	0.00001 J
T	Molybdenum	MG/L	0.04	0.05 U	0.05 U									
T	Nickel	MG/L	0.1	0.05 U	0.05 U	0.04 U	0.0098 J	0.0014 J	0.04 U	0.01 U	0.00086 J	0.01 UJ	0.01 U	0.01 U
T	Potassium	MG/L	NA	4	3.8	1.38	1.35	1.57	3.02	2.98 J	3.36	1.99	2.78 J	3.12
T	Selenium	MG/L	0.05	0.008 U	0.008 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ
T	Silver	MG/L	0.071	0.03 U	0.03 U	0.015 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
T	Sodium	MG/L	NA	3.9	4.4	5.45	5.39	5.72	1.77	1.94	2.33	1.05	4.14	3.98
T	Strontium	MG/L	9.3											
T	Thallium	MG/L	0.002	0.0003 U	0.0003 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
T	Tin	MG/L	9.3			0.0038 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0056 J	0.1 U	0.0047 J
T	Vanadium	MG/L	0.089	0.03 U	0.03 U	0.025 U	0.00046 J	0.01 UJ	0.00056 J	0.00032 J	0.01 UJ	0.01 UJ	0.00086 J	0.0018 J
T	Zinc	MG/L	3.13	0.05 U	0.05 U	0.0246 J	0.02 U	0.0089 J	0.0276	0.0148 J	0.0163 J	0.0262	0.02 U	0.416
T	Sulfate	MG/L	250			19 J	23	23	14 J	16	15	7.4	14	14
D	Aluminum	MG/L	16			0.3 U	0.3 U	0.0307 J	0.3 U	0.3 U	0.0164 J	0.0228 J	0.3 U	0.024 J
D	Antimony	MG/L	0.006			0.001 U	0.001 U	0.001 U	0.001 U	0.00006 J	0.001 U	0.001 U	0.001 U	0.001 U
D	Arsenic	MG/L	0.01			0.008 U	0.008 U	0.008 UJ	0.008 U	0.008 U	0.008 UJ	0.008 UJ	0.008 U	0.008 UJ
D	Barium	MG/L	2			0.005 U	0.005 U	0.005 U	0.005 U	0.0042 J	0.0034 J	0.0029 J	0.0065	0.0051
D	Beryllium	MG/L	0.004			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
D	Cadmium	MG/L	0.005			0.001 U	0.001 U	0.001 U	0.00009 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
D	Calcium	MG/L	NA			28.7	30.6	30.8	24.4	25.8	24.7	9.65	22.4	22.5
D	Chromium	MG/L	0.1			0.015 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
D	Cobalt	MG/L	0.005			0.03 U	0.00044 J	0.00089 J	0.03 U	0.00048 J	0.0026 J	0.01 UJ	0.00063 J	0.002 J
D	Copper	MG/L	1.3			0.0018 J	0.0024 J	0.0096 J	0.0016 J	0.025 U	0.0267	0.0386	0.0018 J	0.0075 J
D	Iron	MG/L	11			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0142 J	1.29
D	Lead	MG/L	0.015			0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.0052 J	0.0011 J	0.005 U	0.005 UJ
D	Magnesium	MG/L	NA			2.54	2.68	2.76	2.88	3.1	3.07	1.36	2.56	2.59
D	Manganese	MG/L	0.84			0.005 U	0.0324	0.005 U	0.005 U	0.0011 J	0.0054 U	0.005 U	0.0014 J	0.0124
D	Mercury	MG/L	0.002			0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 UJ
D	Molybdenum	MG/L	0.04											
D	Nickel	MG/L	0.1			0.04 U	0.0054 J	0.00077 J	0.04 U	0.01 U	0.0012 J	0.00045 J	0.01 U	0.01 U
D	Potassium	MG/L	NA			1.35	1.36	1.55	3.07	2.98	3.35	2	2.93	3.19
D	Selenium	MG/L	0.05			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
D	Silver	MG/L	0.071			0.015 U	0.01 U	0.01 U	0.015 U	0.0004 J	0.01 U	0.01 U	0.01 U	0.01 U
D	Sodium	MG/L	NA			5.35	5.55	5.6	1.78	1.94	2.22	1.1	4.29	4.02
D	Strontium	MG/L	9.3											
D	Thallium	MG/L	0.002			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
D	Tin	MG/L	9.3			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
D	Vanadium	MG/L	0.089			0.025 U	0.01 U	0.01 UJ	0.00071 J	0.01 U	0.01 UJ	0.01 UJ	0.00028 J	0.01 UJ
D	Zinc	MG/L	3.13			0.0126 J	0.02 U	0.0058 J	0.0226 J	0.02 U	0.0139 J	0.0135 J	0.02 U	0.208

Notes:
T/D = total / dissolved fraction
FS = field sample
FD = field duplicate
J = estimated value
R = rejected result
U/UJ = not detected above listed value
mg/L = milligrams per liter
NA = not available

Screening value is cleanup level given in Record of Decision if available, if not, then screening level is USEPA drinking water maximum contaminant level (MCL) or, if MCL is not available, USEPA Regional Screening Level for tap water.

AMEC SURFACE WATER MONITORING DATA

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
SM01	11/09/09		1600		20 U		20 U		20 U		8 U		10 U		26000		20 U		24
SM01	12/08/09	1700	1900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	25000	22 U	20 U	26	25
SM01	04/06/10	1800	2000	110 U	100 U	220 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	24000	25000	67 U	30 U	34 U	30 U
SM01	06/07/10	670 U	890	340 U	200 U	1100 U	4000 U	100 U	60 U	34 U	20 U	100 U	60 U	21000	22000	100 U	60 U	100 U	60 U
SM01	08/17/10	270	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	24000	24000	22 U	20 U	22 U	20 U
SM01	09/08/10		1100		20 U		20 U		20 U		8 U		10 U		23000		20 U		20 U
SM01	10/05/10	720	1700	22 U	20 U	22 U	40 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	34000	22 U	20 U	41	39
SM01	11/03/10		1300		20 U		20 U		20 U		8 U		10 U		23000		20 U		22
SM01	12/07/10	1800	2300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	29000	22 U	20 U	32	35
SM01	05/10/11	2600	2700	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	30000	30000	22 U	20 U	39	37
SM01	08/16/11	2200	2600	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10	47000	47000	22 U	20 U	85	82
SM01	09/06/11	460	960	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	20000	19000	22 U	20 U	22 U	20 U
SM01	10/03/11	120 U	230	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	13000	9800	22 U	20 U	22 U	20 U
SM01	12/12/11	790	2000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	20000	28000	22 U	20 U	22 U	29
SM01	01/17/12	560	1200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	29000	22 U	20 U	22 U	23
SM01	02/14/12	120 U	540	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	33000	22 U	20 U	22 U	20 U
SM01	03/06/12	120 U	460	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	44000	22 U	20 U	22 U	20 U
SM01	04/10/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	48000	48000	22 U	20 U	35	36
SM01	06/04/12	250 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	39000	22 U	20 U	98	97
SM01	08/13/12	120 U	110 U	22 U	20 U	22 U	20 U	25	25	9 U	8 U	11 U	11	64000	66000	22 U	20 U	110	110
SM01	10/09/12	120 U	340	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	43000	44000	22 U	20 U	94	91
SM01	12/03/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	39000	22 U	20 U	63	62
SM01	02/12/13	120 U	770	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	27000	27000	22 U	20 U	38	40
SM01	03/25/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	26000	22 U	20 U	27	28
SM01	06/10/13	120 U	160	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	33000	22 U	20 U	39	39
SM01	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	40000	22 U	20 U	37	37
SM01	10/22/13	120 U	580	67 U	60 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	36000	22 U	20 U	22 U	20 U
SM01	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	36000	32000	22 U	20 U	22 U	20 U
SM01	12/02/13	120 U	910	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	24000	23000	22 U	20 U	30	29
SMD	12/12/11	2100	2300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	26000	26000	22 U	20 U	25	26
SMD	01/17/12	2300	2500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	27000	22 U	20 U	29	30
SMD	02/14/12	120 U	420	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	50000	51000	22 U	20 U	41	39
SMD	06/04/12	250 U	350	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	15	15	33000	33000	22 U	20 U	100	96
SMD	08/13/12	120 U	770	22 U	20 U	22 U	20 U	33	35	9 U	8 U	14	15	73000	79000	22 U	20 U	120	130
SMD	10/09/12	120 U	650	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	37000	22 U	20 U	48	64
SMD	12/03/12	560	240	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	22000	19000	22 U	20 U	22 U	20 U
SMD	02/12/13	120 U	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	21000	17000	22 U	20 U	27	20 U
SMD	03/25/13	120 U	290	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	24000	24000	22 U	20 U	30	30
SMD	06/10/13	960	1000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	38000	33000	22 U	20 U	110	84
SMD	08/12/13	210	1100	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	56000	55000	22 U	20 U	110	110
SMD	12/02/13	120 U	180	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	15000	15000	22 U	20 U	22 U	20 U
SME	12/12/11	710	930	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	23000	24000	22 U	20 U	22 U	20 U
SMC	12/12/11	440	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	14000	16000	22 U	20 U	22 U	20 U
SMB	12/13/11	4600	4700	22 U	20 U	22 U	20 U	25	24	9 U	8 U	11 U	10 U	38000	38000	22 U	20 U	48	45
SMA	12/12/11	5300	5200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	51000	50000	22 U	20 U	54	53
SC04	06/10/08		270		20 U		20 U		20 U		8 U		10 U		26000		20 U		20 U
SC04	11/09/09		110 U		20 U		20 U		20 U		8 U		10 U		19000		20 U		20 U
SC04	12/08/09	120 U	160	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	16000	16000	22 U	20 U	22 U	20 U
SC04	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	51000	51000	22 U	20 U	22 U	20 U
SC04	10/22/13	120 U	110 U	67 U	60 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	51000	52000	22 U	20 U	22 U	20 U
SC04	10/29/13	120 U	160	22 U	20 U	22 U	20 U	23	22	9 U	8 U	11 U	10 U	53000	55000	22 U	20 U	22 U	20 U
SC04	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	53000	53000	22 U	20 U	22 U	20 U
SC04	12/02/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	39000	37000	22 U	20 U	22 U	20 U
SC03	06/10/08		4400		20 U		20 U		21		8 U		10 U		55000		20 U		63
SC03	08/29/11	1200	1300	0.46 U	0.47 J B	0.29 U	0.29 U	15 ^	13 ^	0.072 J	0.092 J	1.1 ^	1.1	31000 B	28000	2.1	1.5 J	30 ^	29 ^ B
SC03	01/17/12	1100	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	39000	40000	22 U	20 U	29	30
SC03	02/14/12	1400	1900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	52000	52000	22 U	20 U	46	46
SC03	03/06/12	120 U	3400	22 U	20 U	22 U	20 U	22 U	28	9 U	8 U	11 U	10 U	74000	72000	22 U	20 U	33	34
SC03	04/10/12	120 U	850	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	58000	60000	22 U	20 U	23	24

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
SM01	11/09/09		950		170		20 U		3900		590						20 U		2300
SM01	12/08/09	990	1000	96	160	22 U	20 U	3600	3600	540	540					22 U	20 U		
SM01	04/06/10	1100	1200	140	140	220 U	100 U	3400	3600	510	530					67 U	60 U		
SM01	06/07/10	540	570	340 U	200 U	670 U	400 U	2700	2700	320	330					200 U	240 U	17000 U	10000 U
SM01	08/17/10	590	610	500	630	45 U	40 U	3500	3500	440	430					22 U	20 U	1100 U	1000 U
SM01	09/08/10		440		1100		40 U		3300		340						20 U		2200
SM01	10/05/10	910	900	160	270	22 U	20 U	4700	4500	730	700					22 U	22	2600	2500
SM01	11/03/10		750		130		40 U		3200		430						20 U		1900
SM01	12/07/10	970	1100	100	160	22 U	20 U	3700	4200	530	630					22 U	21	1900	1900
SM01	05/10/11	1500	1500	230	250	22 U	20 U	4200	4200	680	670					25	24	2000	1900
SM01	08/16/11	1200	1200	190	240	22 U	20 U	6600	6500	1300	1300					40	39	2500	2500
SM01	09/06/11	800	720	73	140	22 U	20 U	2700	2600	390	350					22 U	20 U	1700	1900
SM01	10/03/11	220	20 U	45 U	360	22 U	20 U	1700	1300	160	40					22 U	20 U	1600	1600
SM01	12/12/11	510	1000	61	280	22 U	20 U	2500	3400	310	590					22 U	20 U	1700	1800
SM01	01/17/12	400	570	45 U	130	22 U	20 U	3500	3900	390	510					22 U	20 U	1900	2100
SM01	02/14/12	38	110	140	1200	22 U	20 U	4000	4000	680	700					22 U	20 U	2200	2200
SM01	03/06/12	33	100	420	1700	22 U	20 U	4300	5300	560	830					22 U	20 U	2300	2700
SM01	04/10/12	52	69	240	390 B,J2	22 U	20 U	6000	6300	1100	1100					22 U	21	2600	2600
SM01	06/04/12	160	300	150	470	22 U	20 U	6600	6500	1600	1600					54	54	2500	2500
SM01	08/13/12	190	470	400	1400	22 U	20 U	13000	13000	2400	2500					78	79	4200	3900
SM01	10/09/12	300	500	350	1200	22 U	20 U	10000	10000	1500	1500					63	62	2700	2600
SM01	12/03/12	260	330	770	1000	22 U	20 U	8000	7800	1200	1200					46	45	2400	2400
SM01	02/12/13	290	400	1100	2100	22 U	20 U	4400	4500	700	730					26	28	1100 U	1000 U
SM01	03/25/13	130	150	560	730	22 U	20 U	4300	4400	570	610					22 U	20	1100 U	1000 U
SM01	06/10/13	210	230	230	330	22 U	40 U	6400	6300	570	550					31	30	1100 U	1000 U
SM01	08/12/13	170	270	57	360	22 U	20 U	7500	7600	700	710					38	39	1100 U	1000 U
SM01	10/22/13	110	450	85	1400	22 U	20 U	6600	7300	370	420					25	29	1100 U	1000 U
SM01	10/29/13	99	120	55	340	22 U	20 U	7200	5600	310	230					26	20 U	1100 U	1000 U
SM01	12/02/13	320	380	88	1200	22 U	20 U	5400	5400	370	410					32	31	1100 U	1000 U
SMD	12/12/11	820	1000	910	1100	22 U	20 U	3600	3800	480	490					22 U	20 U	2300	2300
SMD	01/17/12	780	1100	1100	1100	22 U	20 U	3600	3800	460	490					22 U	20 U	2100	2300
SMD	02/14/12	22 U	20 U	15000	16000	22 U	20 U	5800	6100	1100	1100					22 U	20 U	3600	3700
SMD	06/04/12	1100	1500	1900	3500	22 U	20 U	4000	3900	1400	1300					41	40	2700	2700
SMD	08/13/12	1300	1900	11000	18000	22 U	20 U	9000	9300	2800	2900					54	56	5100	5000
SMD	10/09/12	500	940	2500	5600	22 U	20 U	4000	5000	930	1300					22 U	25	2600	2700
SMD	12/03/12	530	370	2500	1200	22 U	20 U	2700	2400	360	280					22 U	20 U	2000	1700
SMD	02/12/13	290	220	6000	4500	22 U	20 U	2800	2400	610	410					22 U	20 U	1100 U	1000 U
SMD	03/25/13	170	240	6900	7100	22 U	20 U	3300	3200	720	690					22 U	20 U	1100 U	1000 U
SMD	06/10/13	1900	1500	3600	3100	22 U	40 U	5500	4700	1500	1100					43	33	1100 U	1000 U
SMD	08/12/13	750	850	11000	13000	22 U	20 U	8000	8300	2200	2200					45	45	1100 U	1000 U
SMD	12/02/13	250	520	72	410	22 U	20 U	2100	2100	52	68					22 U	20 U	1100 U	1000 U
SME	12/12/11	530	540	320	520	22 U	20 U	3300	3300	430	430					22 U	20 U	2100	2100
SMC	12/12/11	160	510	140	190 B	22 U	20 U	2100	2200	100	170					22 U	20 U	1700	1700
SMB	12/13/11	1700	1800	2400	3000	22 U	20 U	5800	5700	900	890					25	24	3600	3500
SMA	12/12/11	760	780	1500	1900	22 U	20 U	8000	7900	1300	1300					29	28	3900	3700
SC04	06/10/08		280		40 U		20 U		4700		130						21		2500
SC04	11/09/09		62		40 U		20 U		3200		78						20 U		2000
SC04	12/08/09	87	98	45 U	40 U	22 U	20 U	2600	2600	92	87					22 U	20 U		
SC04	08/12/13	49	54	310	330	22 U	20 U	7400	7600	400	410					22 U	20 U	1100 U	1000 U
SC04	10/22/13	50	55	66	100	22 U	20 U	7800	8200	460	470					22 U	20 U	1100 U	1000 U
SC04	10/29/13	58	62	49	300	22 U	20 U	8000	8000	530	580					22 U	20 U	1100 U	1000 U
SC04	10/29/13	63	55	110	64	22 U	20 U	8000	8000	530	540					22 U	20 U	1100 U	1000 U
SC04	12/02/13	100	110	49	87	22 U	20 U	6400	6100	260	250					22 U	20 U	1100 U	1000 U
SC03	06/10/08		1300		74		20 U		11000		530						66		4500
SC03	08/29/11	810 ^	780 ^	480	620 ^ B	0.38 J	0.16 J ^	6400	5600	300 ^ B	280 ^			1.6 U	1.6 U	28	27 ^	4500	4100
SC03	01/17/12	530	560	65	89	22 U	20 U	7300	7400	380	390					29	31	4500	4700
SC03	02/14/12	630	670	110	1400	22 U	20 U	8700	8700	680	690					38	38	5800	5800
SC03	03/06/12	320	520	47	2600	22 U	20 U	9900	11000	430	490					35	40	4800	5300
SC03	04/10/12	290	420	45 U	210 B,J2	22 U	20 U	9100	9600	290	300					27	29	5200	5500

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T MG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
SM01	11/09/09		20 U		10 U		1800			86		20 U		20 U		650
SM01	12/08/09	22 U	20 U	11 U	10 U					94	22 U	20 U	11 U	10 U	740	720
SM01	04/06/10	220 U	200 U	34 U	30 U						220 U	200 U	34 U	30 U	720	750
SM01	06/07/10	670 U	400 U	100 U	60 U	17000 U	10000 U			61	670 U	800 U	100 U	60 U	420	410
SM01	08/17/10	22 U	20 U	11 U	10 U	1100 U	1000 U			81	22 U	20 U	11 U	10 U	470	450
SM01	09/08/10		20 U		10 U		1800			70		20 U		10 U		310
SM01	10/05/10	22 U	40 U	11 U	10 U	1900	1800			120	22 U	20 U	11 U	10 U	940	910
SM01	11/03/10		20 U		10 U		1600			70		20 U		10 U		560
SM01	12/07/10	22 U	20 U	11 U	10 U	1600	1800			95	45 U	40 U	11 U	10 U	780	870
SM01	05/10/11	22 U	20 U	11 U	10 U	1500	1500			120	22 U	20 U	22 U	20 U	990	960
SM01	08/16/11	45 U	20 U	11 U	10 U	1900	1800			160	22 U	40 U	56 U	50 U	2200	2100
SM01	09/06/11	22 U	20 U	11 U	10 U	1300	1500			45	22 U	20 U	22 U	20 U	590	500
SM01	10/03/11	22 U	20 U	11 U	10 U	1200	1100			10	22 U	20 U	56 U	50 U	190	22
SM01	12/12/11	22 U	20 U	11 U	10 U	1300	1600			100	22 U	20 U	22 U	20 U	400	720
SM01	01/17/12	45 U	40 U	11 U	10 U	2400	2800			100	22 U	20 U	22 U	20 U	410	560
SM01	02/14/12	22 U	20 U	11 U	10 U	1600	1700			80	22 U	20 U	22 U	20 U	220	230
SM01	03/06/12	22 U	20 U	11 U	10 U	1500	1700			140	22 U	20 U	22 U	20 U	280	430
SM01	04/10/12	45 U	40 U	11 U	10 U	1600	1600			120	22 U	20 U	22 U	20 U	1100	1100
SM01	06/04/12	22 U	20 U	11 U	10 U	1300	1400			130	22 U	20 U	22 U	20 U	1400	1400
SM01	08/13/12	45 U	40 U	11 U	10 U	2200	2200			230	22 U	20 U	22 U	20 U	1700	1700
SM01	10/09/12	22 U	40 U	11 U	10 U	1600	1700			120	22 U	40 U	22 U	20 U	1000	1000
SM01	12/03/12	22 U	20 U	11 U	10 U	1400	1300			116.22	22 U	20 U	22 U	20 U	850	850
SM01	02/12/13	22 U	20 U	11 U	10 U	1100 U	1000 U			81	22 U	20 U	22 U	20 U	570	600
SM01	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			65	22 U	20 U	22 U	20 U	440	460
SM01	06/10/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	760	750
SM01	08/12/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	970	980
SM01	10/22/13	45 U	40 U	11 U	10 U	1100 U	1000 U			90	22 U	20 U	22 U	20 U	570	650
SM01	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	710	390
SM01	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			65	22 U	20 U	22 U	20 U	550	550
SMD	12/12/11	22 U	20 U	11 U	10 U	1800	1900			130	22 U	20 U	22 U	20 U	600	640
SMD	01/17/12	45 U	40 U	11 U	10 U	1800	1900			140	22 U	20 U	22 U	20 U	600	670
SMD	02/14/12	22 U	20 U	11 U	10 U	2000	2000			120	22 U	20 U	22 U	20 U	970	990
SMD	06/04/12	22 U	20 U	11 U	10 U	1300	1200			140	22 U	20 U	22 U	20 U	2400	2300
SMD	08/13/12	45 U	40 U	11 U	10 U	2000	2100			300	22 U	20 U	22 U	20 U	3700	3700
SMD	10/09/12	22 U	40 U	11 U	10 U	1400	1400			130	22 U	40 U	22 U	20 U	990	1200
SMD	12/03/12	22 U	20 U	11 U	10 U	1100 U	900			45	22 U	20 U	22 U	20 U	490	360
SMD	02/12/13	22 U	20 U	11 U	10 U	1100 U	1000 U			65	22 U	20 U	22 U	20 U	580	360
SMD	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			81	22 U	20 U	22 U	20 U	530	560
SMD	06/10/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	2300	1800
SMD	08/12/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	2200	2200
SMD	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			29	22 U	20 U	22 U	20 U	300	450
SME	12/12/11	22 U	20 U	11 U	10 U	1800	1700			98	22 U	20 U	22 U	20 U	450	450
SMC	12/12/11	22 U	20 U	11 U	10 U	1200	1300			80	22 U	20 U	22 U	20 U	260	430
SMB	12/13/11	22 U	20 U	11 U	10 U	3000	3000			200	22 U	20 U	22 U	20 U	1200	1100
SMA	12/12/11	22 U	20 U	11 U	10 U	3200	3300			260	22 U	20 U	22 U	20 U	1000	990
SC04	06/10/08		20 U		10 U		1600					20 U		10 U		170
SC04	11/09/09		20 U		10 U		1400			53		20 U		20 U		81
SC04	12/08/09	22 U	20 U	11 U	10 U					48	22 U	20 U	11 U	10 U	94	89
SC04	08/12/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	53	57
SC04	10/22/13	45 U	40 U	11 U	10 U	1100 U	1000 U			160	22 U	20 U	22 U	20 U	66	68
SC04	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	67	60
SC04	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	63	58
SC04	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			110	22 U	20 U	22 U	20 U	150	150
SC03	06/10/08		20 U		10 U		2200					20 U		10 U		360
SC03	08/29/11	0.51 U	0.66 J	0.11 ^ U	0.11 ^ U	1400 B	1300	53 ^ B	49 ^	120	0.1 U	0.1 U	2.1 J	0.3 U	210 ^	180 ^
SC03	01/17/12	45 U	40 U	11 U	10 U	1800	1800			180	22 U	20 U	22 U	20 U	170	180
SC03	02/14/12	22 U	20 U	11 U	10 U	2000	2000			170	22 U	20 U	22 U	20 U	220	210
SC03	03/06/12	22 U	20 U	11 U	10 U	2200	2400			280	22 U	20 U	22 U	20 U	150	160
SC03	04/10/12	45 U	40 U	11 U	10 U	1900	2200			190	22 U	20 U	22 U	20 U	130	140

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
SC03	06/04/12	250 U	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	44000	44000	22 U	20 U	36	36
SC03	08/13/12	120 U	770	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	66000	67000	22 U	20 U	34	34
SC03	10/09/12	120 U	1400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	48000	50000	22 U	20 U	27	27
SC03	12/03/12	120 U	1000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	48000	48000	22 U	20 U	30	27
SC03	02/12/13	120 U	660	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	43000	44000	22 U	20 U	22 U	20 U
SC03	03/25/13	120 U	770	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	41000	22 U	20 U	22 U	20 U
SC03	06/10/13	240	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	58000	61000	22 U	20 U	29	30
SC03	08/12/13	110 U	760	20 U	20 U	20 U	20 U	20 U	20 U	8 U	8 U	10 U	10 U	61000	62000	20 U	20 U	28	28
SC03	10/22/13	120 U	610	67 U	60 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	83000	81000	22 U	20 U	45	44
SC03	12/02/13	120 U	550	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	38000	36000	22 U	20 U	22 U	20
SC02	06/10/08		2200		20 U		20 U		20 U		8 U		10 U		56000		20 U		50
SC02	04/06/10	220 U	200 U	110 U	100 U	220 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	6200	16000	67 U	30 U	34 U	30 U
SC02	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	22000	21000	34 U	30 U	34 U	30 U
SC02	08/17/10	110 U	110 U	20 U	20 U	20 U	20 U	20 U	20 U	8 U	8 U	10 U	10 U	27000	27000	20 U	20 U	20 U	20 U
SC02	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	21000	21000	22 U	20 U	22 U	20 U
SC02	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	14000	15000	22 U	20 U	22 U	20 U
SC02	04/05/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	15000	16000	22 U	20 U	22 U	20 U
SC02	06/07/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	16000	16000	22 U	20 U	22 U	20 U
SC02	08/16/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	29000	30000	22 U	20 U	22 U	20 U
SC02	09/06/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	17000	19000	22 U	20 U	22 U	20 U
SC02	10/03/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	15000	15000	22 U	20 U	22 U	20 U
SC02	12/12/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	16000	16000	22 U	20 U	22 U	20 U
SC02	01/17/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	17000	17000	22 U	20 U	22 U	20 U
SC02	02/14/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	20000	20000	22 U	20 U	22 U	20 U
SC02	03/06/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	23000	23000	22 U	20 U	22 U	20 U
SC02	04/10/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	20000	21000	22 U	20 U	22 U	20 U
SC02	06/04/12	250 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	18000	18000	22 U	20 U	22 U	20 U
SC02	08/14/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	26000	22 U	20 U	22 U	20 U
SC02	10/09/12	120 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	21000	22000	22 U	20 U	22 U	20 U
SC02	12/03/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	22000	22000	22 U	20 U	22 U	20 U
SC02	02/12/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	18000	19000	22 U	20 U	22 U	20 U
SC02	03/25/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	17000	17000	22 U	20 U	22 U	20 U
SC02	06/11/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	18000	19000	22 U	20 U	22 U	20 U
SC02	08/13/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	22000	23000	22 U	20 U	22 U	20 U
SC02	10/22/13	120 U	110 U	67 U	60 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	26000	22 U	20 U	22 U	20 U
SC02	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	25000	25000	22 U	20 U	22 U	20 U
SC02	12/02/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	17000	16000	22 U	20 U	22 U	20 U
SC01	04/10/07	1570	1590	60 U	60 U	10 U	10 U	5.9	5.7	5 UJ	5 UJ	0.71	0.72	27700	27900	10 U	10 U	29.7	29.8
SC01	06/10/08		1300		20 U		20 U		20 U		8 U		10 U		51000		20 U		37
SC01	07/22/08																		
SC01	10/07/08																		
SC01	11/19/08		3200		50 U		100 U		100 U		40 U		50 U		35000		100 U		100 U
SC01	12/15/08																		
SC01	04/09/09	1300	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	18000	18000	22 U	20 U	22 U	21
SC01	05/12/09		1500		20 U		20 U		20 U		8 U		10 U		52000		20 U		31
SC01	07/27/09	1600	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	46000	45000	22 U	20 U	33	31
SC01	08/11/09		1600		20 U		20 U		20 U		8 U		10 U		41000		20 U		26
SC01	09/08/09		1600		20 U		20 U		20 U		8 U		10 U		53000		20 U		23
SC01	10/15/09																		
SC01	11/09/09		2200		20 U		20 U		20 U		8 U		10 U		47000		20 U		30
SC01	12/08/09	1500	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	24000	24000	22 U	20 U	22 U	20 U
SC01	04/06/10	1150 J	1290	60 U	60 U	10 U	10 U	8.6 J	7.2 J	5 U	5 U	0.92 J	5 U	41400	40000	10 U	10 U	24.9 J	23.9 J
SC01	06/07/10	940	990	340 U	200 U	1100 U	4000 U	100 U	60 U	34 U	20 U	100 U	60 U	50000	50000	100 U	60 U	100 U	60 U
SC01	08/17/10	2900	2900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	57000	57000	22 U	20 U	35	34
SC01	09/08/10		9300		20 U		20 U		28		8 U		10 U		92000		20 U		110
SC01	10/05/10	5300	5000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	62000	57000	22 U	20 U	76	69
SC01	11/03/10		1900		20 U		20 U		20 U		8 U		10 U		36000		20 U		33
SC01	12/07/10	1000	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	23000	24000	22 U	20 U	22 U	22
SC01	05/10/11	900	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	34000	35000	22 U	20 U	26	25

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
	Cleanup Level	11.8	11.8	1000	1000	3.18	3.18									158	158		
SC03	06/04/12	480	630	190	640	22 U	20 U	7500	7400	390	400					30	30	4600	4800
SC03	08/13/12	170	390	200	1500	22 U	20 U	12000	11000	580	550					34	33	8200	7800
SC03	10/09/12	400	510	1000	1700	22 U	20 U	9100	9500	370	370					28	28	6400	6300
SC03	12/03/12	420	490	510	740	22 U	20 U	8600	8500	340	340					28	28	5200	5000
SC03	02/12/13	350	380	310	540	22 U	20 U	6900	6800	250	250					23	23	1100 U	1000 U
SC03	03/25/13	340	400	180	300	22 U	20 U	6200	6300	220	220					22 U	20 U	1100 U	1000 U
SC03	06/10/13	220	450	220	1100	22 U	40 U	9200	9400	360	350					30	29	1100 U	1000 U
SC03	08/12/13	110	350	40 U	1500	20 U	20 U	9700	9800	390	400					30	31	1000 U	1000 U
SC03	10/22/13	260	390	80	620	22 U	20 U	13000	13000	710	720					41	40	1100 U	1000 U
SC03	12/02/13	290	310	300	440	22 U	20 U	6800	6600	300	310					22 U	20 U	1100 U	1000 U
SC02	06/10/08		1300		190		20 U		9700		470						52		6800
SC02	04/06/10	34 U	66	110 U	100 U	220 U	100 U	900	2500	45 U	40					67 U	60 U		
SC02	06/08/10	34 U	54	110 U	100 U	1100 U	200 U	3200	3100	22 U	40 U					67 U	120 U	5600 U	5000 U
SC02	08/17/10	20 U	23	40 U	40 U	40 U	40 U	3800	3900	20 U	20 U					20 U	20 U	2400	2400
SC02	10/05/10	33	38	45 U	40 U	22 U	20 U	3000	3100	45	44					22 U	20 U	2200	2300
SC02	12/07/10	54	60	45 U	40 U	22 U	20 U	2200	2300	55	57					22 U	20 U	1600	1600
SC02	04/05/11	32	42	45 U	40 U	22 U	20 U	2200	2300	40	42					22 U	20 U	1600	1500
SC02	06/07/11	22 U	23	45 U	40 U	22 U	20 U	2300	2200	22 U	20 U					22 U	20 U	1900	1900
SC02	08/16/11	40	38	45 U	40 U	22 U	20 U	4500	4400	71	68					22 U	20 U	3100	3100
SC02	09/06/11	36	46	45	40 U	22 U	20 U	2600	2800	65	69					22 U	20 U	2000	2300
SC02	10/03/11	47	53	45 U	40 U	22 U	20 U	2200	2300	67	67					22 U	20 U	2000	2100
SC02	12/12/11	45 U	40 U	45 U	40 U	22 U	20 U	2300	2300	31	28					22 U	20 U	1700	1600
SC02	01/17/12	22 U	20 U	45 U	40 U	22 U	20 U	2500	2500	22 U	20 U					22 U	20 U	1500	1700
SC02	02/14/12	22 U	20 U	45 U	40 U	22 U	20 U	2700	2800	22 U	20 U					22 U	20 U	1600	1600
SC02	03/06/12	22 U	20 U	45 U	40 U	22 U	20 U	3200	3100	22 U	20 U					22 U	20 U	1700	1600
SC02	04/10/12	22 U	20 U	45 U	40 U	22 U	20 U	2800	2900	22 U	20 U					22 U	20 U	1600	1700
SC02	06/04/12	22 U	20 U	45 U	40 U	22 U	20 U	2600	2600	22 U	20 U					22 U	20 U	1700	1700
SC02	08/14/12	22 U	20 U	45 U	40 U	22 U	20 U	3600	3700	22 U	20 U					22 U	20 U	2500	2500
SC02	10/09/12	22 U	20 U	45 U	40 U	22 U	20 U	3500	3600	22 U	20 U					22 U	20 U	2200	2200
SC02	12/03/12	22 U	20 U	45 U	40 U	22 U	20 U	3500	3400	22 U	20 U					22 U	20 U	2000	1900
SC02	02/12/13	22 U	20 U	45 U	40 U	22 U	20 U	2700	2700	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	03/25/13	22 U	20 U	45 U	40 U	22 U	20 U	2500	2600	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	06/11/13	22 U	21	45 U	41	22 U	40 U	2800	2800	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	08/13/13	22 U	20 U	45 U	40 U	22 U	20 U	3300	3300	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	10/22/13	22 U	20 U	45 U	40 U	22 U	20 U	3900	4100	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	10/29/13	22 U	20 U	45 U	40 U	22 U	20 U	3700	3900	22 U	20 U					22 U	20 U	1100 U	1000 U
SC02	12/02/13	22 U	20 U	45 U	40 U	22 U	20 U	2800	2700	22 U	20 U					22 U	20 U	1100 U	1000 U
SC01	04/10/07	750	755	216	279	10 UJ	10 U	5020	4980	221	222	0.2 U	0.2 U			27.6	27.5	3110	3210
SC01	06/10/08		870		2200		20 U		9200		370						41		6900
SC01	07/22/08																		
SC01	10/07/08																		
SC01	11/19/08		970		1700		100 U		8700		310						100 U		4300
SC01	12/15/08																		
SC01	04/09/09	760	750	650	720	22 U	20 U	4000	3900	140	130					22 U	20	2500	2600
SC01	05/12/09		720		650		20 U		9300		320						37		6700
SC01	07/27/09	650	640	1300	1300	22 U	20 U	9500	9300	330	320					36	35	6300	6100
SC01	08/11/09		630		1600		20 U		8000		270						32		6200
SC01	09/08/09		480		2100		20 U		9400		310						31		7600
SC01	10/15/09																		
SC01	11/09/09		800		1000		20 U		9900		320						34		6700
SC01	12/08/09	590	580	570	870	22 U	20 U	5400	5300	170	160					22 U	21		
SC01	04/06/10	722 J	660	470	762	10 U	10 U	7560 J	7380	221	200					28.3 J	27.7 J	5290	5110
SC01	06/07/10	390	400	1300	1300	670 U	400 U	8300	8100	260	260					200 U	240 U	17000 U	10000 U
SC01	08/17/10	690	700	7000	14000	45 U	40 U	13000	13000	510	500					39	39	9300	9200
SC01	09/08/10		1700		29000		40 U		24000		1400						120		12000
SC01	10/05/10	1600	1600	4600	4400	22 U	20 U	16000	14000	570	530					60	56	8200	7500
SC01	11/03/10		910		1500		40 U		8400		240						32		5300
SC01	12/07/10	630	660	590	950	22 U	20 U	5200	5500	150	160					22 U	22	3500	3500
SC01	05/10/11	630	660	680	840	22 U	20 U	6400	6500	200	200					28	28	4600	4700

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T MG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
SC03	06/04/12	22 U	20 U	11 U	10 U	1900	1900			170	22 U	20 U	22 U	20 U	170	170
SC03	08/13/12	45 U	40 U	11 U	10 U	2700	2700			240	22 U	20 U	22 U	20 U	160	160
SC03	10/09/12	22 U	40 U	11 U	10 U	2200	2100			170	22 U	40 U	22 U	20 U	170	170
SC03	12/03/12	22 U	20 U	11 U	10 U	1900	1900			166	22 U	20 U	22 U	20 U	170	170
SC03	02/12/13	22 U	20 U	11 U	10 U	1100 U	1000 U			150	22 U	20 U	22 U	20 U	120	120
SC03	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			130	22 U	20 U	22 U	20 U	110	110
SC03	06/10/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	150	180
SC03	08/12/13	40 U	40 U	10 U	10 U	1000 U	1000 U				20 U	20 U	20 U	20 U	140	150
SC03	10/22/13	45 U	40 U	11 U	10 U	1100 U	1000 U			270	22 U	20 U	22 U	20 U	310	310
SC03	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			120	22 U	20 U	22 U	20 U	180	180
SC02	06/10/08		20 U		10 U		2100					20 U		10 U		320
SC02	04/06/10	220 U	200 U	34 U	30 U						220 U	200 U	34 U	30 U	67 U	88
SC02	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			57	220 U	400 U	34 U	30 U	170 U	62
SC02	08/17/10	20 U	40 U	10 U	10 U	1800	1800			79	20 U	20 U	10 U	10 U	43	46
SC02	10/05/10	22 U	20 U	11 U	10 U	1400	1500			66	22 U	20 U	11 U	10 U	60	64
SC02	12/07/10	22 U	20 U	11 U	10 U	1100 U	1100			410	45 U	40 U	11 U	10 U	76	80
SC02	04/05/11	22 U	20 U	11 U	10 U	1100 U	1000			44	22 U	20 U	22 U	20 U	110	59
SC02	06/07/11	22 U	40 U	11 U	10 U	1300	1300			54	22 U	20 U	56 U	50 U	45	43
SC02	08/16/11	45 U	20 U	11 U	10 U	1700	1700			94	22 U	40 U	56 U	50 U	74	72
SC02	09/06/11	22 U	20 U	11 U	10 U	1200	1300			50	22 U	20 U	22 U	20 U	60	60
SC02	10/03/11	22 U	20 U	11 U	10 U	1200	1200			48	22 U	20 U	56 U	50 U	55	56
SC02	12/12/11	22 U	20 U	11 U	10 U	1100 U	1100			60	22 U	20 U	22 U	20 U	59	58
SC02	01/17/12	45 U	40 U	11 U	10 U	1200	1200			60	22 U	20 U	22 U	20 U	45	47
SC02	02/14/12	22 U	20 U	11 U	10 U	1200	1200			46	22 U	20 U	22 U	20 U	41	42
SC02	03/06/12	22 U	20 U	11 U	10 U	1200	1300			73	22 U	20 U	22 U	20 U	36	35 B
SC02	04/10/12	45 U	40 U	11 U	10 U	1100 U	1200			46	22 U	20 U	22 U	20 U	34	36
SC02	06/04/12	22 U	20 U	11 U	10 U	1200	1200			50	22 U	20 U	22 U	20 U	37	38
SC02	08/14/12	45 U	40 U	11 U	10 U	1600	1700			68	22 U	20 U	22 U	20 U	22 U	24
SC02	10/09/12	22 U	40 U	11 U	10 U	1300	1300			63	22 U	40 U	22 U	20 U	35	38
SC02	12/03/12	22 U	20 U	11 U	10 U	1300	1200			58.62	22 U	20 U	22 U	20 U	35	39
SC02	02/12/13	22 U	20 U	11 U	10 U	1100 U	1000 U			55	22 U	20 U	22 U	20 U	50	51
SC02	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			38	22 U	20 U	22 U	20 U	33	34
SC02	06/11/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	35	46
SC02	08/13/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	25
SC02	10/22/13	45 U	40 U	11 U	10 U	1100 U	1000 U			66	22 U	20 U	22 U	20 U	22 U	24
SC02	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	24	23
SC02	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			40	22 U	20 U	22 U	20 U	31	36
SC01	04/10/07	35 U	35 UJ	10 U	10 U	1290 U	1370 U			120	25 U	25 U	50 U	50 U	166	168
SC01	06/10/08		20 U		10 U		1800					20 U		10 U		250
SC01	07/22/08									470						
SC01	10/07/08									540						
SC01	11/19/08		200 U		50 U		2500 U			160		100 U		50 U		320
SC01	12/15/08									230						
SC01	04/09/09	22 U	20 U	11 U	10 U	1100 U	1000 U			85	22 U	20 U	11 U	10 U	150	150
SC01	05/12/09		20 U		10 U		1800			220 J		20 U		10 U		240
SC01	07/27/09	22 U	20 U	11 U	10 U	1700	1700			180	22 U	20 U	11 U	10 U	260	250
SC01	08/11/09		20 U		10 U		1800			210		20 U		10 U		200
SC01	09/08/09		20 U		10 U		1900			220		20 U		10 U		180
SC01	10/15/09									320						
SC01	11/09/09		20 U		10 U		1800			180		20 U		20 U		240
SC01	12/08/09	22 U	20 U	11 U	10 U					98	22 U	20 U	11 U	10 U	160	150
SC01	04/06/10	35 U	35 U	10 U	10 U	1450 J	1400 J				25 U	25 U	50 U	50 U	188	183
SC01	06/07/10	670 U	400 U	100 U	60 U	17000 U	10000 U			170	670 U	800 U	100 U	60 U	180	170
SC01	08/17/10	22 U	20 U	11 U	10 U	2600	2600			280	22 U	20 U	11 U	10 U	220	220
SC01	09/08/10		20 U		10 U		6100			480		20 U		10 U		550
SC01	10/05/10	22 U	20 U	11 U	10 U	3000	2800			290	22 U	20 U	11 U	10 U	460	420
SC01	11/03/10		20 U		10 U		1800			240		20 U		10 U		260
SC01	12/07/10	22 U	20 U	11 U	10 U	1300	1400			92	45 U	40 U	11 U	10 U	160	160
SC01	05/10/11	22 U	20 U	11 U	10 U	1400	1400			140	22 U	20 U	22 U	20 U	170	170

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
SC01	08/16/11	4300	4600	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	52000	54000	22 U	20 U	74	74
SC01	09/06/11	1100	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	39000	22 U	20 U	30	29
SC01	10/03/11	980	1400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	37000	22 U	20 U	22 U	23
SC01	12/12/11	370	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	28000	27000	22 U	20 U	22 U	20 U
SC01	01/17/12	590	1400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	32000	22 U	20 U	22 U	20 U
SC01	02/14/12	420	570	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	27000	27000	22 U	20 U	22 U	20 U
SC01	03/06/12	240	1900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	31000	22 U	20 U	22 U	20 U
SC01	04/10/12	120 U	740	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	43000	45000	22 U	20 U	22 U	20 U
SC01	06/04/12	310	1200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	32000	32000	22 U	20 U	24	23
SC01	08/13/12	1300	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	46000	50000	22 U	20 U	24	26
SC01	10/09/12	980	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	39000	22 U	20 U	22 U	20 U
SC01	12/03/12	1200	2900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	33000	22 U	20 U	22 U	20 U
SC01	03/25/13	240	790	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	24000	25000	22 U	20 U	22 U	20 U
SC01	06/10/13	120 U	720	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	41000	43000	22 U	20 U	22 U	20 U
SC West	12/02/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	13000	14000	22 U	20 U	22 U	20 U
LB01	04/08/08	15.2 J	454	60 U	60 U	10 U	10 U	5.1 J	6.3 J	5 U	5 U	5 U	5 U	5170	5260	10 U	10 U	1.2 J	1.3 J
LB01	06/10/08		110 U		20 U		20 U		20 U		8 U		10 U		8800		20 U		20 U
LB01	07/22/08																		
LB01	10/07/08																		
LB01	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		6300		60 U		60 U
LB01	12/15/08																		
LB01	03/17/09		110 U		20 U		20 U		20 U		8 U		10 U		6400		20 U		20 U
LB01	04/09/09	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	4700	4900	22 U	20 U	22 U	20 U
LB01	05/12/09		330 U		60 U		60 U		60 U		24 U		30 U		7000		60 U		60 U
LB01	06/09/09		110 U		20 U		20 U		20 U		8 U		10 U		7400		20 U		20 U
LB01	07/27/09	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7900	8000	22 U	20 U	22 U	20 U
LB01	08/11/09		110 U		20 U		20 U		20 U		8 U		10 U		7900		20 U		20 U
LB01	09/08/09		110 U		20 U		20 U		20 U		8 U		10 U		9700		20 U		20 U
LB01	10/15/09																		
LB01	11/09/09		110 U		20 U		20 U		20 U		8 U		10 U		7800		20 U		20 U
LB01	12/07/09	200 U	32.6 J	60 U	60 U	10 U	10 U	5.7 J	5.1 J	5 U	5 U	5 U	5 U	6230	6100	10 U	10 U	1.2 J	0.29 J
LB01	04/06/10	220 U	200 U	110 U	100 U	220 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	16000	6400	67 U	30 U	34 U	30 U
LB01	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	9400	9500	34 U	30 U	34 U	30 U
LB01	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	10000	11000	22 U	20 U	22 U	20 U
LB01	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7400	7200	22 U	20 U	22 U	20 U
LB01	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	5700	6000	22 U	20 U	22 U	20 U
LB01	04/05/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6600	6600	22 U	20 U	22 U	20 U
LB01	06/07/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7400	7600	22 U	20 U	22 U	20 U
LB01	08/16/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	9600	9900	22 U	20 U	22 U	20 U
LB01	09/06/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6900	7600	22 U	20 U	22 U	20 U
LB01	10/03/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6000	6300	22 U	20 U	22 U	20 U
LB01	12/12/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6300	6400	22 U	20 U	22 U	20 U
LB01	01/17/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7400	7300	22 U	20 U	22 U	20 U
LB01	02/14/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7800	8200	22 U	20 U	22 U	20 U
LB01	03/06/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	9200	9200	22 U	20 U	22 U	20 U
LB01	04/10/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7200	7600	22 U	20 U	22 U	20 U
LB01	06/04/12	250 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6900	7000	22 U	20 U	22 U	20 U
LB01	08/14/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	10000	11000	22 U	20 U	22 U	20 U
LB01	10/09/12	120 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7800	8200	22 U	20 U	22 U	20 U
LB01	12/03/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	8100	8000	22 U	20 U	22 U	20 U
LB01	02/12/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7400	7300	22 U	20 U	22 U	20 U
LB01	03/25/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	7000	7000	22 U	20 U	22 U	20 U
LB01	06/11/13	120 U	260	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6500	7000	22 U	20 U	22 U	20 U
LB01	08/13/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	9700	10000	22 U	20 U	22 U	20 U
LB01	10/22/13	120 U	110 U	67 U	60 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	9700	9900	22 U	20 U	22 U	20 U
LB01	12/02/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6900	6800	22 U	20 U	22 U	20 U
LB39B	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	9400	9000	22 U	20 U	22 U	20 U
LB39A	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	6800	6500	22 U	20 U	22 U	20 U

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
SC01	08/16/11	2000	2000	4000	4800	22 U	20 U	15000	15000	470	470					59	59	6900	7000
SC01	09/06/11	720	770	1000	1500	22 U	20 U	8000	8600	230	250					29	30	5200	5800
SC01	10/03/11	550	590	740	1300	22 U	20 U	7200	7600	220	240					24	25	5200	5500
SC01	12/12/11	410	470	540	800	22 U	20 U	5800	5700	170	170					22 U	20 U	4000	3900
SC01	01/17/12	390	400	720	990	22 U	20 U	6400	6500	190	190					22 U	20 U	4500	4500
SC01	02/14/12	360	370	290	500	22 U	20 U	5700	5600	160	160					22 U	20 U	4100	4000
SC01	03/06/12	320	400	310	3700	22 U	20 U	6000	6000	170	170					22 U	20 U	4300	4400
SC01	04/10/12	310	370	190	330 B,J2	22 U	20 U	7500	7900	180	190					22 U	22	5400	5700
SC01	06/04/12	460	490	510	840	22 U	20 U	6400	6400	180	180					23	22	4400	4400
SC01	08/13/12	400	450	3900	4600	22 U	20 U	9800	11000	290	320					26	29	7900	8300
SC01	10/09/12	400	440	1500	2200	22 U	20 U	8200	8600	210	220					22 U	21	6000	6200
SC01	12/03/12	520	590	840	5500	22 U	20 U	7500	7900	210	230					22 U	20	5300	5100
SC01	03/25/13	350	370	300	530	22 U	20 U	4900	4900	120	120					22 U	20 U	1100 U	1000 U
SC01	06/10/13	280	320	580	830	22 U	40 U	7800	7800	180	170					22 U	21	1100 U	1000 U
SC West	12/02/13	22 U	20 U	45 U	40 U	22 U	20 U	1900	1900	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	04/08/08	26.1	53.2	21.2	235	10 U	10 U	847	908	13.2	29.7	0.2 U	0.2 U			2.5	2.3	817	826
LB01	06/10/08		20 U		40 U		20 U		1300		20 U						20 U		1400
LB01	07/22/08																		
LB01	10/07/08																		
LB01	11/19/08		120 U		120 U		60 U		1000		60 U						60 U		1500 U
LB01	12/15/08																		
LB01	03/17/09		20 U		52		20 U		970		20 U						20 U		1000 U
LB01	04/09/09	22 U	24	45 U	40 U	22 U	20 U	790	800	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	05/12/09		60 U		120 U		60 U		1000		60 U						60 U		3000 U
LB01	06/09/09		20 U		78		20 U		1100		20 U						20 U		1000
LB01	07/27/09	22 U	20 U	45 U	66	22 U	20 U	1200	1200	22 U	20 U					22 U	20 U	1100	1200
LB01	08/11/09		40 U		62		20 U		1100		20 U						20 U		1200
LB01	09/08/09		20 U		40 U		20 U		1300		20 U						20 U		1400
LB01	10/15/09																		
LB01	11/09/09		20 U		40 U		20 U		1200		20 U						20 U		1200
LB01	12/07/09	13.6 J	14.5 J	100 U	100 U	10 U	10 U	928 J	940 J	16	15.1					40 U	40 U	955 J	943 J
LB01	04/06/10	60	30 U	110 U	100 U	220 U	100 U	2400	940	45 U	40 U					67 U	60 U		
LB01	06/08/10	34 U	30 U	110 U	100 U	1100 U	200 U	1200	1200	22 U	40 U					67 U	120 U	5600 U	5000 U
LB01	08/17/10	22 U	20 U	45 U	41	22 U	20 U	1400	1400	22 U	20 U					22 U	20 U	1500	1400
LB01	10/05/10	22 U	20 U	45 U	40 U	22 U	20 U	1100	1100	22 U	20 U					22 U	20 U	1400	1300
LB01	12/07/10	22 U	20 U	45 U	40 U	22 U	20 U	880	920	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	04/05/11	22 U	20 U	45 U	60	22 U	20 U	980	980	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	06/07/11	22 U	20 U	45 U	40 U	22 U	20 U	1000	1000	22 U	20 U					22 U	20 U	1200	1200
LB01	08/16/11	22 U	20 U	140	160	22 U	20 U	1400	1400	22 U	20					22 U	20 U	1500	1500
LB01	09/06/11	22 U	20 U	76	65	22 U	20 U	950	1100	22 U	20 U					22 U	20 U	1100 U	1300
LB01	10/03/11	22 U	20 U	45 U	67	22 U	20 U	900	930	22 U	20 U					22 U	20 U	1200	1300
LB01	12/12/11	45 U	40 U	45 U	40 U	22 U	20 U	950	960	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	01/17/12	22 U	20 U	45 U	40 U	22 U	20 U	1100	1100	22 U	20 U					22 U	20 U	1100 U	1000
LB01	02/14/12	22 U	20 U	45 U	40 U	22 U	20 U	1100	1100	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	03/06/12	22 U	20 U	45 U	40 U	22 U	20 U	1300	1300	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	04/10/12	22 U	20 U	45 U	40 U	22 U	20 U	1000	1100	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	06/04/12	22 U	20 U	45 U	72	22 U	20 U	990	1000	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	08/14/12	22 U	20 U	45 U	40 U	22 U	20 U	1400	1400	22 U	20 U					22 U	20 U	1600	1500
LB01	10/09/12	22 U	20 U	45 U	40 U	22 U	20 U	1200	1300	22 U	20 U					22 U	20 U	1300	1200
LB01	12/03/12	22 U	20 U	45 U	40 U	22 U	20 U	1200	1200	22 U	20 U					22 U	20 U	1100	980
LB01	02/12/13	22 U	20 U	45 U	40 U	22 U	20 U	1000	1100	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	03/25/13	22 U	20 U	45 U	40 U	22 U	20 U	1100	1100	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	06/11/13	22 U	20 U	45 U	220	22 U	20 U	980	1000	22 U	22					22 U	20 U	1100 U	1000 U
LB01	08/13/13	22 U	20 U	45 U	84	22 U	20 U	1300	1400	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	10/22/13	22 U	20 U	45 U	40 U	22 U	20 U	1300	1500	22 U	20 U					22 U	20 U	1100 U	1000 U
LB01	12/02/13	22 U	20 U	45 U	40 U	22 U	20 U	1100	1100	22 U	20 U					22 U	20 U	1100 U	1000 U
LB39B	10/29/13	22 U	20 U	45 U	40 U	22 U	20 U	1300	1300	22 U	20 U					22 U	20 U	1100 U	1000 U
LB39A	10/29/13	22 U	20 U	45 U	40 U	22 U	20 U	940	940	22 U	20 U					22 U	20 U	1100 U	1000 U

Table 4: Lord Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T MG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
SC01	08/16/11	45 U	20 U	11 U	10 U	2400	2200			260	22 U	40 U	56 U	50 U	600	590
SC01	09/06/11	22 U	20 U	11 U	10 U	1500	1800			160	22 U	20 U	22 U	20 U	230	230
SC01	10/03/11	22 U	20 U	11 U	10 U	1600	1700			130	22 U	20 U	56 U	50 U	180	180
SC01	12/12/11	22 U	20 U	11 U	10 U	1500	1400			140	22 U	20 U	22 U	20 U	130	120
SC01	01/17/12	45 U	40 U	11 U	10 U	1600	1600			150	22 U	20 U	22 U	20 U	120	120
SC01	02/14/12	22 U	20 U	11 U	10 U	1300	1300			100	22 U	20 U	22 U	20 U	110	98
SC01	03/06/12	22 U	20 U	11 U	10 U	1200	1300			140	22 U	20 U	22 U	20 U	99	100 B
SC01	04/10/12	45 U	40 U	11 U	10 U	1500	1600			130	22 U	20 U	22 U	20 U	120	120
SC01	06/04/12	22 U	20 U	11 U	10 U	1500	1400			140	22 U	20 U	22 U	20 U	160	150
SC01	08/13/12	45 U	40 U	11 U	10 U	2100	2200			220	22 U	20 U	22 U	20 U	160	170
SC01	10/09/12	22 U	40 U	11 U	10 U	1800	1800			190	22 U	40 U	22 U	20 U	160	160
SC01	12/03/12	22 U	20 U	11 U	10 U	1600	1600			120.56	22 U	20 U	22 U	20 U	170	170
SC01	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			94	22 U	20 U	22 U	20 U	100	98
SC01	06/10/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	140	150
SC West	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			20	22 U	20 U	22 U	20 U	22 U	20 U
LB01	04/08/08	35 U	35 U	10 UJ	10 UJ	793 U	920			16	25 U	25 U	50 U	50 U	20.1	21.1
LB01	06/10/08		20 U		10 U		1300					20 U		10 U		20 U
LB01	07/22/08									17						
LB01	10/07/08									16						
LB01	11/19/08		120 U		30 U		1500 U			11		60 U		30 U		60 U
LB01	12/15/08									10						
LB01	03/17/09		20 U		10 U		1000 U			13		20 U		10 U		21
LB01	04/09/09	22 U	20 U	11 U	10 U	1100 U	1000 U			10	22 U	20 U	11 U	10 U	22 U	20 U
LB01	05/12/09		60 U		30 U		3000 U			12		60 U		30 U		60 U
LB01	06/09/09		20 U		10 U		1100			13		20 U		10 U		20 U
LB01	07/27/09	22 U	20 U	11 U	10 U	1200	1200			14	22 U	20 U	11 U	10 U	22 U	20 U
LB01	08/11/09		20 U		10 U		1300			13		20 U		10 U		20 U
LB01	09/08/09		20 U		10 U		1400			14		20 U		10 U		20 U
LB01	10/15/09									12						
LB01	11/09/09		20 U		10 U		1200			13		20 U		20 U		20 U
LB01	12/07/09	35 U	35 U	10 U	10 U	925 J	922 J			12	25 U	25 U	5.5 J	3.1 J	17.4 J	15.6 J
LB01	04/06/10	220 U	200 U	34 U	30 U						220 U	200 U	34 U	30 U	86	30 U
LB01	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			14	220 U	400 U	34 U	30 U	170 U	30 U
LB01	08/17/10	45 U	40 U	11 U	10 U	1400	1400			18	22 U	20 U	11 U	10 U	22 U	20 U
LB01	10/05/10	22 U	20 U	11 U	10 U	1100	1100			20	22 U	20 U	11 U	10 U	22 U	20 U
LB01	12/07/10	22 U	20 U	11 U	10 U	1100 U	1000 U			11	45 U	40 U	11 U	10 U	22 U	20 U
LB01	04/05/11	22 U	20 U	11 U	10 U	1100 U	1000 U			14	22 U	20 U	22 U	20 U	22 U	20 U
LB01	06/07/11	22 U	40 U	11 U	10 U	1200	1200			12 J1	22 U	20 U	56 U	50 U	22 U	20 U
LB01	08/16/11	45 U	20 U	11 U	10 U	1200	1100			21	22 U	40 U	56 U	50 U	22 U	20 U
LB01	09/06/11	22 U	20 U	11 U	10 U	1100 U	1100			17	22 U	20 U	22 U	20 U	22 U	20 U
LB01	10/03/11	22 U	20 U	11 U	10 U	1100 U	1100 U			9.6	22 U	20 U	56 U	50 U	22 U	20 U
LB01	12/12/11	22 U	20 U	11 U	10 U	1100 U	1000 U			30	22 U	20 U	22 U	20 U	22 U	20 U
LB01	01/17/12	45 U	40 U	11 U	10 U	1100 U	1100			24	22 U	20 U	22 U	20 U	22 U	20 U
LB01	02/14/12	22 U	20 U	11 U	10 U	1100 U	1000			13	22 U	20 U	22 U	20 U	22 U	20 U
LB01	03/06/12	22 U	20 U	11 U	10 U	1100 U	1000			22	22 U	20 U	22 U	20 U	22 U	20 U
LB01	04/10/12	45 U	40 U	11 U	10 U	1100 U	1000 U			10	22 U	20 U	22 U	20 U	22 U	20 U
LB01	06/04/12	22 U	20 U	11 U	10 U	1100 U	1000			12	22 U	20 U	22 U	20 U	22 U	20 U
LB01	08/14/12	45 U	40 U	11 U	10 U	1300	1400			15	22 U	20 U	22 U	20 U	22 U	20 U
LB01	10/09/12	22 U	40 U	11 U	10 U	1100	1100			13	22 U	40 U	22 U	20 U	22 U	20 U
LB01	12/03/12	22 U	20 U	11 U	10 U	1100 U	1000			13.64	22 U	20 U	22 U	20 U	22 U	20 U
LB01	02/12/13	22 U	20 U	11 U	10 U	1100 U	1000 U			12	22 U	20 U	22 U	20 U	22 U	20 U
LB01	03/25/13	45 U	40 U	11 U	10 U	1100 U	1000 U			11	22 U	20 U	22 U	20 U	22 U	20 U
LB01	06/11/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
LB01	08/13/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
LB01	10/22/13	45 U	40 U	11 U	10 U	1100 U	1000 U			13	22 U	20 U	22 U	20 U	22 U	20 U
LB01	12/02/13	45 U	40 U	11 U	10 U	1100 U	1000 U			11	22 U	20 U	22 U	20 U	22 U	20 U
LB39B	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
LB39A	10/29/13	45 U	40 U	11 U	20 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U

Notes:

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
	Cleanup Level																	
SM01	11/09/09							0.02 U		0.03 U	0.03 U	5.78	5.33			221.1	9.4	
SM01	12/08/09											11.82	5.24			214.7	3.6	
SM01	04/06/10											8.86	5.13			213.4	7.4	
SM01	04/07/10				312.2	19.81						10.38	4.52			209	6.92	
SM01	06/07/10							0.02 U		0.03 U	0.03 U	5.2	5.89			163	11.5	
SM01	06/08/10				326.5							8.87	5.19			222	9.96	
SM01	08/17/10							0.02 U		0.03 U	0.03 U	5.89	6.04			198.9	16.4	
SM01	08/19/10				275.7							5.39	5.01			238	15.63	
SM01	09/08/10							0.02 U		0.03 U	0.03 U	5.82	5.94			187.9	16.3	
SM01	10/05/10							0.02 U		0.03 U	0.03 U	7.46	5.4			266.5	12.4	
SM01	10/07/10				244.6							9.28	5.41			246	11.04	
SM01	11/03/10							0.02 U		0.03 U	0.03 U	6.67	5.9			183.9	7.1	
SM01	12/07/10				-231	3.02		0.02 U		0.03 U	0.03 U	11.45	5.37			280	3.4	
SM01	05/10/11	0.5 U		0.5 U			0.5 U	0.1 U	0.5 U	0.1 U	0.5 U			0.03 U				
SM01	08/16/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	09/06/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	10/03/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	01/10/12												5.54		0.213		2.74	0.49
SM01	01/10/12												5.59		0.212		2.9	0.54
SM01	01/11/12												5.59		0.213		1.91	0.25
SM01	01/11/12												5.66		0.203		2.57	0.44
SM01	01/12/12												5.67		0.201		1.84	0.49
SM01	01/12/12												5.54		0.21		0.06	0.91
SM01	01/13/12												5.77		0.208		1.99	0.23
SM01	01/13/12												5.57		0.212		2.09	0.62
SM01	01/16/12												4.95		0.222		1.11	1.8
SM01	01/16/12												5.5		0.207		1.18	0.35
SM01	01/17/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	01/17/12												5.7		0.212		1.84	0.23
SM01	01/17/12												5.96		0.212		1.89	0.43
SM01	01/18/12												5.47		0.209		1.25	0.31
SM01	01/18/12												5.6		0.204		1.53	0.37
SM01	01/19/12												5.8		0.203		0.38	0.44
SM01	01/19/12												5.73		0.208		1.13	0.42
SM01	01/20/12												5.82		0.208		1.04	0.41
SM01	01/20/12												5.82		0.21		1.47	0.42
SM01	01/23/12												6		0.193		1.4	0.26
SM01	01/23/12												5.27		0.401		0.48	160
SM01	01/24/12												5.85		0.214		2.38	0.56
SM01	01/24/12												4.94		0.411		0.49	27.8
SM01	01/25/12												6.23		0.215		1.81	1.21
SM01	01/25/12												6.13		0.216		2.71	1.59
SM01	01/26/12												5.62		0.215		1.04	1.11
SM01	01/26/12												5.73		0.192		2.56	0.98
SM01	01/30/12												5.94		0.207		1.65	1.8
SM01	01/30/12												6.06		0.214		2.65	1.1
SM01	01/31/12												6.37		0.189		1.34	1.02
SM01	01/31/12												6.32		0.203		2.1	1.49
SM01	02/01/12												6.13		0.235		1.48	5.23
SM01	02/01/12												5.5		0.363		0.93	30.3
SM01	02/02/12												6		0.331		0.64	310
SM01	02/02/12												5.78		0.357		1.38	13.4
SM01	02/03/12												5.82		0.557		0.12	2.09
SM01	02/06/12												5.89		0.442		0.17	40.8
SM01	02/06/12												5.94		0.425		1.92	378
SM01	02/07/12												5.83		0.368		1.7	48.5

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SM01	02/08/12												6.27		0.156		-0.07	16.1
SM01	02/08/12												6.29		0.39		1.94	33.2
SM01	02/09/12												6.18		0.273		0.13	7.34
SM01	02/09/12												6.44		0.356		1.88	50.9
SM01	02/10/12												6.37		0.216		0.85	4.6
SM01	02/10/12												6.43		0.395		2.65	19.1
SM01	02/13/12												6.95		0.257		-0.03	3.85
SM01	02/13/12												6.72		0.337		0.06	25.7
SM01	02/14/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SM01	02/14/12												6.22		0.185		0.54	11.8
SM01	02/14/12												6.34		0.249		0.63	36.6
SM01	02/17/12												7.58		0.344		0.86	23.3
SM01	02/21/12												6.06		0.278		-0.02	7.11
SM01	02/22/12												6.67		0.31		2.67	125
SM01	02/24/12												6.96		0.289		0.87	7.03
SM01	02/27/12												6.68		0.285		0.27	4.19
SM01	03/06/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SM01	03/28/12												6.88		0.282		2.57	
SM01	04/03/12												6.68		0.282		8.12	
SM01	04/10/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	04/12/12												7.07		0.329		5.87	
SM01	04/19/12												7.15		0.397		10.42	
SM01	04/30/12												6.09		0.233		11.48	
SM01	05/07/12												6.47		0.243		14.86	
SM01	05/17/12												6.88		0.156		13.95	
SM01	05/25/12												6.32		0.328		16.73	
SM01	05/31/12												6.31		0.347		17.8	
SM01	06/04/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	06/07/12												6.46		0.283		12.91	
SM01	06/13/12												6.62		0.299		18.63	
SM01	06/19/12												6.46		0.384		17.54	
SM01	06/28/12												6.11		0.386		15.26	
SM01	07/03/12												6.74		0.345		17.08	
SM01	07/10/12												6.18		0.399		16.18	
SM01	07/18/12												6.07		0.412		22.29	
SM01	07/25/12												6.07		0.431		18.84	
SM01	07/30/12												5.7		0.486		19.4	
SM01	08/13/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U							
SM01	08/15/12												6.05		0.38		20.23	
SM01	08/29/12												5.95		0.44		15	
SM01	09/06/12												5.64		0.485		19.13	
SM01	09/19/12												5.29		0.57		17.39	
SM01	10/09/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	12/03/12	10 U		10 U			10 U	5 U	10 U	5 U	10 U			0.01 U				
SM01	02/12/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	03/25/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SM01	10/22/13	1 U		1 U			1 U	0.5 U	1 U	0.5 U	1 U			0.01 U				
SM01	10/29/13																	
SM01	10/29/13																	
SM01	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	01/10/12												4.8		0.133		0.89	2.15
SMD	01/10/12												4.35		0.261		0.87	1.84
SMD	01/11/12												4.73		0.226		0.62	2.71
SMD	01/11/12												4.55		0.222		0.74	3.11
SMD	01/12/12												4.38		0.122		0.46	2.21
SMD	01/12/12												4.2		0.266		0.31	2.01

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SMD	01/13/12												4.31		0.245		0.47	1.73
SMD	01/13/12												4.07		0.272		0.63	2.05
SMD	01/16/12												4.11		0.265		0.3	2.6
SMD	01/16/12												3.76		0.268		0.34	2.35
SMD	01/17/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	01/17/12												4.33		0.244		0.52	2.31
SMD	01/17/12												3.82		0.312		0.44	2.64
SMD	01/18/12												3.87		0.25		0.36	2.41
SMD	01/18/12												4.09		0.237		0.31	3.08
SMD	01/19/12												4.02		0.263		-0.07	1.97
SMD	01/19/12												4.01		0.257		1.21	3.42
SMD	01/20/12												4.22		0.283		0.35	7.21
SMD	01/20/12												4.2		0.25		0.33	8.86
SMD	01/23/12												4.47		0.2		0.18	5.27
SMD	01/23/12												4.11		0.403		3.47	
SMD	01/24/12												5.44		0.277		1.19	8.28
SMD	01/24/12												4.13		0.448		1.12	
SMD	01/25/12												5.01		0.376		1.52	
SMD	01/25/12												5.17		0.278		2.01	
SMD	01/26/12												4.29		0.285		3.61	2.05
SMD	01/26/12												4.42		0.337		2.74	1.39
SMD	01/30/12												4.73		0.167		0.05	
SMD	01/30/12												5.58		0.16		0.05	
SMD	01/31/12												5.85		0.147		-0.07	
SMD	01/31/12												6.09		0.225		-0.04	
SMD	02/01/12												5.97		0.208		0.13	
SMD	02/01/12												5.29		0.35		1.27	
SMD	02/02/12												5.52		0.315		1.47	
SMD	02/02/12												5.09		0.431		3.41	
SMD	02/03/12												5.1		0.726		1.83	2.43
SMD	02/06/12												5.17		0.494		0.92	
SMD	02/06/12												6.21		0.495		2.48	
SMD	02/07/12												6.04		0.419		0.91	
SMD	02/08/12												6.42		0.085		-0.08	
SMD	02/08/12												5.93		0.241		2.45	
SMD	02/09/12												5.49		0.528		3.48	
SMD	02/09/12												6.11		0.322		2.64	
SMD	02/10/12												6.33		0.433		-0.05	
SMD	02/10/12												5.9		0.454		4.96	
SMD	02/13/12												6.28		0.437		0.93	
SMD	02/13/12												6.53		0.388		4.17	
SMD	02/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	02/14/12												5.74		0.417		3.23	
SMD	02/14/12												6.1		0.406		2.66	
SMD	03/28/12												6.43		0.314		4.98	
SMD	04/03/12												6.47		0.335		13.31	
SMD	04/12/12												6.11		0.49		8	
SMD	04/19/12												6.61		0.382		13.65	
SMD	04/30/12												5.7		0.255		12.88	
SMD	05/07/12												5.94		0.369		17.92	
SMD	05/17/12												6.25		0.244		21.4	
SMD	05/25/12												5.99		0.551		16.53	
SMD	05/31/12												5.94		0.361		24.25	
SMD	06/04/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	06/07/12												5.98		0.389		14.31	
SMD	06/13/12												6.33		0.239		18.78	
SMD	06/19/12												6.05		0.395		25.74	

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SMD	06/28/12												5.75		0.493		16.93	
SMD	07/03/12												5.7		0.445		20.94	
SMD	07/10/12												5.81		0.425		21	
SMD	07/18/12												5.67		0.534		26.3	
SMD	07/25/12												5.77		0.477		23.33	
SMD	07/30/12												5.84		0.623		24.17	
SMD	08/13/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U							
SMD	08/15/12												5.84		0.516		22.76	
SMD	08/29/12												5.73		0.616		15.79	
SMD	09/06/12												5.31		0.631		21.03	
SMD	09/19/12												6		0.668		20.16	
SMD	10/09/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	12/03/12	10 U		10 U			10 U	5 U	10 U	5 U	10 U			0.01 U				
SMD	02/12/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMD	03/25/13	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SMD	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMA	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMB	12/13/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMC	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SME	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SMF	01/17/12												5.95		0.045		1.73	1.19
SMF	01/18/12												5.47		0.047		1.19	1.47
SMF	01/18/12												6.08		0.048		0.08	2.04
SMF	01/19/12												6.17		0.048		0.09	
SMF	01/19/12												6.2		0.05		1	
SMF	01/20/12												7.19		0.58		1.28	
SMF	01/20/12												6.38		0.045		0.76	
SMF	01/23/12												6.2		0.129		-0.07	
SMF	01/24/12												6.24		0.048		0.59	
SMF	01/24/12												6.57		0.114		1.96	
SMF	01/25/12												7.38		0.1		1.03	
SMF	01/25/12												6.94		0.065		1.97	
SMF	01/26/12												5.96		0.1		0.48	
SMF	01/26/12												6.08		0.082		1.55	
SMF	01/30/12												6.8		0.152		2.62	
SMF	01/30/12												6.54		0.145		2.04	
SMF	01/31/12												7.04		0.074		0.38	
SMF	01/31/12												6.48		0.068		2.14	
SMF	02/01/12												6.85		0.073		0.97	
SMF	02/01/12												6.1		0.071		0.92	
SMF	02/02/12												6.67		0.09		3.41	
SMF	02/02/12												6.18		0.079		3.2	
SMF	02/03/12												6.14		0.112		-0.04	
SMF	02/06/12												6.58		0.069		0.01	
SMF	02/06/12												6.17		0.074		0.73	
SMF	02/07/12												5.9		0.074		2.49	
SMF	02/08/12												6.15		0.069		0.8	
SMF	02/08/12												6.08		0.081		0.98	
SMF	02/09/12												6.14		0.103		1.9	
SMF	02/09/12												6.67		0.068		0.1	
SMF	02/10/12												6.3		0.067		0.03	
SMF	02/10/12												6.23		0.075		0.48	
SMF	03/28/12												6.34		0.064		2.73	
SMF	04/03/12												6.91		0.067		13.19	
SMF	04/12/12												6.54		0.085		7.63	
SMF	04/19/12												6.92		0.125		14.33	
SMF	04/30/12												5.93		0.092		13.39	

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SMF	05/07/12												6.27		0.055		11.55	
SMF	05/17/12												6.86		0.082		15.69	
SMF	05/25/12												6.32		0.156		13.95	
SMF	05/31/12												6.09		0.109		14.29	
SMF	06/07/12												6.37		0.099		11.28	
SMF	06/13/12												6.57		0.088		17.55	
SMF	06/19/12												6.48		0.149		18.88	
SMF	06/28/12												6.29		0.13		15.3	
SC04	11/09/09							0.02 U		0.03 U	0.03 U	7.31	6.33			149.1	9.3	
SC04	12/08/09		7.5									12.95	5.84			137.6	2.2	
SC04	10/22/13	1 U		1 U			1 U	0.5 U	1 U	0.5 U	1 U			0.01 U				
SC04	10/29/13																	
SC04	10/29/13																	
SC04	12/02/13	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC01	04/10/07											12.48	4.78			275.2	2.8	
SC01	07/22/08											2.64	3.63			544	23.7	
SC01	10/07/08											6.44	3.59			798	8.5	
SC01	11/19/08							0.02 U		0.03 U	0.03 U	9.32	4.02			207.4	0.9	
SC01	12/15/08											10.86	4.2			274.8	3.3	
SC01	04/09/09							0.02 U		0.03 U	0.03 U	9.08	4.49			199.8	8.3	
SC01	05/12/09							0.02 U		0.03 U	0.03 U	5.42	4.07			425.5	16.2	
SC01	07/27/09							0.02 U		0.03 U	0.03 U	6.27	4.07			439.3	23.4	
SC01	08/11/09											4.63	4.02			425.8	26.5	
SC01	09/08/09											3.76	4.17			455	21	
SC01	10/15/09											8.37	3.63			643	5.5	
SC01	11/09/09							0.02 U		0.03 U	0.03 U	5.42	4.12			425.9	9.5	
SC01	12/08/09											8.29	4.71			233.3	2.1	
SC01	04/06/10											8.05	5.11			314.4	10	
SC01	04/07/10				343.6	4.8						5.97	3.54			346	10.08	
SC01	06/07/10							0.02 U		0.03 U	0.03 U	4.38	4.35			390	17.7	
SC01	06/08/10				346.6							5.43	3.84			331	12.67	
SC01	08/17/10							0.02 U		0.03 U	0.03 U	5.18	3.6			638	21.4	
SC01	09/08/10							0.02 U		0.03 U	0.03 U	4.06	3.41			1019	17.2	
SC01	10/05/10							0.02 U		0.03 U	0.03 U	7.02	3.8			625	15	
SC01	10/07/10				412.6							3.25	4.16			182	9.91	
SC01	11/03/10							0.02 U		0.03 U	0.03 U	6.83	4.99			313.9	7	
SC01	12/07/10				-270	5.74		0.02 U		0.03 U	0.03 U	11.51	5.48			324	1.9	
SC01	05/10/11	0.5 U		0.5 U			0.5 U	0.1 U	0.5 U	0.1 U	0.5 U			0.03 U				
SC01	08/16/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	09/06/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	10/03/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	01/17/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	02/13/12												5.16		0.223		-0.01	2.95
SC01	02/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	02/14/12												6.4		0.205		-0.08	5.99
SC01	02/14/12												5.73		0.219		0	1.72
SC01	02/15/12												4.96		0.23		-0.07	3.45
SC01	02/15/12												5.28		0.237		1.37	2.71
SC01	02/16/12												5.86		0.279		0.31	1.76
SC01	02/16/12												5.69		0.265		2.12	3.23
SC01	02/17/12												6.81		0.28		0.35	2.27
SC01	02/17/12												6.66		0.274		1.17	4.42
SC01	02/21/12												4.16		0.43		0.84	1.72
SC01	02/21/12												3.45		0.871		1.77	1.39
SC01	02/22/12												5.63		0.291		0.36	9.23
SC01	02/22/12												6.2		0.25		0.88	5.57

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
	Cleanup Level																	
SC01	02/23/12												6.92		0.278		0.37	1.81
SC01	02/23/12												6.48		0.276		0.91	2.63
SC01	02/24/12												6.88		0.292		0.18	4.81
SC01	02/24/12												6.53		0.29		0.38	5.01
SC01	02/27/12												6.48		0.274		-0.07	
SC01	02/27/12												6.42		0.27		0.12	2
SC01	02/28/12												7.22		0.294		0.14	1.69
SC01	03/06/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	03/28/12												6.48		0.249		3.76	
SC01	04/03/12												6.46		0.275		9.57	
SC01	04/10/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	04/12/12												6.39		0.316		7.01	
SC01	04/19/12												6.73		0.314		13.51	
SC01	04/30/12												5.8		0.223		12.72	
SC01	05/07/12												6.27		0.252		16.9	
SC01	05/17/12												6.13		0.224		14.5	
SC01	05/25/12												5.89		0.314		16.63	
SC01	05/31/12												5.71		0.296		22.33	
SC01	06/04/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC01	06/07/12												5.84		0.255		15.4	
SC01	06/13/12												5.88		0.295		20.39	
SC01	06/19/12												5.51		0.319		22.08	
SC01	06/28/12												5.48		0.355		18.28	
SC01	07/03/12												5.23		0.326		24.08	
SC01	07/10/12												5.17		0.347		20.94	
SC01	07/18/12												5.5		0.328		26.72	
SC01	07/25/12												4.78		0.403		22.2	
SC01	07/30/12												4.58		0.36		24.26	
SC01	08/13/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U							
SC01	08/15/12												4.8		0.359		22.66	
SC01	08/29/12												4.81		0.409		16.69	
SC01	09/06/12												4.41		0.424		20.02	
SC01	09/19/12												3.98		0.435		15.75	
SC01	10/09/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC01	12/03/12	10 U		10 U			10 U	5 U	10 U	5 U	10 U			0.01 U				
SC01	03/25/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	04/06/10											8.66	7.94			130	8	
SC02	06/08/10							0.02 U		0.03 U	0.03 U	8.38	7.9			161.5	13.5	
SC02	08/17/10							0.02 U		0.03 U	0.03 U	8.11	7.93			207.4	17.7	
SC02	10/05/10							0.02 U		0.03 U	0.03 U	8.89	6.7			170.1	11.5	
SC02	12/07/10							0.02 U		0.03 U	0.03 U	10.04	6.45			126.5	5.9	
SC02	04/05/11	5 U		5 U			5 U	1 U	5 U	1 U	5 U			0.03 U				
SC02	06/07/11	0.5 U		0.5 U			0.5 U	0.1 U	0.5 U	0.1 U	0.5 U			0.03 U				
SC02	08/16/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	09/06/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	10/03/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	12/12/11	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC02	01/09/12																	0.26
SC02	01/10/12												6.54		0.131		0.5	0.13
SC02	01/10/12												6.42		0.13		0.65	0.15
SC02	01/11/12												6.51		0.131		0.22	0.26
SC02	01/11/12												6.54		0.131		0.41	0.26
SC02	01/12/12												6.48		0.13		0.53	0.26
SC02	01/12/12												6.36		0.13		0.41	0.32
SC02	01/13/12												7.48		0.137		0.79	0.25
SC02	01/13/12												6.44		0.137		0.63	0.23
SC02	01/16/12												6.5		0.131		0.33	0.28

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SC02	01/16/12												6.25		0.138		0	0.39
SC02	01/17/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	01/17/12												6.57		0.14		0.25	0.16
SC02	01/17/12												6.3		0.14		0.31	0.52
SC02	01/18/12												6.37		0.14		0.31	0.3
SC02	01/18/12												6.38		0.08		-0.07	0.32
SC02	01/19/12												6.4		0.138		-0.06	0.39
SC02	01/19/12												6.49		0.14		0.01	0.38
SC02	01/20/12												7.33		0.142		0.09	0.26
SC02	01/20/12												6.73		0.142		0.12	0.38
SC02	01/23/12												6.51		0.12		0.16	0.24
SC02	01/23/12												6.34		0.124		0.22	0.93
SC02	01/24/12												6.48		0.15		0.19	0.46
SC02	01/24/12												6.32		0.153		-0.04	1.73
SC02	01/25/12												6.69		0.176		0.46	0.49
SC02	01/25/12												6.63		0.172		0.62	0.48
SC02	01/26/12												6.19		0.167		0.33	0.66
SC02	01/26/12												6.26		0.167		0.58	0.35
SC02	01/30/12												6.41		0.138		0.41	0.59
SC02	01/30/12												6.63		0.137		0.46	0.63
SC02	01/31/12												6.78		0.133		0.03	0.53
SC02	01/31/12												7.19		0.136		0.1	0.64
SC02	02/01/12												6.69		0.138		0.75	0.77
SC02	02/01/12												6.58		0.155		0.28	2.81
SC02	02/02/12												6.53		0.15		0.77	1.3
SC02	02/02/12												6.48		0.167		0.55	0.99
SC02	02/03/12												6.3		0.249		-0.07	0.57
SC02	02/06/12												6.23		0.157		0.03	0.72
SC02	02/06/12												6.72		0.161		0.01	1.35
SC02	02/07/12												6.54		0.152		0.23	1.21
SC02	02/08/12												6.42		0.122		-0.07	1.15
SC02	02/08/12												6.57		0.166		0.02	1.21
SC02	02/09/12												6.55		0.158		0.01	1.09
SC02	02/09/12												6.79		0.158		0.09	1.47
SC02	02/10/12												6.65		0.16		0.02	1.07
SC02	02/10/12												6.71		0.16		0.09	1.27
SC02	02/13/12												7.31		0.126		-0.05	1.64
SC02	02/13/12												7.25		0.159		-0.03	0.68
SC02	02/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	02/14/12												6.16		0.126		0	1.66
SC02	02/14/12												6.04		0.14		0.02	1.4
SC02	02/15/12												6.2		0.129		-0.01	0.89
SC02	02/15/12												6.55		0.14		0.03	1.61
SC02	02/16/12												6.52		0.152		0.14	1.98
SC02	02/16/12												6.52		0.154		0.11	1.53
SC02	02/17/12												7.11		0.16		0.17	1.18
SC02	02/17/12												6.92		0.186		0.14	1.63
SC02	02/21/12												6.52		0.124		-0.03	0.84
SC02	02/21/12												6.2		0.189		0.04	0.99
SC02	02/22/12												6.52		0.171		0.18	1.23
SC02	02/22/12												7.05		0.184		0.33	2.3
SC02	02/23/12												7.12		0.163		0.54	1.42
SC02	02/23/12												6.72		0.196		0.56	1.24
SC02	02/24/12												7.2		0.17		0.33	1.81
SC02	02/24/12												6.92		0.202		0.32	1.82
SC02	02/27/12												7.34		0.177		0.03	1.22
SC02	02/27/12												6.74		0.176		-0.04	1.11

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
SC02	02/28/12												7.45		0.182		0.08	1.61
SC02	03/06/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	04/03/12												7.38		0.127		3.95	
SC02	04/10/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC02	04/12/12												6.98		0.145		4.94	
SC02	04/19/12												7.57		0.133		7.77	
SC02	04/30/12												6.3		0.106		7.29	
SC02	05/07/12												6.98		0.108		10.8	
SC02	05/17/12												7.58		0.11		10.87	
SC02	05/25/12												6.63		0.14		13.25	
SC02	05/31/12												6.96		0.143		14.2	
SC02	06/04/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	06/07/12												7.2		0.155		10.85	
SC02	06/13/12												7.18		0.16		14.22	
SC02	06/19/12												6.98		0.159		14.3	
SC02	06/28/12												6.73		0.143		14.21	
SC02	07/03/12												6.72		0.16		16.28	
SC02	07/13/12												6.52		0.171		17.02	
SC02	07/18/12												6.75		0.196		18.8	
SC02	07/25/12												6.24		0.175		16.25	
SC02	07/30/12												6.38		0.191		17.29	
SC02	08/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U							
SC02	08/15/12												7.34		0.177		17.6	
SC02	08/29/12												6.19		0.198		14.57	
SC02	09/06/12												6.08		0.217		16.35	
SC02	09/19/12												7.47		0.171		13.29	
SC02	10/09/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	12/03/12	0.2 U		0.2 U			0.2 U	0.1 U	0.2 U	0.1 U	0.2 U			0.01 U				
SC02	02/12/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC02	03/25/13	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC02	10/22/13	1 U		1 U			1 U	0.5 U	1 U	0.5 U	1 U			0.01 U				
SC02	10/29/13																	
SC02	10/29/13																	
SC02	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	01/17/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
SC03	02/13/12												5.08		0.441		0.4	14.8
SC03	02/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	02/14/12												5.65		0.274		0.57	9.02
SC03	02/14/12												5.47		0.375		0.33	24.3
SC03	02/15/12												5.28		0.338		0.17	8.39
SC03	02/15/12												5.75		0.369		0.24	7.85
SC03	02/16/12												6.07		0.42		0.08	81.4
SC03	02/16/12												6.04		0.461		15	44.6
SC03	02/17/12												7.25		0.377		0.13	36.5
SC03	02/17/12												6.65		0.417		0.7	44.6
SC03	02/21/12												8.13		0.4		0.06	9.15
SC03	02/21/12												7.07		0.436		0.92	2.11
SC03	02/22/12												7.4		0.38		0.5	45.1
SC03	02/22/12												7.03		0.456		1.21	4
SC03	02/23/12												7.79		0.391		1.01	6.37
SC03	02/23/12												6.98		0.433		1.6	4.42
SC03	02/24/12												7.32		0.344		0.39	29.7
SC03	02/24/12												7.09		0.46		1.03	2.38
SC03	02/27/12												7.45		0.436		0.2	5.46
SC03	02/27/12												7.27		0.471		0.22	12.6
SC03	02/28/12												7.32		0.461		0.46	3.42
SC03	03/06/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
	Cleanup Level																	
SC03	03/28/12												6.78		0.307		3.16	
SC03	04/03/12												6.67		0.346		9.26	
SC03	04/10/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	04/12/12												6.51		0.371		7	
SC03	04/19/12												6.73		0.39		14.36	
SC03	04/30/12												6.16		0.284		14.54	
SC03	05/07/12												6.51		0.298		19.1	
SC03	05/17/12												6.56		0.299		18.97	
SC03	05/25/12												6.17		0.391		16.69	
SC03	05/31/12												6.41		0.372		22.04	
SC03	06/04/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	06/07/12												6.35		0.332		14.44	
SC03	06/13/12												6.4		0.333		20.75	
SC03	06/19/12												6.41		0.398		23.24	
SC03	06/28/12												6.18		0.416		17.93	
SC03	07/03/12												6.19		0.398		23.87	
SC03	07/10/12												6.14		0.4		21.35	
SC03	07/18/12												6.31		0.37		26.87	
SC03	07/25/12												5.87		0.403		22.55	
SC03	07/30/12												5.9		0.402		24.95	
SC03	08/13/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U							
SC03	08/15/12												6.25		0.39		22.46	
SC03	08/29/12												5.85		0.44		17.01	
SC03	09/06/12												5.54		0.462		20.81	
SC03	09/19/12												5.38		0.402		17.81	
SC03	10/09/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	12/03/12	10 U		10 U			10 U	5 U	10 U	5 U	10 U			0.01 U				
SC03	02/12/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	03/25/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC03	10/22/13	2 U		2 U			2 U	1 U	2 U	1 U	2 U			0.01 U				
SC03	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
SC West	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	04/08/08		6					0.02 U		0.03 U	0.03 U	11.26	6.56			53.5	6.4	
LB01	07/22/08		16									4.19	6.86			83.2	18.9	
LB01	10/07/08		16										6.16			76	8.3	
LB01	11/19/08		8					0.02 U		0.03 U	0.03 U	10.41	6.02			31.4	1.4	
LB01	12/15/08		4.5									10.89	6.15			28.6	0.9	
LB01	03/17/09							0.02 U		0.03 U	0.03 U	11.5	6.21			57.9	4.1	
LB01	04/09/09		5.5					0.02 U		0.03 U	0.03 U	7.63	5.93			52.4	5.5	
LB01	05/12/09							0.02 U		0.03 U	0.03 U	7.33	6.49			55.7	11.4	
LB01	06/09/09							0.02 U		0.03 U	0.03 U	8.87	5.9			61.8	11.3	
LB01	07/27/09		12					0.02 U		0.03 U	0.03 U	7.32	6.61			69.6	18.3	
LB01	08/11/09											6.8	7.86			65.7	19.5	
LB01	09/08/09											6	6.38			80.2	15.2	
LB01	10/15/09		13									10.72	6.68			63.9	5.1	
LB01	11/09/09							0.02 U		0.03 U	0.03 U	7.25	6.73			66.3	7.3	
LB01	12/07/09		9									12.4	6.31			30.6	1.9	
LB01	04/06/10											10.11	8.02			52.8	7.7	
LB01	06/08/10							0.02 U		0.03 U	0.03 U	8.19	7.92			72.4	12.6	
LB01	08/17/10							0.02 U		0.03 U	0.03 U	7.84	7.9			87.5	17.3	
LB01	10/05/10							0.02 U		0.03 U	0.03 U	8.94	6.94			61.9	11.5	
LB01	12/07/10							0.02 U		0.03 U	0.03 U	14.56	6.61			52.7	2.7	
LB01	04/05/11	0.5 U		0.5 U			0.5 U	0.1 U	0.5 U	0.1 U	0.5 U			0.03 U				
LB01	06/07/11	0.5 U		0.5 U			0.5 U	0.1 U	0.5 U	0.1 U	0.5 U			0.03 U				
LB01	08/16/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	09/06/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	10/03/11	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				

Table 5: Lord Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bromide	Calcium Carbonate	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	O-Phosphate	Oxygen	pH	T Phosphate, as P	Sp. Conductivity	Sp.Conductivity	Temp.	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	N	T	T	T
		MG/L	MG/L	MG/L	MV	GPM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	Std. Units	MG/L	MS/CM	US/CM	DEG C	NTU
Cleanup Level																		
LB01	12/12/11	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	01/17/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	02/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	03/06/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	04/10/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	06/04/12	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
LB01	08/14/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U							
LB01	10/09/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	12/03/12	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	02/12/13	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
LB01	03/25/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB01	10/22/13	0.5 U		0.1 U			0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			0.01 U				
LB01	12/02/13	0.1 U		0.1 U			0.1 U	0.05 U	0.1 U	0.05 U	0.1 U			0.01 U				
LB39B	10/29/13																	
LB39B	10/29/13																	
LB39A	10/29/13																	
LB39A	10/29/13																	

Notes:

T = total mass concentration
U/UG = Not detected above listed value
mg/L - milligrams per liter
MV = millivolts
ms/cm = milli Seimens per centermeter
us/cm = micro Seimens per centermeters
deg C = degrees centigrade
NTU = Nephelos Turbidity Unit
GPM = gallons per minute

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB16	07/12/11	120 U	130	22 U	20 U	22 U	20 U	30	33	9 U	8 U	11 U	10 U	350000	380000	22 U	20 U	22 U	20 U	22 U
CB16	08/16/11	120 U	4300	22 U	20 U	22 U	20 U	35	44	9 U	8 U	21	21	140000	160000	22 U	20 U	350	370	820
CB16	08/29/11	3.8 J	2400	0.97 J	0.46 U	0.29 U	0.29 U	15 ^	30 ^	0.045 U	0.087 J	0.83 J ^	1.1	60000 B	62000	1.1 J	5.1	14 ^	19 ^ B	16 ^
CB16	09/06/11	120 U	1100	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	88000	96000	22 U	20 U	60	65	22 U
CB16	10/03/11	120 U	3200	22 U	20 U	22 U	20 U	22 U	28	9 U	8 U	11 U	10 U	72000	73000	22 U	20 U	33	35	22 U
CB16	11/15/11	120 U	740	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11 U	10 U	160000	170000	22 U	20 U	22 U	20 U	22 U
CB16	12/13/11	120 U	590	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	120000	130000	22 U	20 U	22 U	20 U	45 U
CB16	01/17/12	120 U	720	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	170000	160000	22 U	20 U	22 U	20 U	22 U
CB16	02/14/12	120 U	220	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	220000	220000	22 U	20 U	22 U	20 U	22 U
CB16	03/06/12	120 U	520	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	210000	210000	22 U	20 U	22 U	20 U	22 U
CB16	04/10/12	120 U	300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	22 U	20 U	22 U
CB16	06/05/12	120 U	390	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	100000	100000	22 U	20 U	22 U	20 U	22 U
CB16	08/13/12	120 U	910	22 U	20 U	22 U	20 U	35	40	9 U	8 U	11 U	10 U	300000	300000	22 U	20 U	22 U	20 U	22 U
CB16	10/09/12	120 U	5000	22 U	20 U	22 U	20 U	23	54	9 U	8 U	11 U	10 U	120000	130000	22 U	20 U	22 U	20 U	22 U
CB16	12/03/12	120 U	770	22 U	20 U	22 U	20 U	24	28	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	22 U	20 U	22 U
CB16	02/12/13	120 U	410	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	130000	130000	22 U	20 U	22 U	20 U	22 U
CB16	03/26/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	110000	110000	22 U	20 U	22 U	20 U	22 U
CB16	06/10/13	120 U	110 U	22 U	20 U	22 U	20 U	23	26	9 U	8 U	11 U	10 U	130000	170000	22 U	20 U	22 U	20 U	22 U
CB16	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	24	24	9 U	8 U	11 U	10 U	160000	170000	22 U	20 U	22 U	20 U	22 U
CB16	10/23/13	120 U	110 U	67 U	60 U	22 U	20 U	24	23	9 U	8 U	11 U	10 U	280000	280000	22 U	20 U	22 U	20 U	22 U
CB16	10/29/13	120 U	110 U	45 U	20 U	22 U	20 U	25	24	9 U	8 U	11 U	10 U	360000	350000	22 U	20 U	22 U	20 U	22 U
CB16	12/03/13	120 U	180	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	110000	110000	22 U	20 U	22 U	20 U	22 U
CB06	01/04/05	6940	7420	60 U	60 UJ	10 UJ	10 U	9.8	11.1	0.3 UJ	R	7.7 J	6.6 J	114000	118000	7.9	8.3	130	130	4360
CB06	02/28/05	6300	6450	60 UJ	60 UJ	10 U	10 UJ	12.1	11.7	0.16 UJ	0.17 UJ	4.5 UJ	4.3 UJ	252000	247000	3.8 UJ	5.6 UJ	113	111	2890
CB06	04/04/05	6430	8210	60 UJ	60 U	10 U	10 UJ	12.3	23.8	0.14	0.23 U	11.2	11.6	46100	46000	12.7	15.9	165	170	5850
CB06	06/06/05	6010	6010	60 UJ	60 UJ	10 UJ	10 U	14.6	14.4	0.23 UJ	0.2 UJ	7.7 J	7.4 J	173000	175000	6.6 UJ	7.3 UJ	123	121	3540
CB06	08/01/05	2880	3180	25.2	19.5 U	10 UJ	10 U	13.9 UJ	5.3 U	5 U	0.097 UJ	20.4 UJ	6 UJ	396000	403000	10 UJ	6.3 UJ	57.6	48.6	345
CB06	10/03/05	2830	3120	7.3 UJ	6.5 UJ	10 U	10 U	6.1 U	5.6 UJ	0.16 UJ	0.12 UJ	4.8 UJ	2.1	375000	391000	2.9 UJ	5.3 UJ	47.8	48.2	388
CB06	12/05/05	10900 J	11000 J	60 UJ	60 UJ	10 UJ	10 UJ	9.9 J	10.7 J	0.37 UJ	0.32 UJ	11.6 J	11 J	87800 J	84400 J	17.5 J	14.7 J	201 J	199 J	7420 J
CB06	02/13/06	9670	10300	60 U	60 U	10 U	10 U	9.2 J	14.2	0.23 UJ	0.23 UJ	9.6	11.4 J	133000	132000	11.7 J	9.5	173	178	5860
CB06	04/03/06	5910	6630	60 U	60 U	5.2 UJ	10 U	11.8	17.6	0.18 UJ	0.21 UJ	7.3 J	6.9 J	104000	101000	5.5 UJ	4.9	109	108	3430
CB06	08/07/06	10200	10200	60 U	60 UJ	9.4 U	R	19.1 J	17.1	0.36 UJ	0.41 UJ	6.3 J	8.3	199000	201000	2.8	9.3 UJ	178	165	4620
CB06	10/16/06	6620	6790	12.5 J	60 U	R	R	17.2	17.2	0.31 UJ	0.22 UJ	6.7 J	7 J	219000	225000	4.3 UJ	3.9 UJ	104	106	2940
CB06	04/09/07	8160	8400	60 UJ	60 U	R	R	6.1	4.5 J	0.28 UJ	0.25 UJ	11.4 J	10.9 J	88400	93400	5.1 U	10 UJ	167	169	5280
CB06	05/10/07	5800	5700	0.5 U	0.5 U	0.5 U	0.5 U	16	15.2	0.5 U	0.5 U	6.2	6	120000	120000	4.9	4.8	105.1	102.2	3020
CB06	06/11/07	5080	5420	60 UJ	60 UJ	R	R	3.6 J	8.3	0.19 UJ	0.22 UJ	3.8 UJ	1.8 UJ	187000	190000	10 U	10 U	84.5	80.1	1860
CB06	07/16/07	3470	3530	60 UJ	19.3	R	10 U	1.2 J	26.8	0.091 UJ	0.19 UJ	14.4 UJ	21.5 UJ	349000	339000	10 U	10 U	50.2	61.6 J	517 J
CB06	08/16/07	3200	3300	0.02 UJ	0.5 U	0.7	0.7	17	17.4	0.19 UJ	0.2 UJ	1.1	1.2	410000	390000	1.7	2.1	52.8	56.8	219.9
CB06	10/02/07	5190	5050	60 UJ	13.8 J	10 UJ	10 U	28.5	27.6 J	0.14 UJ	0.92 UJ	4.7 UJ	8.2 UJ	363000	341000	10 UJ	10 U	94.5	81.9	735
CB06	10/25/07																			
CB06	12/04/07	6440	6610	60 U	60 U	10 U	10 UJ	6.2 J	11.5	0.11 UJ	0.19 UJ	9.6 J	6.7 J	121000	121000	2.3	4.3 UJ	118	121	4270
CB06	04/07/08	6420	7270	60 U	60 U	10 U	10 U	9.7	17	0.14 J	0.17 J	9.7	10.4	50500	54600	10.6	13.4	145	163	5030
CB06	05/20/08		4120		60 U		10 U		17.7 J		0.12 UJ		4.9 J		147000		10 U		84.7	
CB06	06/10/08		3400		40 U		40 U		40 U		16 U		20 U		260000		40 U		79	
CB06	07/23/08	4070	3770	60 U	60 U	10 U	10 U	24.8 J	23.3	0.19 UJ	0.15 UJ	2.3 UJ	6.3 UJ	281000	261000	10 U	10 UJ	87.7	82.2	1450
CB06	08/18/08		8500		20 U		20 U		24		8 U		10 U		240000		20 U		170	
CB06	09/09/08		17000		20 U		20 U		20 U		8 U		10 U		200000		20 U		160	
CB06	10/06/08	1790	4130	60 U	60 U	10 U	10 U	14.8	15.3	5 U	0.12 UJ	4.1	4	327000	322000	10 U	10 U	72.5	70.5	1540
CB06	11/19/08		7800		20 U		40 U		40 U		16 U		20 U		110000		40 U		150	
CB06	12/15/08	4550	5710	60 U	60 U	10 U	10 U	200 U	200 U	5 U	5 U	5.4	5.7	74000	76200	10 U	10 U	87.8	89.6	3340
CB06	02/10/09		2900		20 U		20 U		20 U		8 U		10 U		140000		20 U		53	
CB06	03/17/09		9300		20 U		20 U		20 U		8 U		11		79000		20 U		190	
CB06	04/08/09	4760 J	5000	60 U	60 U	10 U	10 U	13.8 J	16.7 J	5 U	5 U	7	6.4	52300 J	45400	8.8 J	7.9 J	113	96	4130
CB06	05/12/09		3400		20 U		20 U		20 U		8 U		10 U		70000		20 U		67	
CB06	06/09/09		4600		20 U		20 U		20 U		8 U		10 U		100000		20 U		69	
CB06	07/27/09	7420	11000	60 U	60 U	10 U	1.9 J	21.3 J	35.6 J	5 U	0.32 J	6.4	6.5	110000	104000	2.7 J	11.7	102	99.3	1870
CB06	08/11/09		5700		20 U		20 U		22		8 U		10 U		140000		20 U		120	
CB06	09/08/09		4200		20 U		20 U		21		8 U		10 U		340000		20 U		92	
CB06	10/14/09	1820	4840	60 U	60 U	10 U	10 U	14.1 J	14.7 J	0.28 J	5 U	6.3	7	210000	208000	10 U	4.4 J	95.7	97.8	3380
CB06	11/10/09		5300		20 U		20 U		20 U		8 U		10 U		210000		20 U		120	
CB06	12/08/09	2000	4160	60 U	60 U	10 U	10 U	15.2 J	14.9 J	5 U	5 U	5.7	5.5	96100	95300	10 U	3.9 J	93.6	92.6	3250
CB06	03/09/10		2000		20 U		20 U		20 U		8 U		10 U		94000		20 U		52	
CB06	04/05/10	200 U	1210	60 U	60 U	10 U	10 U	15.3 J	10.8 J	5 U	5 U	2.6 J	5 U	124000	124000	10 U	10 U	49.6 J	43.8 J	639 J

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB16	07/12/11	44	3600	9900	22 U	20 U	69000	74000	1200	1300					22 U	20 U	22000	24000	22 U	20 U	11 U	10 U
CB16	08/16/11	2800	2800	11000	22 U	20 U	22000	24000	2100	2200					140	140	9200	10000	45 U	20 U	11 U	10 U
CB16	08/29/11	280 ^	4800	14000 ^ B	0.15 U	1.7 ^	10000	10000	440 ^ B	500 ^			1.6 U	1.6 U	7.3	12 ^	4500	5000	0.51 U	0.89 J	0.1 ^ U	0.1 ^ U
CB16	09/06/11	360	100	4300	22 U	20 U	12000	14000	690	790					27	32	5400	6600	22 U	20 U	11 U	10 U
CB16	10/03/11	370	600	9400	22 U	20 U	10000	11000	700	780					22 U	20 U	5200	5500	22 U	20 U	11 U	10 U
CB16	11/15/11	120	54000	69000	22 U	20 U	40000	41000	1500	1600					22 U	20 U	12000	12000	22 U	20 U	11 U	10 U
CB16	12/13/11	200	58000	67000	22 U	20 U	34000	34000	1500	1600					22 U	20 U	9300	9300	22 U	20 U	11 U	10 U
CB16	01/17/12	67	98000	100000	22 U	20 U	58000	56000	2500	2400					22 U	20 U	15000	14000	45 U	40 U	11 U	10 U
CB16	02/14/12	37	130000	130000	22 U	20 U	79000	76000	3200	3100					22 U	20 U	19000	19000	22 U	20 U	11 U	10 U
CB16	03/06/12	34	120000	130000	22 U	20 U	71000	72000	3000	3100					22 U	20 U	17000	18000	22 U	20 U	11 U	10 U
CB16	04/10/12	31	58000	67000 J2	22 U	20 U	34000	34000	1400	1400					22 U	20 U	9100	9400	45 U	40 U	11 U	10 U
CB16	06/05/12	90	180	2900	22 U	20 U	11000	11000	340	360					22 U	20 U	6000	6000	22 U	20 U	11 U	10 U
CB16	08/13/12	24	840	6700	22 U	20 U	28000	27000	990	960					22 U	20 U	20000	20000	45 U	20 U	11 U	10 U
CB16	10/09/12	120	330	14000	22 U	20 U	18000	21000	800	940					22 U	20 U	8400	10000	22 U	40 U	11 U	10 U
CB16	12/03/12	68	32000	36000	22 U	20 U	26000	26000	1100	1100					22 U	20 U	10000	10000	22 U	20 U	11 U	10 U
CB16	02/12/13	22	57000	61000	22 U	20 U	37000	38000	1600	1600					22 U	20 U	1100 U	1000 U	22 U	20 U	11 U	10 U
CB16	03/26/13	22	36000	37000	22 U	20 U	26000	26000	910	910					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB16	06/10/13	36	98	1800	22 U	40 U	9800	9700	180	160					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB16	08/12/13	20 U	270	1300	22 U	20 U	14000	14000	250	250					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB16	10/23/13	20 U	2900	5100	22 U	20 U	24000	24000	410	400					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB16	10/29/13	20 U	9000	4900	22 U	20 U	28000	28000	510	490					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	20 U
CB16	12/03/13	30	23000	26000	22 U	20 U	25000	25000	790	800					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB06	01/04/05	4460 J	88700	93800	10 U	10 UJ	37000	38400	1820	1830	0.2 U	0.2 U			33.3	33.9	8620	9360	35 U	35 U	10 UJ	10 U
CB06	02/28/05	2860	240000	243000	10 UJ	10 U	89900	87000	3930	3940	0.2 UJ	0.1 U			33.1	32.1	19700	18500 J	35 UJ	35 U	10 U	10 U
CB06	04/04/05	5890	34300	46400	R	6 J	10900	11400	830	875	0.2 UJ	0.2 UJ			37.1	40.2	2910	3760	35 U	35 U	10 U	10 U
CB06	06/06/05	3430	158000	160000	10 UJ	R	57700	58700	2800	2790	0.2 U	0.2 U			34.2	33.9	14200	13200	35 U	8.2 UJ	10 U	10 U
CB06	08/01/05	401	449000	432000	5.3 UJ	10 UJ	155000	157000	6240	6430	0.2 U	0.2 U			20.8 UJ	19.3	37400	37700 J	35 UJ	10.6 J	10 UJ	10 U
CB06	10/03/05	403	408000	434000	R	R	138000	146000	5930	6130	0.2 UJ	0.06 J			20.5 J	21.9	38400	34600	35 U	35 U	2.5 U	0.9 J
CB06	12/05/05	7090 J	80300 J	77600 J	R	10 UJ	28200 J	26600 J	1260 J	1180 J	0.2 UJ	0.2 UJ			45.2 J	45.1 J	6110 J	6300 J	35 UJ	35 UJ	10 UJ	10 UJ
CB06	02/13/06	5700	122000	126000	10 U	10 U	43100	43400	2070	2070	0.2 U	0.2 U			40.7	41	10300	9880	35 U	14.8 UJ	R	10 U
CB06	04/03/06	3390	93600	94300	R	5.6 J	32200	31800	1720	1680	0.2 U	0.2 U			28.2 J	28.8	7580	7660	35 UJ	35 U	10 U	10 U
CB06	08/07/06	4600	223000	222000 J	R	10 U	67300	69600	3580	3650	0.2 U	0.4 J			44.7 J	43.9 J	18900	17600	35 UJ	35 U	R	R
CB06	10/16/06	3010	307000	316000	10 UJ	10 UJ	80500	83100	4050	4010	0.2 U	0.032 J			29.9 J	30.3 J	19400	19900	35 U	35 U	10 U	10 U
CB06	04/09/07	5420	135000	138000	10 U	10 U	31700	33900	1790	1810	0.2 U	0.2 U			37.6 J	38.1 J	7360	6490	35 U	35 U	10 U	10 U
CB06	05/10/07	2910	200000	200000	0.8	0.8	53000	52000	2737	2690	0.2 U	0.2 U	2 U	2 U	30.1	29.3	14000	13000	3	2	0.5 U	0.5 U
CB06	06/11/07	1910	288000	293000	22.2 UJ	48.4 J	72800	74900	3810	3740	0.2 U	0.2 U			24.5 J	24.7 J	16800	17800	35 UJ	35 U	10 U	10 U
CB06	07/16/07	490 J	685000	702000	16.2	R	157000	151000	7680	7650	0.22 U	0.15 J			21.4 UJ	20.1 UJ	34700	35500	35 U	35 UJ	5.9	10 U
CB06	08/16/07	241.8	830000	800000	0.24 J	0.29 J	180000	170000	8964	9208	0.2 U	0.2 U	0.18 UJ	0.14 UJ	24.1	27.3	46000	45000	5	5	0.5 U	0.5 U
CB06	10/02/07	726	565000	599000	R	10 UJ	149000	147000	8080	7500	0.2 U	0.2 UJ			37 J	34.1 J	34400	32800	35 UJ	35 UJ	10 UJ	6.7
CB06	10/25/07		280000	270000																		
CB06	12/04/07	4330	154000	156000	10 U	R	45100	44100	2260	2310	0.2 U	0.2 U			28.7	30.3	10100 J	10500	16 UJ	35 U	R	10 UJ
CB06	04/07/08	5320	35300	42000	10 UJ	10 UJ	12500	14000	742	804	0.2 U	0.2 UJ			32.5	36.4	3550	3900	35 UJ	35 U	10 U	10 U
CB06	05/20/08	2370		154000		10 U		54700		2900						22.1		13100		35 U		10 UJ
CB06	06/10/08	1500		210000		40 U		94000		5000						40 U		23000		40 U		20 U
CB06	07/23/08	1330	192000	180000	10 UJ	10 UJ	98700	93700	4890	4430	0.2 U	0.2 UJ			28.6	24.3	24200	21800	35 UJ	35 UJ	0.9 J	1.1 UJ
CB06	08/18/08	5400		23000		20 U		56000		1600						42		15000		20 U		10 U
CB06	09/09/08	2500		22000		20 U		47000		1900						54				20 U		10 U
CB06	10/06/08	1530	16100	17900	10 UJ	10 UJ	56400	58700	1480	1530					18.7	18.6	19400	18900	35 U	35 U	10 UJ	10 UJ
CB06	11/19/08	5400		67000		40 U		34000		1600						40 U		8200		40 U		20 U
CB06	12/15/08	3490	32900	44200	10 U	10 U	21700	22800	1000	1020					20.9 J	21.8 J	5260	6010	35 U	35 U	10 UJ	10 U
CB06	02/10/09	1600		83000		20 U		46000		2100						20 U				20 U		10 U
CB06	03/17/09	7000		46000		20 U		23000		1200						42		5400		20 U		10 U
CB06	04/08/09	3640	22400	24300	10 U	10 U	13100 J	11400	705	667					24.7 J	22.3 J	3380 J	3310 J	35 U	3 J	15	10 U
CB06	05/12/09	2400		16000		20 U		16000		780						20 U		5100		20 U		10 U
CB06	06/09/09	2000		9600		20 U		20000		590						21		6200		20 U		10 U
CB06	07/27/09	1820	2940	10200	10 U	6.4 J	18200	18400	1060	1060					33.8 J	36.2 J	6170	6750	35 U	3.1 J	10 U	10 U
CB06	08/11/09	3900		6300		20 U		21000		890						31				20 U		10 U
CB06	09/08/09	2700		23000		20 U		53000		1600						24				20 U		10 U
CB06	10/14/09	3890	8200	10800	10 U	10 U	31400	32300	983	1040					25.6 J	26.1 J	11700	11600	35 U	35 U	10 U	10 U
CB06	11/10/09	4500		12000		20 U		28000		850						29		11000		20 U		10 U
CB06	12/08/09	3300	41000	44600	10 U	10 U	25500	25900	1320	1330					21.6 J	21.7 J	6750	6730	35 U	35 U	10 U	10 U
CB06	03/09/10	1200		33000		20 U		23000		1200						20 U		6900		20 U		10 U
CB06	04/05/10	999	86300	103000	10 U	10 U	39200 J	37500	1960	2000					13.1 J	14.1 J	9590	9440	7.8 J	35 U	9.3 J	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB16	07/12/11	11000	12000			1300000	22 U	20 U	56 U	50 U	28	43
CB16	08/16/11	4600	4300			500000	22 U	40 U	56 U	50 U	1700	1800
CB16	08/29/11	2300 B	2200	160 ^ B	160 ^	190000	0.1 U	0.1 U	1.1 J	4.5 J	54 ^	92 ^
CB16	09/06/11	2900	3500			280000	22 U	20 U	22 U	20 U	100	190
CB16	10/03/11	3300	3500			200000	22 U	20 U	56 U	50 U	70	150
CB16	11/15/11	5600	6000			650000	22 U	20 U	22 U	20 U	42	70
CB16	12/13/11	4800	4500			580000	22 U	20 U	56 U	20 U	75	100
CB16	01/17/12	7300	7200			920000	22 U	20 U	22 U	20 U	48	59
CB16	02/14/12	8100	8000			1200000	22 U	20 U	22 U	20 U	49	53
CB16	03/06/12	7500	7900			1300000	22 U	20 U	22 U	20 U	43	50 B
CB16	04/10/12	4500	4800			540000	22 U	20 U	22 U	20 U	25	31
CB16	06/05/12	3900	4100			290000	22 U	20 U	22 U	20 U	22 U	41
CB16	08/13/12	9000	9000			870000	22 U	40 U	22 U	20 U	22 U	20
CB16	10/09/12	5000	5500			420000	22 U	40 U	22 U	20 U	22 U	47
CB16	12/03/12	7900	7600			427320	22 U	20 U	22 U	20 U	28	41
CB16	02/12/13	1100 U	1000 U			620000	22 U	20 U	22 U	20 U	40	45
CB16	03/26/13	1100 U	1000 U			380000	22 U	20 U	22 U	20 U	29	33
CB16	06/10/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	35
CB16	08/12/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB16	10/23/13	1100 U	1000 U			760000	22 U	20 U	22 U	20 U	22 U	20 U
CB16	10/29/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB16	12/03/13	1100 U	1000 U			380000	22 U	20 U	22 U	20 U	33	41
CB06	01/04/05	5830	6390 J			923000	6.3 J	8.6 J	2.8	2.1	1060	1090
CB06	02/28/05	10200 J	9520 J			2100000	9.8 J	6.2 J	7.4 UJ	6.5 UJ	918	885
CB06	04/04/05	2860	3320			347000	25 U	25 U	0.99 J	5.3	1550	1560
CB06	06/06/05	7900 J	7620 J			1400000	7.8 J	25 U	5.1 UJ	2	1060	1060
CB06	08/01/05	13600 J	15000 J			4100000	22.7 UJ	21.7	12.8 UJ	9.4 UJ	451 J	461
CB06	10/03/05	14000 J	13100 J			2800000	20.3	19.6	11.9 UJ	12.1 J	435	715
CB06	12/05/05	5260 J	5760 J			1200000	25 UJ	25 UJ	1.7 UJ	50 UJ	1910 J	1850 J
CB06	02/13/06	6390 J	6170 J			880000	25 U	25 U	6.4 UJ	2.5 UJ	1620	1630
CB06	04/03/06	5940 J	5480 J			710000	25 U	25 U	2.9 UJ	0.61 UJ	918	918
CB06	08/07/06	9770 J	8770 J			4600000	8.4 J	25 U	50 UJ	1.1	1520	1500
CB06	10/16/06	9400 J	11200 J			1700000	25 U	25 U	7	8.2 UJ	958	966
CB06	04/09/07	5280 J	4720 J			700000	3.9 UJ	25 U	50 UJ	50 UJ	1570	1610
CB06	05/10/07	9000	8700	360	345	1200000	0.5 U	0.5 U	0.5 U	0.5 U	871.8 J	857.2 J
CB06	06/11/07	9060 J	9810 J			1400000	10.9 U	4.5 UJ	3.7	1	797	815
CB06	07/16/07	13200 J	13400 J			2900000	25 U	10.9 UJ	50 UJ	10.3	491	475
CB06	08/16/07	18000	17000	860	850	4500000	0.08 UJ	0.06 UJ	0.44 J	0.6	379.8	401.3
CB06	10/02/07	13200 J	11500 J			2900000	25 U	5.1 J	9.2	6.1 J	654	638
CB06	10/25/07					1900000						
CB06	12/04/07	6320 J	5900 J			940000	25 U	25 U	50 UJ	1.5 UJ	1010	985
CB06	04/07/08	4200	4360			1100000	25 U	25 U	50 U	0.69 J	1310	1460
CB06	05/20/08		7210 J					25 U		50 UJ		718
CB06	06/10/08		11000					40 U		20 U		610
CB06	07/23/08	11400 J	11100 J			2500000	25 U	25 U	1.3 UJ	2.8 UJ	654	629
CB06	08/18/08		8400			1100000		20 U		10 U		1500
CB06	09/09/08							20 U		10 U		1400
CB06	10/06/08	10500 J	10100 J			1300000	25 U	25 U	50 U	50 U	570	589
CB06	11/19/08		6500			660000		40 U		20 U		1200
CB06	12/15/08	4940 J	5180			480000	25 U	25 U	50 U	50 U	729	764
CB06	02/10/09					960000		20 U		10 U		400
CB06	03/17/09		5400			570000		20 U		10 U		1600
CB06	04/08/09	3880 J	3570 J			350000	25 U	25 U	50 U	50 U	976	875
CB06	05/12/09		6100			300000		20 U		10 U		590
CB06	06/09/09		5200			360000		20 U		10 U		600
CB06	07/27/09	6130	6380			460000	25 U	25 U	50 U	5 J	905	895
CB06	08/11/09					540000		20 U		10 U		1000
CB06	09/08/09					1200000		20 U		10 U		770
CB06	10/14/09	7260	7930			710000	25 U	25 U	50 U	50 U	868	903
CB06	11/10/09		7500			690000		20 U		50 U		1100
CB06	12/08/09	5380	5530			430000	25 U	25 U	3.8 J	3.2 J	757	760
CB06	03/09/10		5300			380000		20 U		10 U		320
CB06	04/05/10	6070	6050				25 U	25 U	50 U	50 U	273	251

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB06	05/04/10		920		400 U		1600 U		120 U		40 U		120 U		150000		120 U		120 U	
CB06	06/07/10	450 U	1000	220 U	200 U	900 U	800 U	67 U	60 U	22 U	20 U	67 U	60 U	250000	240000	67 U	60 U	67 U	63	270
CB06	08/16/10	490 U	2000	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	260000	280000	90 U	80 U	90 U	80 U	90 U
CB06	09/08/10		6400		40 U		40 U		66		16 U		20 U		600000		40 U		40 U	
CB06	10/04/10	120 U	3600	22 U	20 U	22 U	20 U	28	40	9 U	8 U	11 U	10 U	120000	110000	22 U	20 U	150	150	1000
CB06	11/03/10		380		20 U		20 U		20 U		8 U		10 U		230000		20 U		22	
CB06	12/06/10	120 U	290	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	94000	100000	22 U	20 U	22 U	20 U	22 U
CB06	03/14/11	120 U	580	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	71000	70000	22 U	20 U	38	37	22 U
CB06	04/04/11	120 U	670	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	89000	88000	22 U	20 U	23	23	22 U
CB06	05/10/11	240 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	99000	100000	22 U	20 U	22 U	20 U	22 U
CB06	07/12/11	120 U	120	22 U	20 U	22 U	20 U	28	31	9 U	8 U	11 U	10 U	310000	340000	22 U	20 U	22 U	20 U	22 U
CB06	08/16/11	120 U	4000	22 U	20 U	22 U	20 U	32	42	9 U	8 U	21	22	140000	140000	22 U	20 U	350	370	610
CB06	08/29/11	4.7 J	1800	0.46 U	0.46 U	0.29 U	0.29 U	15 ^	26 ^	0.045 U	0.11 J	0.66 J ^	0.91 J	66000 B	63000	1.1 J	3.9	13 ^	16 ^ B	8.5 ^
CB06	09/06/11	120 U	1400	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11 U	10 U	85000	87000	22 U	20 U	59	63	22 U
CB06	10/03/11	120 U	1400	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	72000	74000	22 U	20 U	31	32	22 U
CB06	11/15/11	120 U	320	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	140000	140000	22 U	20 U	22 U	20 U	22 U
CB06	12/13/11	120 U	1400	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	110000	120000	22 U	20 U	22 U	20 U	45 U
CB06	04/10/12	120 U	480	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	93000	94000	22 U	20 U	22 U	20 U	22 U
CB06	06/05/12	120 U	290	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	96000	98000	22 U	20 U	22 U	20 U	22 U
CB06	08/13/12	120 U	10000	22 U	20 U	22 U	20 U	47	110	9 U	8 U	11 U	10 U	240000	240000	22 U	20 U	22 U	20 U	22 U
CB06	10/09/12	120 U	1700	22 U	20 U	22 U	20 U	22 U	33	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	22 U	20 U	22 U
CB06	12/03/12	120 U	1300	22 U	20 U	22 U	20 U	22 U	27	9 U	8 U	11 U	10 U	110000	110000	22 U	20 U	22 U	20 U	22 U
CB06	03/26/13	120 U	110	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	99000	100000	22 U	20 U	22 U	20 U	23
CB06	06/10/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11 U	10 U	130000	140000	22 U	20 U	22 U	20 U	33
CB06	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	25	26	9 U	8 U	11 U	10 U	180000	190000	22 U	20 U	22 U	20 U	22 U
CB06	10/23/13	370 U	110 U	200 U	60 U	67 U	20 U	67 U	22	27 U	8 U	34 U	10 U	250000	210000	67 U	20 U	67 U	20 U	67 U
CB06	10/29/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	260000	260000	22 U	20 U	22 U	20 U	22 U
CB06	12/03/13	120 U	160	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	100000	100000	22 U	20 U	22 U	20 U	22 U
CB14	08/14/12	120 U	110 U	22 U	20 U	22 U	20 U	25	26	9 U	8 U	11 U	10 U	110000	110000	22 U	20 U	22 U	20 U	22 U
CB14	10/09/12	120 U	5800	22 U	20 U	22 U	20 U	22 U	54	9 U	8 U	11 U	10 U	51000	54000	22 U	20 U	22 U	20 U	22 U
CB14	12/04/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	54000	52000	22 U	20 U	22 U	20 U	55
CB13	08/29/11	1400	4800	0.46 U	0.46 U	0.29 U	0.29 U	36 ^	35 ^	0.24 J	0.23 J	7.9 ^	7.4	76000 B	75000	1.4 J	6.1	120 ^	120 ^ B	4000 ^
CB13	03/06/12	120 U	38000	22 U	20 U	22 U	20 U	64	320	9 U	8 U	11 U	10 U	220000	240000	22 U	64	22 U	39	22 U
CB13	04/10/12	120 U	870	22 U	20 U	22 U	20 U	47	56	9 U	8 U	11 U	10 U	300000	310000	22 U	20 U	22 U	20 U	22 U
CB13	06/05/12	250 U	1000	45 U	20 U	45 U	20 U	46	54	18 U	8 U	22 U	10 U	240000	230000	45 U	20 U	45 U	20 U	45 U
CB13	08/14/12	120 U	120	22 U	20 U	22 U	20 U	54	60	9 U	8 U	11 U	10 U	350000	350000	22 U	20 U	22 U	20 U	22 U
CB12	12/07/09	22000	22000	22 U	20 U	22 U	20 U	31	31	9 U	8 U	13	13	230000	230000	22 U	20 U	220	210	9000
CB12	01/26/10		3800		20 U		20 U		26		8 U		14		74000		20 U		130	
CB12	03/09/10		10000		20 U		20 U		49		8 U		10 U		110000		20		87	
CB12	10/04/10	74000	79000	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	280	300	290000	300000	140	150	4600	4900	120000
CB12	03/14/11	2100	2600	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	11	36000	36000	22 U	20 U	190	190	2500
CB12	04/05/11	1600	2400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	68000	67000	22 U	20 U	200	190	1500
CB12	08/15/11	18000	30000	22 U	20 U	22 U	20 U	66	130	9 U	8 U	200	200	330000	340000	22 U	34	2400	2400	22000
CB12	08/29/11	160	2600	0.46 U	0.85 J B	0.29 U	0.29 U	28 ^	33 ^	0.045 U	0.14 J	34 ^	34	340000 B	330000	1.4 J	4.4	670 ^	690 ^ B	110 ^
CB12	09/07/11	5000	9300	22 U	20 U	22 U	20 U	27	47	9 U	8 U	62	58	210000	200000	22 U	20 U	1300	1300	2200
CB12	10/03/11	1800	3500	22 U	20 U	22 U	20 U	31	34	9 U	8 U	64	66	340000	350000	22 U	20 U	1400	1400	1400
CB12	12/12/11	120 U	8600	22 U	20 U	22 U	20 U	23	88	9 U	8 U	12	17	330000	320000	22 U	20 U	260	280	45 U
CB11	12/07/09	11000	11000	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	14	14	50000	51000	22 U	20 U	230	230	8900
CB11	01/12/10		12000		20 U		20 U		20 U		8 U		14		70000		20 U		250	
CB11	01/26/10		4000		20 U		20 U		20 U		8 U		14		76000		20 U		240	
CB11	02/10/10		10000		20 U		20 U		22		8 U		11		71000		20 U		200	
CB11	03/09/10		3500		20 U		20 U		20 U		8 U		10 U		65000		20 U		150	
CB11	04/05/10	3500	4500	110 U	100 U	220 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	57000	58000	67 U	30 U	140	150	4000
CB11	05/04/10		1800		400 U		1600 U		120 U		40 U		120 U		72000		120 U		120 U	
CB11	06/07/10	2900	7100	450 U	200 U	1100 U	1000 U	130 U	60 U	45 U	20 U	130 U	60 U	120000	140000	130 U	60 U	300	270	5300
CB11	10/04/10	120 U	2300	22 U	20 U	22 U	20 U	22 U	33	9 U	8 U	11 U	10 U	93000	100000	22 U	20 U	130	150	1500
CB11	03/14/11	980	2100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	50000	54000	22 U	20 U	190	180	1900
CB11	04/05/11	120 U	1900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	57000	70000	22 U	20 U	22 U	26	23
CB11	07/12/11	1200	11000	22 U	20 U	22 U	20 U	55	54	9 U	8 U	84	90	470000	480000	22 U	20 U	2300	2500	21000
CB11	08/15/11	120 U	7100	22 U	20 U	22 U	20 U	27	75	9 U	8 U	12	12	110000	110000	22 U	20 U	270	300	230
CB11	09/07/11	120 U	1200	22 U	20 U	22 U	20 U	25	31	9 U	8 U	17	19	280000	280000	22 U	20 U	650	750	22 U
CB11	11/15/11	120 U	140	22 U	20 U	22 U	20 U	23	25	9 U	8 U	11 U	10 U	96000	96000	22 U	20 U	120	120	22 U
CB05	01/04/05	8670	9630	60 U	60 UJ	10 UJ	10 U	9.6	11	0.34 UJ	R	9.5 J	9 J	147000	152000	10.2	11.8	163	168	5670

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB06	05/04/10	730		6700		400 U		26000		610						240 U		20000 U		800 U		120 U
CB06	06/07/10	890	2600	8200	220 U	400 U	40000	38000	1200	1200					270 U	120 U	13000	13000	450 U	400 U	67 U	60 U
CB06	08/16/10	170	180 U	6500	90 U	80 U	47000	49000	1100	1200					90 U	80 U	16000	18000	180 U	160 U	45 U	40 U
CB06	09/08/10	250		39000		40 U		110000		1600						40 U		38000		40 U		20 U
CB06	10/04/10	2400	410	8500	22 U	20 U	15000	15000	910	920					75	77	6900	7600	22 U	40 U	11 U	10 U
CB06	11/03/10	280		3800		40 U		36000		550						20 U		13000		20 U		10 U
CB06	12/06/10	100	26000	35000	22 U	20 U	21000	22000	900	980					22 U	20 U	7000	7700	22 U	20 U	11 U	10 U
CB06	03/14/11	330	13000	20000	22 U	20 U	14000	14000	670	670					22 U	20 U	4500	4600	22 U	20 U	11 U	10 U
CB06	04/04/11	170	22000	41000	22 U	20 U	20000	20000	890	890					22 U	20 U	6400	6300	45 U	40 U	11 U	10 U
CB06	05/10/11	120	45 U	3100	22 U	20 U	15000	15000	320	340					22 U	20 U	5900	6100	22 U	20 U	11 U	10 U
CB06	07/12/11	90	45 U	4400	22 U	20 U	59000	63000	920	990					22 U	20 U	19000	20000	22 U	20 U	11 U	10 U
CB06	08/16/11	2600	1700	11000	22 U	20 U	22000	22000	2100	2200					130	140	8600	9500	45 U	20 U	11 U	10 U
CB06	08/29/11	180 ^	720	9800 ^ B	0.15 U	1.2 ^	11000	9800	380 ^ B	390 ^			1.6 U	1.6 U	6.5	10 ^	4700	4700	0.66 J	0.7 J	0.1 ^ U	0.1 ^ U
CB06	09/06/11	360	56	4100	22 U	20 U	12000	13000	610	680					26	30	5000	6000	22 U	20 U	11 U	10 U
CB06	10/03/11	230	3300	20000	22 U	20 U	13000	13000	790	850					22 U	20 U	5600	6000	22 U	20 U	11 U	10 U
CB06	11/15/11	110	24000	43000	22 U	20 U	32000	33000	1100	1100					22 U	20 U	9900	10000	22 U	20 U	11 U	10 U
CB06	12/13/11	170	40000	61000	22 U	20 U	31000	32000	1400	1400					22 U	20 U	8600	9100	22 U	20 U	11 U	10 U
CB06	04/10/12	54	14000	48000 J2	22 U	20 U	22000	23000	840	900					22 U	20 U	6100	6700	45 U	40 U	11 U	10 U
CB06	06/05/12	83	45 U	2100	22 U	20 U	9800	9800	290	290					22 U	20 U	5700	5600	22 U	20 U	11 U	10 U
CB06	08/13/12	66	130	14000	22 U	20 U	24000	26000	830	1100					22 U	21	20000	22000	45 U	40 U	11 U	10 U
CB06	10/09/12	63	700	14000	22 U	20 U	18000	20000	810	870					22 U	20 U	8200	8600	22 U	40 U	11 U	10 U
CB06	12/03/12	62	13000	24000	22 U	20 U	22000	22000	860	880					22 U	20 U	8600	8800	22 U	20 U	11 U	10 U
CB06	03/26/13	28	26000	26000	22 U	20 U	22000	22000	720	730					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB06	06/10/13	36	1000	1300	22 U	40 U	8700	9000	130	120					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB06	08/12/13	20 U	45 U	420	22 U	20 U	12000	12000	88	92					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB06	10/23/13	20 U	130 U	710	67 U	20 U	22000	19000	200	180					67 U	20 U	3400 U	1000 U	45 U	40 U	34 U	10 U
CB06	10/29/13	20 U	1300	44	22 U	20 U	21000	22000	200	210					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	20 U
CB06	12/03/13	30	8500	16000	22 U	20 U	21000	21000	600	600					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB14	08/14/12	32	7900	11000	22 U	20 U	6800	6600	1800	1800					22 U	20 U	8800	8800	45 U	40 U	11 U	10 U
CB14	10/09/12	410	50	8300	22 U	20 U	4300	6900	390	520					22 U	20 U	3700	5200	22 U	40 U	11 U	10 U
CB14	12/04/12	110	190	580	22 U	20 U	4700	4500	210	200					22 U	20 U	3400	3100	22 U	40 U	11 U	10 U
CB13	08/29/11	4000 ^	1300	4900 ^ B	0.31 J	0.6 J ^	7900	7100	370 ^ B	360 ^			1.6 U	1.6 U	31	31 ^	6200	5900	0.67 J	0.83 J	0.1 ^ U	0.1 ^ U
CB13	03/06/12	340	49000	100000	22 U	27	9000	24000	4800	5900					22 U	69	18000	28000	22 U	20 U	11 U	10 U
CB13	04/10/12	21	27000	44000 J2	22 U	20 U	12000	12000	6900	6700					22 U	20 U	16000	17000	45 U	40 U	11 U	10 U
CB13	06/05/12	29	11000	22000	45 U	20 U	12000	11000	4600	4300					45 U	20 U	15000	15000	45 U	20 U	22 U	10 U
CB13	08/14/12	20 U	6000	13000	22 U	20 U	14000	14000	6400	6400					22 U	20 U	25000	25000	45 U	40 U	11 U	10 U
CB12	12/07/09	9000	8500	87000	22 U	20 U	44000	44000	10000	10000					72	71			22 U	20 U	11 U	10 U
CB12	01/26/10	2100		8900		20 U		5700		1300						31		3500		40 U		10 U
CB12	03/09/10	440		27000		20 U		11000		1300						39		4200		20 U		10 U
CB12	10/04/10	120000	210000	220000	90 U	80 U	90000	96000	9900	11000					860	910	7000	7400	90 U	80 U	45 U	40 U
CB12	03/14/11	2800	17000	24000	22 U	20 U	4300	4300	440	450					38	39	1600	1500	22 U	20 U	11 U	10 U
CB12	04/05/11	1800	17000	25000	22 U	20 U	7600	7500	940	930					42	41	2200	2400	22 U	20 U	11 U	10 U
CB12	08/15/11	24000	33000	83000	22 U	28	44000	48000	9400	9900					560	580	12000	17000	45 U	23	11 U	10 U
CB12	08/29/11	630 ^	4000	20000 ^ B	0.15 U	2.4 ^	39000	37000	6900 ^ B	7200 ^			1.6 U	1.6 U	210	220 ^	9400	8900	6.9	6.6	0.1 ^ U	0.1 ^ U
CB12	09/07/11	2400	89000	100000	22 U	20 U	49000	49000	12000	12000					430	410	11000	12000	22 U	20 U	11 U	10 U
CB12	10/03/11	1500	73000	82000	22 U	20 U	59000	61000	14000	14000					430	450	19000	20000	22 U	20 U	11 U	10 U
CB12	12/12/11	600	45 U	30000	22 U	25	50000	52000	4400	4500					69	86	13000	16000	22 U	20 U	11 U	10 U
CB11	12/07/09	8800	8200	8500	22 U	20 U	10000	10000	830	850					54	54			22 U	20 U	11 U	10 U
CB11	01/12/10	9000		15000		20 U		14000		990						56		4200		40 U		10 U
CB11	01/26/10	5600		6100		20 U		8600		1200						50		3000		40 U		10 U
CB11	02/10/10	7000		8400		20 U		13000		1300						48		3900		20 U		10 U
CB11	03/09/10	4200		6500		20 U		9000		1000						34		3100		20 U		10 U
CB11	04/05/10	4200	1800	5900	220 U	100 U	7600	8000	830	860					67 U	60 U			220 U	200 U	34 U	30 U
CB11	05/04/10	2300		5000		400 U		9000		960						240 U		20000 U		800 U		120 U
CB11	06/07/10	4900	15000	12000	900 U	400 U	16000	17000	1600	2800					270 U	240 U	22000 U	10000	900 U	400 U	130 U	60 U
CB11	10/04/10	2600	380	6300	22 U	20 U	7100	8600	890	1000					63	73	4700	5800	22 U	20 U	11 U	10 U
CB11	03/14/11	2100	13000	16000	22 U	20 U	4700	4700	510	490					38	38	1800	1700	22 U	20 U	11 U	10 U
CB11	04/05/11	370	190	5600	22 U	20 U	2800	3400	290	320					22 U	20 U	1600	2200	22 U	20 U	11 U	10 U
CB11	07/12/11	26000	710	1900	22 U	20 U	50000	51000	12000	13000					490	550	13000	13000	22 U	20 U	11 U	10 U
CB11	08/15/11	1300	1900	33000	22 U	20 U	7100	9500	2700	2800					76	90	2400	5500	45 U	20 U	11 U	10 U
CB11	09/07/11	50	51000	75000	22 U	20 U	29000	32000	13000	15000					280	330	17000	17000	22 U	20 U	11 U	10 U
CB11	11/15/11	20 U	45 U	230	22 U	20 U	11000	11000	1600	1600					39	40	3900	4100	22 U	20 U	11 U	10 U
CB05	01/04/05	5830 J	128000	137000	10 U	10 UJ	49000	51600	2460	2510	0.2 U	0.2 U			42.2	43.3	11800	12600	35 U	35 U	10 UJ	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB06	05/04/10		20000 U			470000		800 U		120 U		210
CB06	06/07/10	11000 U	10000 U			780000	900 U	400 U	67 U	60 U	310 J	310
CB06	08/16/10	7500	8200			1100	90 U	80 U	45 U	40 U	100	170
CB06	09/08/10		14000			2000000		40 U		25		120
CB06	10/04/10	4000	4100			360000	22 U	20 U	11 U	10 U	620	630
CB06	11/03/10		7400			890000		20 U		10 U		130
CB06	12/06/10	5000	5400			410000	22 U	20 U	11 U	10 U	64	78
CB06	03/14/11	3600	3700			390000	45 U	40 U	22 U	20 U	250	270
CB06	04/04/11	5200	4900			330000	45 U	40 U	22 U	20 U	110	140
CB06	05/10/11	5100	5300			310000	22 U	20 U	22 U	20 U	32	55
CB06	07/12/11	11000	11000			1100000	22 U	20 U	56 U	50 U	24	40
CB06	08/16/11	5800	5700			470000	22 U	40 U	56 U	50 U	1700	1900
CB06	08/29/11	3700 B	3300	170 ^ B	160 ^	220000	0.1 U	0.1 U	1.1 J	3.6 J	41 ^	78 ^
CB06	09/06/11	4400	5300			260000	22 U	20 U	22 U	20 U	110	200
CB06	10/03/11	5300	5500			240000	22 U	20 U	56 U	50 U	73	130
CB06	11/15/11	6900	7100			530000	22 U	20 U	22 U	20 U	42	61
CB06	12/13/11	5600	5800			500000	22 U	20 U	56 U	20 U	70	89
CB06	04/10/12	5400	5700			370000	22 U	20 U	22 U	20 U	22 U	31
CB06	06/05/12	5900	5600			260000	22 U	20 U	22 U	20 U	22 U	35
CB06	08/13/12	15000	15000			720000	22 U	20 U	22 U	21	22 U	46
CB06	10/09/12	7200	7100			380000	22 U	40 U	22 U	20 U	22 U	30
CB06	12/03/12	8800	8700			360770	22 U	20 U	22 U	20 U	22 U	38
CB06	03/26/13	1100 U	1000 U			310000	22 U	20 U	22 U	20 U	28	30
CB06	06/10/13	1100 U	1000 U				22 U	20 U	22 U	20 U	27	26
CB06	08/12/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB06	10/23/13	3400 U	1000 U			600000	67 U	20 U	67 U	20 U	67 U	20 U
CB06	10/29/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB06	12/03/13	1100 U	1000 U			330000	22 U	20 U	22 U	20 U	23	34
CB14	08/14/12	3800	3900				22 U	20 U	22 U	20 U	22 U	29
CB14	10/09/12	2700	3100				22 U	40 U	22 U	20 U	22 U	73
CB14	12/04/12	3300	3200				22 U	20 U	22 U	20 U	39	43
CB13	08/29/11	5200 B	4800	240 ^ B	230 ^		0.1 U	0.1 U	1.1 J	0.3 U	910 ^	790 ^
CB13	03/06/12	7100	8800				22 U	20 U	22 U	75	56	460
CB13	04/10/12	10000	9700				22 U	20 U	22 U	20 U	700	1400
CB13	06/05/12	9600	9700				45 U	20 U	45 U	20 U	45 U	250
CB13	08/14/12	13000	13000				22 U	20 U	22 U	20 U	23	88
CB12	12/07/09						22 U	20 U	11 U	10 U	2200	2100
CB12	01/26/10		1900					20 U		10 U		740
CB12	03/09/10		1000 U					20 U		16		660
CB12	10/04/10	7000	7500				90 U	80 U	45 U	40 U	31000	33000
CB12	03/14/11	1200	1200				45 U	40 U	22 U	20 U	2100	2100
CB12	04/05/11	1100 U	1000 U				22 U	20 U	22 U	20 U	2100	2100
CB12	08/15/11	6100	6200				22 U	40 U	56 U	50 U	13000	14000
CB12	08/29/11	3100 B	2900	510 ^ B	470 ^		0.1 U	0.12 J	1.6 J	2.6 J	2400 ^	2300 ^
CB12	09/07/11	4000	4300				22 U	20 U	22 U	20 U	6800	6500
CB12	10/03/11	6600	6800				22 U	40 U	56 U	50 U	6400	6500
CB12	12/12/11	6800	7200				22 U	20 U	22 U	31	350	870
CB11	12/07/09						22 U	20 U	11 U	10 U	1800	1800
CB11	01/12/10		3900					20 U		10 U		2000
CB11	01/26/10		2900					20 U		10 U		1300
CB11	02/10/10		3800					20 U		10 U		1600
CB11	03/09/10		2700					20 U		10 U		890
CB11	04/05/10						220 U	200 U	34 U	30 U	840	860
CB11	05/04/10		20000 U					800 U		120 U		640
CB11	06/07/10	22000 U	10000 U				900 U	800 U	130 U	60 U	1500	1400
CB11	10/04/10	4900	5900				22 U	20 U	11 U	10 U	450	540
CB11	03/14/11	1300	1300				45 U	40 U	22 U	20 U	2000	1800
CB11	04/05/11	1100 U	1100				22 U	20 U	22 U	20 U	63	140
CB11	07/12/11	11000	13000				22 U	20 U	56 U	50 U	6400	6900
CB11	08/15/11	1100 U	2100				22 U	40 U	56 U	50 U	770	990
CB11	09/07/11	18000	14000				22 U	20 U	22 U	20 U	2300	2900
CB11	11/15/11	1500	1600				22 U	20 U	22 U	20 U	130	140
CB05	01/04/05	6610	6270 J				8.9 J	9.2 J	3.9	3.5	1350	1410

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB05	02/28/05	6940	7390	60 UJ	60 UJ	10 U	10 UJ	12.3	11.7	0.17 UJ	0.19 UJ	5.5 UJ	4.7 UJ	299000	289000	4.1 UJ	6.5 UJ	135	131	3500
CB05	04/04/05	8050	12000	60 UJ	60 U	10 U	10 UJ	12.2	40.5	0.2	0.33 UJ	13.5	13.4 J	51700	48500	16.9	24.3	204	196	7350
CB05	06/06/05	6970	7180	60 UJ	60 UJ	10 UJ	10 U	14	14.8	0.29 UJ	0.24 UJ	9.5 J	9.7 J	209000	218000	8.5 UJ	10 UJ	146	149	4360
CB05	08/01/05	902	1180	35.8	19.3 U	10 UJ	30 U	14.9 UJ	3.1 U	5 U	5 U	25.7 UJ	2.9 UJ	440000	445000	10 UJ	9.7 UJ	48.5	36.9	142
CB05	10/03/05	1560	1930	8.9 UJ	9 UJ	10 U	10 U	5.5 U	4.6 UJ	0.092 UJ	0.11 UJ	5.5 UJ	2.3	407000	415000	2.8 UJ	4.7 UJ	42.4	42.3	299
CB05	12/05/05	13800 J	13300 J	60 UJ	60 UJ	10 UJ	10 UJ	8.3 J	9.9 J	0.46 UJ	0.37 UJ	15.1 J	14.1 J	106000 J	99000 J	23.4 J	18.7 J	259 J	251 J	9650 J
CB05	02/13/06	11800	12700	60 U	60 U	10 U	10 U	6.5 UJ	13.7 J	0.32 UJ	0.29 UJ	12.1	14.4 J	147000	146000	15.8 J	13.3	219	222	7520
CB05	04/03/06	8160	10300	60 U	60 U	4.8 UJ	10 U	11.8	31.6	0.24 UJ	0.35 UJ	10.5 J	10 J	135000	130000	8.1 UJ	8.8	152	149	4910
CB05	08/07/06	10800	10400	60 U	60 UJ	6.5 UJ	R	20.8 J	16.5	0.37 UJ	0.4 UJ	6.9 UJ	10.2	248000	243000	1.7	10.2 UJ	194	177	5240
CB05	10/16/06	7790	7710	14.7 J	15 J	R	R	16.2	17.6	0.35 UJ	0.25 UJ	9.5 J	9 J	272000	270000	5.8 UJ	4.1 UJ	131	127	3820
CB05	04/09/07	10500	10800	60 UJ	60 U	R	R	3.9 UJ	4.1 J	0.39 UJ	0.29 UJ	15.1 J	14.1 J	109000	113000	7.4	4.9 J	216	216	6910
CB05	06/11/07	5120	5870	60 UJ	60 UJ	R	R	200 UJ	4.4 J	0.24 UJ	0.23 UJ	4.9 UJ	1.7 UJ	257000	258000	10 U	10 U	90.8	88.1	1990
CB05	07/16/07	1770	1900	60 UJ	24.6	R	10 U	200 UJ	30.1	5 U	0.2 UJ	15.9 UJ	24.3 UJ	393000	379000	10 U	10 U	42.4	57.1 J	339 J
CB05	10/02/07	2580	3320	60 UJ	13.6 J	10 UJ	10 U	29.8	7 J	5 U	0.41 UJ	5.7 UJ	7 UJ	377000	380000	10 UJ	10 U	83.9	72.3	613
CB05	10/04/07		3900		20 U		40 U		40 U		16 U		20 U		370000		40 U		86	
CB05	11/08/07		10000		10 U		20 U		20 U		8 U		11		130000		20 U		200	
CB05	12/04/07	8110	8110	60 U	6.7 J	10 U	10 UJ	6 J	12.7	0.14 UJ	0.23 UJ	12.8 J	9 J	144000	142000	3.7	5.7 UJ	153	149	5750
CB05	02/14/08		6200		20 U		20 U		20 U		8 U		10 U		100000		20 U		110	
CB05	03/12/08		9300		10 U		20 U		20 U		8 U		12		72000		20 U		210	
CB05	04/07/08	9190	10100	60 U	60 U	10 U	10 U	8.4	12.1	0.21 UJ	0.26 UJ	13.5 J	13.9 J	64700	66200	15.4	19.4	202	220	7130
CB05	05/20/08		4720		60 U		10 U		18.2 J		0.11 UJ		5.8 UJ		180000		10 U		105	
CB05	06/10/08		3900		60 U		60 U		60 U		24 U		30 U		270000		60 U		110	
CB05	07/23/08	3910	3890	60 U	60 U	6.2 J	10 U	26.8 J	25.8	0.16 UJ	0.12 UJ	2 UJ	7.6 UJ	329000	331000	10 U	10 UJ	100	97.6	1780
CB05	08/18/08		12000		20 U		20 U		20 U		8 U		12		170000		20 U		230	
CB05	09/09/08		24000		20 U		20 U		20 U		8 U		13		140000		20 U		220	
CB05	10/06/08	4310	6760	60 U	60 U	10 U	10 U	17	18	0.19 UJ	0.18 UJ	7.3	7.2	203000	208000	10 U	4	126	128	2890
CB05	11/19/08		10000		30 U		60 U		60 U		24 U		30 U		130000		60 U		190	
CB05	12/15/08	6420	7290	60 U	60 U	10 U	10 U	200 U	200 U	5 U	5 U	7.6	7.7	85000	86700	5.7 J	10 U	124	122	4770
CB05	02/10/09		3500		20 U		20 U		20 U		8 U		10 U		180000		20 U		69	
CB05	03/17/09		15000		60 U		60 U		60 U		24 U		30 U		92000		60 U		250	
CB05	04/08/09	6820 J	6950	60 U	60 U	10 U	10 U	13.4 J	17.7 J	5 U	5 U	9.8	8.5	61900 J	51400	11.6	11.9	156	129	5910
CB05	05/12/09		4900		20 U		20 U		20 U		8 U		10 U		88000		20 U		94	
CB05	06/09/09		5500		20 U		20 U		20 U		8 U		10 U		67000		20 U		88	
CB05	07/27/09	6600	10800	60 U	60 U	10 U	10 U	22.9 J	40.8 J	5 U	0.38 J	8.6	8.8	82900	83600	3.5 J	9.3 J	136	137	3650
CB05	08/11/09		9000		20 U		20 U		24		8 U		12		88000		20 U		180	
CB05	09/08/09		6300		20 U		20 U		23		8 U		10 U		200000		20 U		150	
CB05	10/14/09	6700	8550	60 U	60 U	10 U	10 U	14 J	16.4 J	0.31 J	5 U	10.7	10.8	132000	132000	0.6 J	7.8 J	156	162	5750
CB05	11/10/09		9700		20 U		20 U		20 U		8 U		13		120000		20 U		210	
CB05	12/07/09	4790	5520	60 U	60 U	10 U	10 U	15.1 J	15.3 J	5 U	5 U	7.2	6.9	97600	97400	10 U	5.1 J	117	116	4250
CB05	03/09/10		3800		20 U		20 U		22		8 U		10 U		86000		20 U		60	
CB05	04/05/10	200 U	1590	60 U	60 U	10 U	10 U	14 J	11 J	5 U	5 U	3.3 J	1.6 J	117000	126000	10 U	10 U	63.2	60.1	780 J
CB05	05/04/10		1600		400 U		1600 U		120 U		40 U		120 U		94000		120 U		120 U	
CB05	06/07/10	600	1900	220 U	200 U	900 U	800 U	67 U	60 U	22 U	20 U	67 U	60 U	210000	210000	67 U	60 U	94	96	670
CB05	08/16/10	490 U	2100	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	190000	190000	90 U	80 U	90 U	80 U	90 U
CB05	09/08/10		1000		20 U		20 U		34		8 U		10 U		290000		20 U		20 U	
CB05	10/04/10	120 U	3100	22 U	20 U	22 U	20 U	27	39	9 U	8 U	11 U	10 U	92000	96000	22 U	20 U	160	170	2200
CB05	11/03/10		580		20 U		20 U		20 U		8 U		10 U		89000		20 U		32	
CB05	12/06/10	120 U	370	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	84000	89000	22 U	20 U	22 U	20 U	22 U
CB05	01/18/11	120 U	430	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	190000	190000	22 U	20 U	22 U	20 U	22 U
CB05	02/07/11	120 U	470	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	220000	230000	22 U	20 U	22 U	20 U	22 U
CB05	03/14/11	120 U	790	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	77000	77000	22 U	20 U	46	46	100
CB05	04/04/11	120 U	550	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	100000	99000	22 U	20 U	28	27	28
CB05	05/10/11	240 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	63000	63000	22 U	20 U	22 U	20 U	22 U
CB05	07/12/11	120 U	190	22 U	20 U	22 U	20 U	36	39	9 U	8 U	11 U	10 U	210000	230000	22 U	20 U	22 U	20 U	22 U
CB05	08/16/11	120 U	4100	22 U	20 U	22 U	20 U	36	44	9 U	8 U	21	21	130000	140000	22 U	20 U	360	370	960
CB05	08/29/11	4.6 J	2900	0.46 U	0.46 U	0.29 U	0.29 U	16 ^	37 ^	0.045 U	0.13 J	0.67 J ^	0.96 J	53000 B	55000	1.1 J	5.1	12 ^	17 ^B	15 ^
CB05	09/06/11	120 U	1100	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	79000	87000	22 U	20 U	56	63	22 U
CB05	10/03/11	120 U	900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	62000	64000	22 U	20 U	31	32	22 U
CB05	11/15/11	120 U	400	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	140000	140000	22 U	20 U	22 U	20 U	22 U
CB05	12/13/11	120 U	460	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	22 U	20 U	45 U
CB05	04/10/12	120 U	350	22 U	40 U	22 U	40 U	22 U	40 U	9 U	16 U	11 U	20 U	130000	130000	22 U	40 U	22 U	40 U	22 U
CB05	06/05/12	120 U	440	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	69000	71000	22 U	20 U	22 U	20 U	22 U
CB05	08/13/12	250 U	1400	45 U	20 U	45 U	20 U	45 U	45	18 U	8 U	22 U	10 U	190000	190000	45 U	20 U	45 U	20 U	45 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB05	02/28/05	3440	301000	306000	10 UJ	10 U	109000	104000	4700	4700	0.2 UJ	0.2 U			38.8	37.9	23900	22900 J	14.5 J	11.2 UJ	10 U	10 U
CB05	04/04/05	6860	45600	65500	R	10 UJ	13000	13900	1050	1070	0.2 UJ	0.2 UJ			45.4	49.1	3150	5040	35 U	35 U	10 U	10 UJ
CB05	06/06/05	4400	211000	223000	10 UJ	R	72900	76300	3440	3540	0.2 U	0.2 U			39.3	41.5	18100	17100	35 U	12.9 UJ	10 U	10 U
CB05	08/01/05	213	584000	556000	10.4 U	30 U	173000	175000	6830	7060	0.2 U	0.2 U			17.5 UJ	15.6	42600	42900 J	35 UJ	105 U	10 UJ	17
CB05	10/03/05	314	493000	521000	R	R	157000	164000	6550	6710	0.1 J	0.061 J			19.6 UJ	19.9	43000	40400	35 U	35 U	3.5 U	10 UJ
CB05	12/05/05	8980 J	104000 J	100000 J	R	10 UJ	34900 J	32200 J	1610 J	1490 J	0.2 UJ	0.2 UJ			58.7 J	56.7 J	7090 J	7390 J	35 UJ	35 UJ	10 UJ	10 UJ
CB05	02/13/06	7170	154000	155000	10 U	10 U	49700	49200	2360	2310	0.2 U	0.2 U			50.1	50	11700	10900	35 U	22.7 U	R	10 U
CB05	04/03/06	4780	135000	139000	R	6 J	44200	43300	2330	2300	0.2 U	0.2 U			39.8 J	40 J	9780	10400	35 UJ	35 U	10 U	10 U
CB05	08/07/06	5090	308000	302000 J	R	10 U	85600	85500	4500	4400	0.2 U	0.56 J			49.6 J	47.7 J	24700	21800	35 UJ	35 U	R	R
CB05	10/16/06	3740	409000	407000	10 UJ	10 UJ	102000	102000	5060	4940	0.12	0.2 U			36.7 J	35.5 J	24500	24000	35 U	35 U	5.8 J	5.6 J
CB05	04/09/07	7030	181000	184000	10 U	10 U	41100	43300	2330	2320	0.2 U	0.2 U			49.7 J	49.3 J	9300	7930	35 U	35 U	3 J	3 J
CB05	06/11/07	2060	472000	486000	42.2 UJ	72.7 UJ	107000	108000	5400	5350	0.13 J	0.083 J			25.6 J	27.5 J	24500	25000	35 UJ	35 U	4.5 J	3.1 J
CB05	07/16/07	326 J	831000	825000	8.8	R	178000	172000	8660	8640	0.2 U	0.2 UJ			19.1 UJ	16.6 UJ	40200	41700	35 U	35 UJ	7.1	10 U
CB05	10/02/07	646 J	727000	836000	R	10 UJ	163000	169000	8610	8620	0.2 U	0.2 UJ			34.4 J	28.1 UJ	39800	34100	35 UJ	14.1 UJ	10 UJ	6.3
CB05	10/04/07	840		390000		40 U		130000		7100						40 U		29000		40 U		20 U
CB05	11/08/07	7700		170000		20 U		49000		2700						47		11000		20 U		10 U
CB05	12/04/07	5650	195000	190000	10 U	R	55700	52300	2810	2770	0.2 U	0.2 U			37.1	38.5	12600 J	12600	24.1 U	35 U	R	10 UJ
CB05	02/14/08	3900		120000		20 U		36000		2000						30		7900		20 U		10 U
CB05	03/12/08	7400		83000		20 U		24000		1300						44		5000		20 U		10 U
CB05	04/07/08	7270	55800	63600	10 UJ	10 UJ	17100	19000	1050	1110	0.2 U	0.2 UJ			45.7	48.8	4250	4480	35 UJ	35 U	10 U	10 U
CB05	05/20/08	2970		208000		10 U		69000		3680						26.4		16800		35 U		10 UJ
CB05	06/10/08	2300		240000		60 U		98000		5400						60 U		23000		60 U		30 U
CB05	07/23/08	1700	261000	255000	10 UJ	10 UJ	118000	116000	5800	5570	0.2 U	0.2 UJ			29.6	26	28800	29000	35 UJ	35 UJ	1.2	1.9 U
CB05	08/18/08	8000		47000		20 U		53000		2500						56		14000		20 U		10 U
CB05	09/09/08	3000		30000		20 U		44000		2700						74				20 U		10 U
CB05	10/06/08	2950	37000	42300	10 UJ	10 UJ	55600	58800	2710	2800					31.5	32.7	15300	15600	35 U	35 U	10 UJ	10 UJ
CB05	11/19/08	6900		98000		60 U		44000		2300						60 U		10000		60 U		30 U
CB05	12/15/08	4850	47500	55300	10 U	10 UJ	27200	28800	1310	1260					29.1 J	28.8 J	6160	6760	35 U	35 U	10 UJ	10 UJ
CB05	02/10/09	2000		120000		20 U		61000		2800						20 U				20 U		10 U
CB05	03/17/09	9200		66000		60 U		28000		1500						60 U		6800		60 U		30 U
CB05	04/08/09	5020	34700	35300	10 U	1.6 J	17200 J	14700	954	857					33.7 J	29.4 J	3860 J	3750 J	35 U	35 U	10 U	5.4 J
CB05	05/12/09	3400		23000		20 U		21000		1000						24		6500		20 U		10 U
CB05	06/09/09	2900		12000		20 U		16000		700						25		4600		20 U		10 U
CB05	07/27/09	3520	4610	11100	10 U	9.5 J	18600	19800	1200	1250					37.8 J	41.9	5580	6530	35 U	35 U	10 U	10 U
CB05	08/11/09	6000		10000		20 U		21000		1200						43		7100		20 U		10 U
CB05	09/08/09	4500		43000		20 U		56000		2500						37		16000		20 U		10 U
CB05	10/14/09	6540	13600	19900	10 U	10 U	33900	35300	1580	1690					40.9	43.5	9360	9270	35 U	35 U	10 U	10 U
CB05	11/10/09	8000		22000		20 U		31000		1300						47		8600		20 U		10 U
CB05	12/07/09	4250	51700	57500	10 U	10 U	29000	30000	1580	1610					27.5 J	26.4 J	7190	7270	4.4 J	35 U	10 U	10 U
CB05	03/09/10	1500		41000		20 U		24000		1300						20 U		6700		20 U		10 U
CB05	04/05/10	1430	82800	103000	10 U	10 U	36800 J	39000	1910	2090					15.5 J	16.8 J	9070	9610	9.1 J	35 U	9 J	10 U
CB05	05/04/10	1100		11000		400 U		21000		940						240 U		20000 U		800 U		120 U
CB05	06/07/10	1300	10000	18000	220 U	400 U	53000	52000	2200	2200					270 U	120 U	14000	15000	450 U	400 U	67 U	60 U
CB05	08/16/10	160	3900	9900	90 U	80 U	44000	44000	1800	1900					90 U	80 U	14000	14000	180 U	160 U	45 U	40 U
CB05	09/08/10	120		20000		40 U		75000		2000						20 U		23000		20 U		10 U
CB05	10/04/10	3300	1100	7000	22 U	20 U	11000	12000	880	960					83	88	5600	6300	22 U	40 U	11 U	10 U
CB05	11/03/10	360		6500		40 U		21000		890						20 U		6600		20 U		10 U
CB05	12/06/10	80	47000	53000	22 U	20 U	25000	27000	1200	1300					22 U	20 U	7000	8100	22 U	20 U	11 U	10 U
CB05	01/18/11	46	110000	120000	22 U	20 U	64000	66000	2700	2800					22 U	20 U	16000	16000	22 U	20 U	11 U	10 U
CB05	02/07/11	30	130000	140000	22 U	20 U	73000	76000	3000	3100					22 U	20 U	19000	19000	45 U	40 U	11 U	10 U
CB05	03/14/11	410	25000	28000	22 U	20 U	17000	17000	810	840					22 U	21	5200	5200	22 U	20 U	11 U	10 U
CB05	04/04/11	150	37000	42000	22 U	20 U	24000	24000	1100	1100					22 U	20 U	6900	7000	45 U	40 U	11 U	10 U
CB05	05/10/11	59	3000	4500	22 U	20 U	13000	12000	460	460					22 U	20 U	4700	4600	22 U	20 U	11 U	10 U
CB05	07/12/11	23	16000	22000	22 U	20 U	50000	52000	2100	2200					22 U	20 U	17000	18000	22 U	20 U	11 U	10 U
CB05	08/16/11	2800	3600	10000	22 U	20 U	20000	21000	2200	2300					150	150	8700	9400	45 U	20 U	11 U	10 U
CB05	08/29/11	170 ^	12000	21000 ^ B	0.15 U	2.2 ^	10000	11000	620 ^ B	720 ^			1.6 U	1.6 U	7	12 ^	4500	5100	0.51 U	1 J	0.1 ^ U	0.1 ^ U
CB05	09/06/11	350	530	4400	22 U	20 U	11000	13000	720	810					27	32	5200	6100	22 U	20 U	11 U	10 U
CB05	10/03/11	240	2300	6200	22 U	20 U	9800	10000	700	730					22 U	20 U	4800	5200	22 U	20 U	11 U	10 U
CB05	11/15/11	61	74000	85000	22 U	20 U	39000	42000	1700	1800					22 U	20 U	12000	12000	22 U	20 U	11 U	10 U
CB05	12/13/11	120	69000	76000	22 U	20 U	36000	37000	1700	1800					22 U	20 U	9700	9800	22 U	20 U	11 U	10 U
CB05	04/10/12	40 U	74000	83000 J2	22 U	40 U	38000	40000	1600	1600					22 U	40 U	9700	11000	45 U	40 U	11 U	20 U
CB05	06/05/12	98	1400	3300	22 U	20 U	11000	11000	370	390					22 U	20 U	4500	4800	22 U	20 U	11 U	10 U
CB05	08/13/12	20	6400	12000	45 U	20 U	34000	34000	1200	1300					45 U	20 U	15000	16000	90 U	40 U	22 U	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB05	02/28/05	9820 J	9220 J				8.9 J	11.7 J	9.3 UJ	8.7 J	1110	1060
CB05	04/04/05	1770	2590 J				25 U	9.5 J	1.6	12	1920	1790
CB05	06/06/05	26600	7520 J				16.2	11.1 J	7.5 UJ	3	1280	1320
CB05	08/01/05	14500 J	16100 J				28.8 UJ	29	15.8 UJ	11.6 UJ	370 J	387
CB05	10/03/05	14600 J	14200 J				23.5	25.3	13.8 UJ	13.9 J	433	432
CB05	12/05/05	4320 J	4700 J				8.1 J	25 UJ	2.4 UJ	50 UJ	2440 J	2340 J
CB05	02/13/06	5460 J	5070 J				10.3 J	6.7 J	8.7 UJ	3.4 UJ	2060	2070
CB05	04/03/06	5280 J	4840 J				8.4 J	25 U	3.4 UJ	4.2	1310	1270
CB05	08/07/06	9940 J	8910 J				8 J	25 U	50 UJ	2.2	1680	1620
CB05	10/16/06	9730 J	10800 J				8.2 J	25 U	9.2	11 UJ	1200	1180
CB05	04/09/07	4680 J	3990 J				25 U	25 U	50 UJ	50 UJ	2060	2090
CB05	06/11/07	9200 J	10100 J				7.5 U	25 U	5.8	3.9	909	907
CB05	07/16/07	14100 J	14500 J				25 U	22.9	50 UJ	11.7	443	435
CB05	10/02/07	13200 J	11600 J				25 U	25 U	9.1	2.8 J	602	614
CB05	10/04/07		12000					40 U		20 U		600
CB05	11/08/07		6000					20 U		10 U		1700
CB05	12/04/07	6260 J	6030 J				25 U	3.8 UJ	50 UJ	2.2 UJ	1350	1240
CB05	02/14/08		4300					20 U		10 U		970
CB05	03/12/08		3200					40 U		10 U		1800
CB05	04/07/08	2660 J	2590 J				25 U	25 U	0.32 UJ	2.1 J	1820	2000
CB05	05/20/08		6260 J					25 U		50 UJ		888
CB05	06/10/08		9600					60 U		30 U		830
CB05	07/23/08	10500 J	10700 J				25 U	25 U	1.9 UJ	4.2 UJ	760	727
CB05	08/18/08		7400					20 U		10 U		2000
CB05	09/09/08							20 U		10 U		1900
CB05	10/06/08	7590 J	7670 J				25 U	25 U	50 U	50 U	980	1030
CB05	11/19/08		5700					60 U		30 U		1600
CB05	12/15/08	3800 J	3900 J				25 U	25 U	50 U	50 U	1020	1030
CB05	02/10/09							20 U		10 U		510
CB05	03/17/09		4500					60 U		30 U		2200
CB05	04/08/09	2630 J	2360 J				25 U	25 U	50 U	50 U	1360	1170
CB05	05/12/09		4100					20 U		10 U		790
CB05	06/09/09		3100					20 U		10 U		760
CB05	07/27/09	3050 J	3450 J				25 U	25 U	50 U	6.5 J	1180	1220
CB05	08/11/09		4400					20 U		10 U		1500
CB05	09/08/09		8100					20 U		10 U		1200
CB05	10/14/09	4970 J	5380				4.2 J	25 U	50 U	50 U	1440	1510
CB05	11/10/09		5400					20 U		50 U		1900
CB05	12/07/09	4040 J	4150 J				25 U	25 U	5.9 J	50 U	951	949
CB05	03/09/10		3100					20 U		10 U		370
CB05	04/05/10	4240 J	4500 J				25 U	25 U	50 U	50 U	346	344
CB05	05/04/10		20000 U					800 U		120 U		270
CB05	06/07/10	11000 U	10000 U				900 U	400 U	67 U	60 U	420 J	450
CB05	08/16/10	6800	6700				90 U	80 U	45 U	40 U	130	240
CB05	09/08/10		9800					20 U		10 U		61
CB05	10/04/10	3200	3400				22 U	20 U	11 U	10 U	670	720
CB05	11/03/10		3400					20 U		10 U		160
CB05	12/06/10	3400	3800				22 U	20 U	11 U	10 U	56	65
CB05	01/18/11	6500	6800				22 U	20 U	22 U	20 U	40	47
CB05	02/07/11	7700	7700				22 U	20 U	22 U	20 U	45	47
CB05	03/14/11	2700	2800				45 U	40 U	22 U	20 U	340	350
CB05	04/04/11	3200	3400				45 U	40 U	22 U	20 U	140	150
CB05	05/10/11	2600	2600				22 U	20 U	22 U	20 U	23	34
CB05	07/12/11	9700	9700				22 U	20 U	56 U	50 U	22 U	27
CB05	08/16/11	4300	4200				22 U	40 U	56 U	50 U	1700	1800
CB05	08/29/11	2100 B	2000	160 ^ B	160 ^		0.1 U	0.1 J	0.87 J	5.4	39 ^	76 ^
CB05	09/06/11	2600	2900				22 U	20 U	22 U	20 U	97	180
CB05	10/03/11	2600	2700				22 U	20 U	56 U	50 U	67	110
CB05	11/15/11	5100	5400				22 U	20 U	22 U	20 U	29	40
CB05	12/13/11	4300	4400				22 U	20 U	56 U	20 U	72	84
CB05	04/10/12	4500	4700				22 U	80 U	22 U	40 U	22 U	40 U
CB05	06/05/12	3200	3200				22 U	20 U	22 U	20 U	23	41
CB05	08/13/12	6800	7000				45 U	20 U	45 U	20 U	45 U	20 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB05	10/09/12	120 U	4600	22 U	20 U	22 U	20 U	23	52	9 U	8 U	11 U	10 U	110000	110000	22 U	20 U	22 U	20 U	22 U
CB05	12/03/12	280	700	22 U	20 U	22 U	20 U	27	28	9 U	8 U	11 U	10 U	140000	140000	22 U	20 U	22 U	20 U	58
CB05	03/26/13	120 U	240	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	130000	130000	22 U	20 U	22 U	20 U	22 U
CB05	06/10/13	120 U	140	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	83000	85000	22 U	20 U	22 U	20 U	22 U
CB05	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	23	24	9 U	8 U	11 U	10 U	99000	110000	22 U	20 U	22 U	20 U	22 U
CB05	10/23/13	120 U	220 U	45 U	40 U	22 U	40 U	24	40 U	9 U	16 U	11 U	20 U	150000	150000	22 U	40 U	22 U	40 U	22 U
CB05	12/03/13	120 U	230	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	100000	100000	22 U	20 U	22 U	20 U	22 U
CB04	01/04/05	11600	11800	60 U	60 U	10 U	10 U	9.1	10.3	0.41	0.33	12.5	11.7	48400	49300	13.6	14	201	201	7550
CB04	02/28/05	13200	13200	60 U	60 U	10 U	10 U	12	11.4	0.41	0.38	12.4	12.2	94500	92900	11	10.8	219	213	7160
CB04	04/04/05	8610	9260	60 UJ	60 U	5.3 UJ	10 UJ	9.1	16.9	0.18	0.25 U	14.5	14	30200	28200	18.8	20.2	210	202	7820
CB04	06/06/05	11500	11900	60 U	60 U	10 UJ	10 U	16.6	17.4	0.44	0.44	13.9	14.4	68500	72400	11.7	12.3	219	227	7270
CB04	08/01/05	12900	13200	60 U	60 UJ	10 UJ	10 U	27.8	28.8	0.59 UJ	0.63 J	10.7 J	11.7 J	185000	188000	2.2 U	5.5 UJ	205	208	4060
CB04	10/03/05	5380	5650	60 UJ	60 U	10 U	10 U	23.3	23.3	0.29 UJ	0.33 UJ	6.6 J	6.7	137000	144000	2.8 UJ	2.9 UJ	125	130	1910
CB04	12/05/05	15900 J	15600 J	60 UJ	60 UJ	10 UJ	10 UJ	8.3 J	6.5 UJ	0.5 UJ	0.43 UJ	18.1 J	17.3 J	45900 J	44200 J	27.4 J	25.4 J	299 J	290 J	11100 J
CB04	02/13/06	14700	14600	60 U	60 U	10 U	10 U	6.3 UJ	6.5 U	0.34	0.36 U	16	16.8	53100	53000	22.7	22	277	275	9490
CB04	04/03/06	10200	9870	60 U	60 U	10 U	10 U	10	8.5 U	0.3	0.31 U	11.2	10.7	49400	47400	12.4	11.3	182	176	6220
CB04	08/07/06	18000	17800	60 U	60 U	10 U	R	12.6	12.6	0.68 J	0.67	17.1	17.6	97200	96300	18.5	21.3	335	324	9770
CB04	10/16/06	15200	14900	60 U	60 U	R	R	15.8	15.1	0.61	0.53	14.5	14.4	86500	85200	18.6	17	259	254	8250
CB04	04/09/07	12600	12900	60 U	60 U	R	R	7.2	6.1 J	0.39 U	0.32	16.2	16.2	45400	48000	18.7	15.4 J	258	262	8340
CB04	06/11/07	6150	6780	60 U	60 U	R	R	18.9	17.2	0.26	0.28	5.9	6.1	70900	72800	2.8 U	4 U	118	120	2790
CB04	07/16/07	1760	3660	60 U	60 U	R	5.4 J	21.9	19.4	0.17	0.28 U	5.6	5.4	111000	105000	10 U	2.8	106	105	1090
CB04	10/02/07	7950	9540	60 UJ	60 UJ	10 UJ	10 U	18.9	23.7 J	0.45 J	0.59 J	10.4 J	10.7 J	127000	127000	1.2	2.9 J	192	197	2710
CB04	12/03/07	11300	12200	60 U	60 U	10 U	10 UJ	9.8	9.2	0.28	0.41	12.8	13.1	37900	40900	12.8	14.9	215	223	8280
CB04	01/17/08		13000		10 U		20 U		20 U		8 U		14		39000		21		270	
CB04	02/14/08		7400		20 U		20 U		20 U		8 U		10 U		36000		20 U		140	
CB04	03/12/08		11000		10 U		20 U		20 U		8 U		15		34000		22		250	
CB04	04/07/08	9430	9960	60 U	60 U	10 U	10 U	5.6	7.9	0.21 J	0.24	13.3	13.8	37700	38900	16.8	20.8	205	224	7270
CB04	05/20/08		6500		60 U		10 U		12.1		0.2 J		9.3		45900		6.9		140	
CB04	06/10/08		8300		20 U		20 U		22		8 U		10 U		74000		20 U		200	
CB04	07/23/08	10000	9070	60 U	60 U	10 U	10 U	16.3	14.8	0.47	0.38	12.4	11.3	96600	85900	3.9	6	226	209	5030
CB04	08/18/08		16000		20 U		20 U		20 U		8 U		19		62000		20 U		350	
CB04	09/09/08		36000		20 U		20 U		20 U		8 U		19		71000		33		310	
CB04	10/06/08	9830	11100	60 U	60 U	10 U	10 U	13.9	14.8	0.33	0.36	11.3	11.4	73400	77100	4.2	9.3	194	199	4870
CB04	11/19/08		12000		10 U		20 U		20 U		8 U		12		40000		20 U		230	
CB04	12/15/08	6920	9900	60 U	60 U	10 U	2.7 J	200 U	200 U	5 UJ	5 U	8.2	8.3	32800	32800	6.5 J	20.5	126	126	5180
CB04	02/10/09		5400		20 U		20 U		20 U		8 U		10 U		47000		20 U		97	
CB04	03/17/09		18000		20 U		20 U		49		8 U		15		49000		32		250	
CB04	04/08/09	7840 J	7430	60 U	60 U	10 U	10 U	11 J	14.8 J	5 U	5 U	10.7	9.5	29400 J	25400	12.7	13.2	165	142	6580
CB04	05/12/09		5600		20 U		20 U		20 U		8 U		10 U		41000		20 U		100	
CB04	06/09/09		6400		20 U		20 U		20 U		8 U		10 U		41000		20 U		110	
CB04	07/27/09	5660	11700	60 U	60 U	10 U	10 U	25.3 J	49.1 J	5 U	0.3 J	8.9	9.4	63700	64600	10 U	12.8	142	145	4250
CB04	08/11/09		11000		20 U		20 U		24		8 U		13		54000		20 U		210	
CB04	09/08/09		9400		20 U		20 U		22		8 U		13		83000		20 U		210	
CB04	10/14/09	10700	11000	3.3 J	60 U	10 U	10 U	11.6 J	14.4 J	0.55 J	5 U	13.5	13.4	65700	63100	4.1 J	11.4	198	198	7790
CB04	11/10/09		11000		20 U		20 U		20 U		8 U		14		79000		20 U		230	
CB04	12/07/09	6330	6570	60 U	60 U	10 U	10 U	13.8 J	13.3 J	5 U	5 U	8	7.6	50900	49800	2.6 J	6.3 J	135	131	5190
CB04	01/12/10		7400		20 U		20 U		20 U		8 U		10 U		78000		20 U		120	
CB04	01/26/10		3000		20 U		20 U		20 U		8 U		10 U		62000		20 U		150	
CB04	02/10/10		5000		20 U		20 U		20 U		8 U		10 U		85000		20 U		100	
CB04	03/09/10		2200		20 U		20 U		20 U		8 U		10 U		68000		20 U		96	
CB04	04/05/10	200 U	1870	60 U	60 U	10 U	10 U	14.7 J	8.2 J	5 U	5 U	4.7 J	4.4 J	43500	39000	10 U	10 U	78.6	73.5	1530 J
CB04	05/04/10		2100		400 U		1600 U		120 U		40 U		120 U		49000		120 U		120 U	
CB04	06/07/10	450 U	2600	220 U	200 U	1100 U	1000 U	67 U	60 U	22 U	20 U	67 U	60 U	96000	93000	67 U	60 U	150	140	490
CB04	08/16/10	490 U	2400	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	130000	130000	90 U	80 U	160	170	90 U
CB04	09/08/10		1700		20 U		20 U		28		8 U		10 U		100000		20 U		54	
CB04	10/04/10	210	2900	22 U	20 U	22 U	20 U	27	20 U	9 U	8 U	11 U	10 U	84000	82000	22 U	20 U	190	190	4300
CB04	11/03/10		1100		20 U		20 U		20 U		8 U		10 U		42000		20 U		41	
CB04	12/06/10	120 U	1000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	28000	29000	22 U	20 U	22 U	20 U	40
CB04	01/18/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	48000	50000	22 U	20 U	22 U	20 U	22 U
CB04	02/07/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	66000	68000	22 U	20 U	22 U	20 U	22 U
CB04	03/14/11	120 U	410	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	42000	41000	22 U	20 U	53	51	390
CB04	04/04/11	120 U	270	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	44000	46000	22 U	20 U	28	29	160
CB04	05/10/11	240 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	32000	33000	22 U	20 U	22 U	20 U	48

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB05	10/09/12	140	1100	14000	22 U	20 U	19000	23000	920	1100					22 U	20 U	7900	9500	22 U	40 U	11 U	10 U
CB05	12/03/12	71	51000	52000	22 U	20 U	34000	34000	1500	1500					22 U	20 U	13000	12000	22 U	20 U	11 U	10 U
CB05	03/26/13	26	49000	54000	22 U	20 U	34000	34000	1300	1300					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB05	06/10/13	46	800	3100	22 U	40 U	11000	11000	230	230					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB05	08/12/13	20 U	1900	2200	22 U	20 U	15000	17000	340	370					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB05	10/23/13	40 U	8200	10000	22 U	40 U	27000	27000	660	650					22 U	40 U	1100 U	2000 U	45 U	80 U	11 U	20 U
CB05	12/03/13	33	19000	23000	22 U	20 U	20000	21000	650	670					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB04	01/04/05	7670 J	20800	22600	10 U	10 UJ	12800	13200	691	690	0.2 U	0.2 U			48	46.7	2860	3070	35 U	35 U	10 UJ	10 U
CB04	02/28/05	7100	21100	21200	10 UJ	10 U	23000	22600	1260	1260	0.2 UJ	0.2 U			55.5	53.4	4780	4430 J	35 UJ	35 U	10 U	10 U
CB04	04/04/05	7360	32100	42600	R	5.7 J	7700	7560	555	547	0.2 UJ	0.2 UJ			47	45.3	1750	2730	35 U	35 U	10 U	10 U
CB04	06/06/05	7450	13600	14700	10 UJ	R	15400	16500	905	936	0.2 U	0.2 U			54.1	56.9	4770	4700	35 U	35 U	10 U	10 U
CB04	08/01/05	4240	1890	2300	10 UJ	10 UJ	31700	33400	2830	2900	0.2 U	0.2 U			62.7	63.5	11200	11900 J	35 UJ	35 U	10 UJ	10 U
CB04	10/03/05	1970	1300	3160	R	R	23000	24400	1730	1800	0.2 UJ	0.2 U			40.5	42.3	9540	8820	35 U	35 U	10 U	10 UJ
CB04	12/05/05	10600 J	41600 J	39700 J	R	10 UJ	13900 J	13000 J	648 J	611 J	0.2 UJ	0.2 UJ			65.6 J	64.2 J	2490 J	2400 J	35 UJ	35 UJ	10 UJ	10 UJ
CB04	02/13/06	9150	44000	44500	10 U	10 U	15100	14900	802	781	0.2 U	0.2 U			60.2	59	2970	2820	35 U	35 U	R	10 U
CB04	04/03/06	6070	26300	25600	R	10 U	12300	11700	759	721	0.2 U	0.2 U			44.9	41.6	2590	2590	35 UJ	35 U	10 U	10 U
CB04	08/07/06	9580	46100	46300	R	10 U	26400	26700	1590	1620	0.2 U	0.2 U			78.8	78.4	7850	7110	35 UJ	35 U	R	R
CB04	10/16/06	8150	30400	30500	10 UJ	10 UJ	22400	22400	1290	1250	0.2 U	0.2 U			63.8	61.4	5950	5980	35 U	35 U	10 U	10 U
CB04	04/09/07	8560	42600	43900	10 U	10 U	12100	13000	605	614	0.2 U	0.2 U			55.7	58.1	2550	2320	35 U	35 U	10 U	10 U
CB04	06/11/07	3000	5650	9720	10 U	6.1 J	13600	14600	808	837	0.2 U	0.2 U			29.4	31.7	5120	5440	35 UJ	35 U	10 U	10 U
CB04	07/16/07	1070	865	3960	10 U	R	17300	16600	1470	1430	0.2 U	0.2 UJ			35.9	33	7780	8160	35 U	35 UJ	10 U	10 U
CB04	10/02/07	2840	4630	8270	R	10 UJ	22900	23000	1990	1990	0.2 U	0.2 UJ			58.1	61.5	7460	7240	10.6 J	35 UJ	10 UJ	10 U
CB04	12/03/07	8760	11400	13200	10 U	R	9220	9690	482	520	0.2 U	0.2 U			50.5	52.3	2150 J	2350	35 U	35 U	R	10 UJ
CB04	01/17/08	11000		22000		20 U		10000		540						58		2200		20 U		10 U
CB04	02/14/08	4800		7500		20 U		7000		430						33		2000		20 U		10 U
CB04	03/12/08	9100		29000		20 U		9200		460						53		1900		20 U		10 U
CB04	04/07/08	7440	25800	33000	10 UJ	10 UJ	7870	8540	478	487	0.2 U	0.2 UJ			45.2	47.8	1960	2170	35 UJ	35 U	10 U	10 U
CB04	05/20/08	4370		8780		4.6 J		8160		444						32.3		2820		35 U		10 UJ
CB04	06/10/08	5100		9900		20 U		13000		840						48		5100		20 U		10 U
CB04	07/23/08	4440	8410	11400	10 UJ	3.4 J	17700	16400	1420	1270	0.2 U	0.2 UJ			56.7	51.5	6880	6720	35 UJ	35 UJ	10 U	10 U
CB04	08/18/08	12000		16000		20 U		15000		1000						80		4000		20 U		10 U
CB04	09/09/08	3700		13000		20 U		24000		2400						110				20 U		10 U
CB04	10/06/08	4960	7020	10500	10 UJ	10 UJ	13700	14800	933	948					47.4	49.3	4810	4990	35 U	35 U	10 UJ	10 UJ
CB04	11/19/08	9000		16000		20 U		9800		540						53		2300		20 U		10 U
CB04	12/15/08	5260	6570	35300	10 U	11.6	6610	7860	398	415					31.5 J	33.5 J	1700 J	3680 J	35 U	35 U	10 UJ	10 U
CB04	02/10/09	3200		3400		20 U		7000		390						25				20 U		10 U
CB04	03/17/09	9300		40000		20 U		12000		700						61		3800		20 U		10 U
CB04	04/08/09	5610	15500	17200	10 U	2.4 J	6420 J	5750	322	307					36.2 J	31.7 J	1540 J	1650 J	35 U	35 U	10 U	10 U
CB04	05/12/09	3900		4300		20 U		6500		350						26		2600		20 U		10 U
CB04	06/09/09	4000		6100		20 U		6600		350						28		2600		20 U		10 U
CB04	07/27/09	4250	1970	8190	10 U	12 J	8630	10400	833	925					37.3 J	43.7	3580 J	4910 J	35 U	35 U	10 U	10 U
CB04	08/11/09	7300		4600		20 U		9700		910						51		4200		20 U		10 U
CB04	09/08/09	6700		6100		20 U		13000		1000						52		5400		20 U		10 U
CB04	10/14/09	8300	4170	9240	10 U	10 U	12200	11900	814	810					51.2	50.8	3630 J	3660 J	35 U	35 U	10 U	10 U
CB04	11/10/09	9000		20000		20 U		18000		920						50		5300		20 U		10 U
CB04	12/07/09	5020	6560	8800	10 U	10 U	10100	10100	720	707					32.2 J	31.3 J	3250 J	3180 J	35 U	35 U	10 U	10 U
CB04	01/12/10	4600		17000		20 U		17000		1000						28		5500		40 U		10 U
CB04	01/26/10	3100		6300		20 U		7500		960						32		3500		40 U		10 U
CB04	02/10/10	3500		15000		20 U		18000		1200						26		6100		20 U		10 U
CB04	03/09/10	2500		8500		20 U		11000		780						22		4200		20 U		10 U
CB04	04/05/10	1970	580	1030	10 U	10 U	5360 J	4790 J	527	474					19.3 J	18 J	2570 J	2350 J	35 U	35 U	10 U	10 U
CB04	05/04/10	1900		4200		400 U		5700		410						240 U		20000 U		800 U		120 U
CB04	06/07/10	2200	300	4900	450 U	400 U	11000	11000	1200	1200					130 U	240 U	11000 U	10000 U	450 U	400 U	67 U	60 U
CB04	08/16/10	310	180 U	2600	90 U	80 U	16000	16000	1800	1900					90 U	80	7500	7800	180 U	160 U	45 U	40 U
CB04	09/08/10	840		1800		40 U		13000		950						23		7900		20 U		10 U
CB04	10/04/10	4600	1700	7400	22 U	20 U	7600	8000	860	860					100	100	4600	5300	22 U	40 U	11 U	10 U
CB04	11/03/10	720		2800		40 U		5000		350						20 U		2900		20 U		10 U
CB04	12/06/10	140	340	1600	22 U	20 U	2800	3200	110	130					22 U	20 U	2000	2400	22 U	20 U	11 U	10 U
CB04	01/18/11	25	110 U	150	22 U	20 U	4400	4600	58	60					22 U	20 U	2600	2600	22 U	20 U	11 U	10 U
CB04	02/07/11	21	110 U	72	22 U	20 U	5700	5900	52	51					22 U	20 U	3300	3300	45 U	40 U	11 U	10 U
CB04	03/14/11	600	1700	2800	22 U	20 U	4000	3900	240	230					22 U	22	2200	2100	22 U	20 U	11 U	10 U
CB04	04/04/11	280	130	580	22 U	20 U	3900	4100	200	220					22 U	20 U	2700	2900	22 U	20 U	11 U	10 U
CB04	05/10/11	78	45 U	140	22 U	20 U	2500	2600	65	68					22 U	20 U	2100	2100	22 U	20 U	11 U	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB05	10/09/12	4400	4800				22 U	40 U	22 U	20 U	22 U	44
CB05	12/03/12	8700	8500				22 U	20 U	22 U	20 U	37	43
CB05	03/26/13	1100 U	1000 U				22 U	20 U	22 U	20 U	35	38
CB05	06/10/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	39
CB05	08/12/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB05	10/23/13	1100 U	2000 U				22 U	40 U	22 U	40 U	22 U	40 U
CB05	12/03/13	1100 U	1000 U				22 U	20 U	22 U	20 U	34	43
CB04	01/04/05	2790	3090				25 U	25 U	50 U	50 U	1670	1720
CB04	02/28/05	4360	4080				25 U	25 U	50 U	50 U	1760	1690
CB04	04/04/05	1200	1860				25 U	25 U	1.1 J	5	2040	1890
CB04	06/06/05	3830	4070				25 U	25 U	50 U	50 U	1900	2030
CB04	08/01/05	7420	6840				8 UJ	7.5 J	50 UJ	50 U	1590	1640
CB04	10/03/05	5020	4820 J				25 U	25 U	50 U	50 U	975	1000
CB04	12/05/05	3230 J	3150 J				25 UJ	25 UJ	1.5 UJ	50 UJ	2800 J	2690 J
CB04	02/13/06	2820	2850				25 U	25 U	2.2	1 UJ	2590	2550
CB04	04/03/06	3160	2750				25 U	25 U	1.1 UJ	50 U	1610	1550
CB04	08/07/06	6080	4870				25 U	25 U	50 UJ	50 U	2960	2890
CB04	10/16/06	3800	3910				25 U	25 U	50 U	1.2 J	2300	2250
CB04	04/09/07	2480	2430				4 J	25 U	0.8 J	50 U	2430	2490
CB04	06/11/07	3030	3060				25 U	25 U	0.48 J	50 U	1050	1130
CB04	07/16/07	4090	4180				25 U	25 U	50 U	50 U	730	689
CB04	10/02/07	5500 J	4690 J				25 U	25 U	50 U	50 UJ	1540	1570
CB04	12/03/07	3350	2300				25 U	25 U	50 UJ	1 J	1810	1880
CB04	01/17/08		3000					20 U		10 U		2300
CB04	02/14/08		2300					20 U		10 U		1200
CB04	03/12/08		2200					40 U		10 U		2200
CB04	04/07/08	1920	1900				25 U	25 U	0.37 J	1.2 J	1880	2080
CB04	05/20/08		2860					25 U		50 U		1200
CB04	06/10/08		4300					20 U		10 U		1700
CB04	07/23/08	4960	5210				25 U	25 U	50 U	50 U	1820	1670
CB04	08/18/08		4800					20 U		10 U		2900
CB04	09/09/08							20 U		10 U		2800
CB04	10/06/08	4400	4530				25 U	25 U	50 U	50 U	1560	1660
CB04	11/19/08		3200					20 U		10 U		1900
CB04	12/15/08	2320 J	2670 J				25 U	25 U	50 U	9.6 J	1100	1150
CB04	02/10/09							20 U		10 U		770
CB04	03/17/09		3100					20 U		14		2000
CB04	04/08/09	1850 J	1790 J				25 U	25 U	50 U	50 U	1470	1290
CB04	05/12/09		2900					20 U		10 U		890
CB04	06/09/09		2800					20 U		10 U		950
CB04	07/27/09	2460 J	2890 J				25 U	25 U	50 U	8.3 J	1240	1280
CB04	08/11/09		3600					20 U		10 U		1800
CB04	09/08/09		4900					20 U		10 U		1800
CB04	10/14/09	3500 J	3660 J				25 U	25 U	50 U	50 U	1840	1860
CB04	11/10/09		4400					20 U		50 U		2000
CB04	12/07/09	2860 J	2890 J				25 U	25 U	50 U	50 U	1120	1090
CB04	01/12/10		3800					20 U		10 U		1000
CB04	01/26/10		2700					20 U		10 U		820
CB04	02/10/10		3900					20 U		10 U		810
CB04	03/09/10		2900					20 U		10 U		590
CB04	04/05/10	2190 J	1940 J				25 U	25 U	50 U	50 U	453	435
CB04	05/04/10		20000 U					800 U		120 U		380
CB04	06/07/10	11000 U	10000 U				450 U	800 U	67 U	60 U	660	670
CB04	08/16/10	4900	5000				90 U	80 U	45 U	40 U	400	660
CB04	09/08/10		4400					20 U		10 U		270
CB04	10/04/10	2800	1000 U				22 U	20 U	11 U	10 U	800	790
CB04	11/03/10		2200					20 U		10 U		220
CB04	12/06/10	1600	1800				45 U	40 U	11 U	10 U	49	59
CB04	01/18/11	2100	2200				22 U	20 U	22 U	20 U	33	33
CB04	02/07/11	2500	2500				22 U	20 U	22 U	20 U	34	35
CB04	03/14/11	1800	1800				45 U	40 U	22 U	20 U	410	400
CB04	04/04/11	1800	1900				22 U	20 U	22 U	20 U	160	180
CB04	05/10/11	1700	1700				22 U	20 U	22 U	20 U	27	32

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB04	06/07/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	54000	56000	22 U	20 U	22 U	20 U	22 U
CB04	07/12/11	120 U	110 U	22 U	20 U	22 U	20 U	36	38	9 U	8 U	11 U	10 U	170000	190000	22 U	20 U	85	89	41
CB04	08/15/11	120 U	31000	22 U	20 U	22 U	20 U	47	210	9 U	8 U	29	38	130000	190000	22 U	51	430	560	270
CB04	08/29/11	41	1600	0.46 U	0.46 U	0.29 U	0.29 U	12 ^	25 ^	0.045 U	0.084 J	0.59 J ^	0.76 J	27000 B	25000	1.3 J	3.3	11 ^	12 ^ B	50 ^
CB04	09/07/11	120 U	3500	22 U	20 U	22 U	20 U	22 U	30	9 U	8 U	14	13	75000	74000	22 U	20 U	280	280	150
CB04	10/04/11	120 U	720	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	39000	22 U	20 U	22 U	20 U	95
CB04	11/15/11	120 U	320	22 U	20 U	22 U	20 U	27	31	9 U	8 U	11 U	10 U	58000	62000	22 U	20 U	22 U	20 U	65
CB04	12/13/11	120 U	370	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	36000	38000	22 U	20 U	22 U	20 U	95
CB04	01/17/12	120 U	270	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	43000	42000	22 U	20 U	22 U	20 U	37
CB04	02/14/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	49000	49000	22 U	20 U	22 U	20 U	22 U
CB04	03/06/12	120 U	120	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	63000	63000	22 U	20 U	22 U	20 U	22 U
CB04	04/11/12	120 U	120	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	41000	22 U	20 U	22 U	20 U	22 U
CB04	06/05/12	260	420	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	45000	48000	22 U	20 U	22 U	20 U	120
CB04	08/14/12	120 U	340	22 U	20 U	22 U	20 U	42	46	9 U	8 U	11 U	10 U	130000	140000	22 U	20 U	22 U	20 U	22 U
CB04	12/04/12	120 U	190	22 U	20 U	22 U	20 U	22 U	22 J	9 U	8 U	11 U	10 U	64000	63000	22 U	20 U	22 U	20 U	48
CB04	03/26/13	120 U	300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	55000	56000	22 U	20 U	22 U	20 U	32
CB04	06/11/13	220	520	22 U	20 U	22 U	20 U	36	36	9 U	8 U	11 U	10 U	90000	93000	22 U	20 U	22 U	20 U	300
CB04	08/13/13	120 U	180	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	66000	70000	22 U	20 U	22 U	20 U	22 U
CB04	10/23/13	120 U	110 U	22 U	20 U	22 U	20 U	24	25	9 U	8 U	11 U	10 U	94000	96000	22 U	20 U	22 U	20 U	22 U
CB04	12/03/13	120 U	280	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	51000	51000	22 U	20 U	22 U	20 U	22 U
CB03	12/05/05	36400 J	35600 J	60 UJ	60 UJ	5.4 UJ	10 UJ	6.7 J	1.2 UJ	1.1 J	0.97 J	45.8 J	43.1 J	52400 J	48700 J	67.3 J	61.3 J	741 J	697 J	28500 J
CB03	02/13/06	31900	32700	60 U	60 U	10 U	10 U	1.7 UJ	200 UJ	0.79 J	0.79 J	39.5	41.8	47200	47900	60	58.7	662	669	23200
CB03	04/03/06	22300	21600	60 U	60 U	10 U	10 U	7.1 J	2.4 U	0.65	0.63	25.6	24.8	47800	45600	31.5	29.3	409	397	15800
CB03	08/07/06	33800	34100	60 U	60 UJ	10 U	R	7.9 J	9.4	1.3 J	1.3 J	42.2	42.2	70200	70300	48.2	46.6	742	718	25500
CB03	10/16/06	35300	35000	60 U	60 U	R	R	10	9.8	1.3	1.2	39.7	39.4	69000	68300	40.6	46.5	658	655	24400
CB03	04/09/07	28600	28800	60 UJ	60 U	R	R	5.9 UJ	5.3 J	0.8 J	0.77 J	37.8 J	37.6	45100	47000	49.8	45.1	609	616	20900
CB03	05/10/07	21000	22000	0.5 U	0.5 U	0.5 U	0.5 U	11.4	12.5	0.7	0.7	25.9	26.2	50000	50000	29.7	31.1	393.8	395.5	14000
CB03	06/11/07	26300	26300	60 U	60 U	R	R	9.3	8.5	1	1	30.2	28.4	74200	74800	31.3	30.8	521	509	16000
CB03	07/16/07	34800	33700	60 U	60 U	R	10 U	10.1	200 U	1.4	1.6	35	33.4	104000	98900	39.6	36.9	655	638	18000
CB03	08/16/07	32000	32000	0.5 U	0.03 UJ	0.5 U	0.12 J	12.8	12.9	1.4	1.5	30	30.2	95000	94000	34.8	35.1	706.8	688.2	12830
CB03	10/02/07	30300	30500	60 UJ	60 U	10 UJ	10 U	200 U	8.7 J	1.5	1.3	27.4	27.3	115000	112000	26.2	27.9	580	564	12900
CB03	10/25/07																			
CB03	01/17/08		31000		10 U		20 U		20 U		8 U		35		44000		58		660	
CB03	04/07/08	28400	30200	60 U	60 U	10 U	10 U	200 U	1.4 UJ	0.68 J	0.77 J	41.3 J	44 J	49000	51400	60.9	66.4	629	700	25600
CB03	07/23/08																			
CB03	10/07/08																			
CB03	12/16/08	14800	14400	60 U	60 U	10 U	10 U	200 U	200 U	5 U	5 U	17.4	17.2	33600	32900	17.3	19.5	265	255	11200
CB03	04/09/09	20500 J	16700	60 U	60 U	10 U	10 U	13 J	9.9 J	0.6 J	0.51 J	28.6	25.5	39700 J	32900	40.8	31.3	438	370	17100
CB03	07/27/09	21000	36000	22 U	20 U	22 U	20 U	39	120	9 U	8 U	37	38	92000	98000	23	49	500	520	20000
CB03	10/15/09																			
CB03	12/08/09	20500	20100	60 U	60 U	10 U	10 U	11.6 J	11.4 J	0.32 J	5 U	23	23.6	55500	54100	26.6	27.5	382	385	15600
CB03	01/12/10		20000		20 U		20 U		20 U		8 U		23		65000		26		380	
CB03	01/25/10		160000		60 U		60 U		1100		24 U		38		190000		480		760	
CB03	01/26/10		21000		20 U		20 U		76		8 U		18		78000		31		290	
CB03	02/10/10		15000		20 U		20 U		20 U		8 U		15		59000		20 U		250	
CB03	03/09/10		24000		20 U		20 U		78		8 U		21		130000		31		380	
CB03	04/06/10	5630 J	5150	60 U	60 U	10 U	10 U	16.2 J	3.7 J	5 U	5 U	7.8	7.2	52200	46900	4.1 J	3.9 J	127	116	4640 J
CB03	05/04/10		7000		400 U		1600 U		120 U		40 U		120 U		61000		120 U		140	
CB03	06/08/10	11000	11000	450 U	200 U	1100 U	4000 U	130 U	60 U	45 U	20 U	130 U	60 U	130000	120000	130 U	60 U	400	380	8800
CB03	08/17/10	490 U	2700	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	200000	200000	90 U	80 U	190	190	1600
CB03	09/08/10		2500		80 U		80 U		80 U		32 U		40 U		190000		80 U		200	
CB03	10/05/10	120 U	500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	99000	81000	22 U	20 U	130	110	1000
CB03	10/05/10	490 U	620	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	100000	90000	90 U	80 U	130	120	1000
CB03	11/03/10		2200		20 U		20 U		20 U		8 U		10 U		56000		20 U		97	
CB03	12/07/10	120 U	1000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	37000	22 U	20 U	44	46	860
CB03	12/07/10	120 U	960	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	35000	22 U	20 U	44	44	870
CB03	02/07/11	120 U	1500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	130000	130000	22 U	20 U	99	100	1400
CB03	03/14/11	120 U	3100	22 U	40 U	22 U	40 U	22 U	40 U	9 U	16 U	11 U	20 U	54000	54000	22 U	40 U	87	89	2200
CB03	04/05/11	310	4700	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	12	10 U	89000	90000	22 U	20 U	150	160	5800
CB03	05/10/11	240 U	530	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	49000	50000	22 U	20 U	25	25	300
CB03	06/07/11	120 U	380	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	86000	86000	22 U	20 U	37	37	290
CB03	07/12/11	120 U	280	22 U	20 U	22 U	20 U	23 U	25	9 U	8 U	11 U	10 U	100000	120000	22 U	20 U	47	51	200
CB03	08/15/11	9000	17000	22 U	20 U	22 U	20 U	22 U	65	9 U	8 U	22	22	85000	87000	22 U	27	310	330	13000

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB04	06/07/11	33	45 U	44	22 U	20 U	4100	4200	35	33					22 U	20 U	3600	3600	22 U	40 U	11 U	10 U
CB04	07/12/11	56	45 U	50	22 U	20 U	14000	15000	1100	1200					22 U	23	8100	9000	22 U	20 U	11 U	10 U
CB04	08/15/11	5400	1900	61000	22 U	27	12000	26000	2400	3500					140	220	5900	14000	45 U	20 U	11 U	10 U
CB04	08/29/11	160 ^	51	2000 ^ B	0.15 U	0.98 J ^	2200	2600	140 ^ B	180 ^			1.6 U	1.6 U	7.2	10 ^	2800	3100	0.67 J	0.55 J	0.1 ^ U	0.1 ^ U
CB04	09/07/11	1100	9800	17000	22 U	20 U	10000	11000	2000	2100					110	110	4600	5400	22 U	20 U	11 U	10 U
CB04	10/04/11	250	160 B	1100	22 U	20 U	3300	3700	250	270					22 U	20 U	3000	3300	22 U	20 U	11 U	10 U
CB04	11/15/11	110	82	570	22 U	20 U	7700	8300	190	220					22 U	20 U	14000	15000	22 U	20 U	11 U	10 U
CB04	12/13/11	190	48	460	22 U	20 U	3300	3500	120	140					22 U	20 U	2300	2400	22 U	20 U	11 U	10 U
CB04	01/17/12	54	45 U	380	22 U	20 U	3800	4000	99	110					22 U	20 U	2400	2600	45 U	40 U	11 U	10 U
CB04	02/14/12	26	45 U	150	22 U	20 U	4000	4100	92	98					22 U	20 U	2600	2600	22 U	20 U	11 U	10 U
CB04	03/06/12	23	45 U	190 B	22 U	20 U	5100	5400	91	99					22 U	20 U	3100	3100	22 U	20 U	11 U	10 U
CB04	04/11/12	21	98	160	22 U	20 U	3400	3400	30	32					22 U	20 U	2700	2700	22 U	20 U	11 U	10 U
CB04	06/05/12	130	400	680	22 U	20 U	3700	4000	140	150					22 U	20 U	2900	3100	22 U	20 U	11 U	10 U
CB04	08/14/12	20 U	51	2000	22 U	20 U	8200	8400	2600	2600					22 U	20 U	10000	11000	45 U	40 U	11 U	10 U
CB04	12/04/12	82 J	160	660	22 U	20 U	5800	5900	290	290					22 U	20 U	4500	4500	22 U	40 U	11 U	10 U
CB04	03/26/13	56	45 U	570	22 U	20 U	4400	4500	150	150					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB04	06/11/13	370	580	1100	22 U	40 U	7500	7800	140	140					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB04	08/13/13	35	45 U	390	22 U	20 U	5000	5200	34	53					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB04	10/23/13	20 U	45 U	130	22 U	20 U	7700	7900	36	37					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB04	12/03/13	47	88	610	22 U	20 U	4300	4500	87	110					22 U	20 U	1100 U	2000 U	45 U	40 U	11 U	10 U
CB03	12/05/05	26600 J	88600 J	79900 J	R	10 UJ	23400 J	21400 J	1070 J	980 J	0.2 UJ	0.2 UJ			156 J	148 J	2120 J	2040 J	35 UJ	35 UJ	10 UJ	10 UJ
CB03	02/13/06	22700	89500	88300	10 U	10 U	19600	19300	899	887	0.2 U	0.2 U			139	137	1790	1670	35 U	13 UJ	R	10 U
CB03	04/03/06	15400	31800	31100	R	10 U	14300	13700	758	728	0.2 U	0.2 U			94.8	90.9	1900	1940	35 UJ	35 U	10 U	10 U
CB03	08/07/06	25500	62900	63400	R	10 U	23600	24100	1310	1330	0.2 U	0.2 U			162	162	4400	4040	35 UJ	35 U	R	R
CB03	10/16/06	24200	42900	42500	10 UJ	10 UJ	23500	23700	1310	1280	0.2 U	0.2 U			153	151	3560	3540	35 U	35 U	10 U	10 U
CB03	04/09/07	21400	83100	84400	10 U	10 U	17700	18900	780	791	0.2 U	0.2 U			125	128	1790	1580	35 U	35 U	10 U	10 U
CB03	05/10/07	14100	34000	34000	3.5	3.6	15000	15000	705.3	733.8	0.2 U	0.2 U	2 U	2 U	90.3	89.7	3100	3100	3	3	0.5 U	0.5 U
CB03	06/11/07	16300	28600	28700	10 U	9 J	19700	20200	1100	1110	0.2 U	0.2 U			121	120	4280	4280	35 UJ	35 U	10 U	10 U
CB03	07/16/07	17100	39100	37700	5.6 J	R	28000	26800	1630	1600	0.2 U	0.2 UJ			160	148	5890	6200	35 U	35 UJ	10 U	10 U
CB03	08/16/07	12680	29000	30000	14.1	13.7	28000	28000	1808	1838	0.2 U	0.2 U	0.09 UJ	0.17 UJ	163.2	160.4	8500	8500	4	4	0.1 J	0.1 J
CB03	10/02/07	13100	28300	27700	R	7.7 U	28800	28300	1790	1750	0.2 U	0.2 UJ			143	143	7130	6940	10.1 J	35 UJ	10 U	10 U
CB03	10/25/07		30000	30000																		
CB03	01/17/08	27000		77000		20 U		20000		900						130		1700		20 U		10 U
CB03	04/07/08	26500	87200	97700	10 UJ	10 UJ	17800	19600	808	882	0.2 U	0.2 UJ			131	140	2000	2450	35 UJ	35 U	10 U	10 U
CB03	07/23/08																					
CB03	10/07/08																					
CB03	12/16/08	10800	16400	16500	10 U	10 U	9900	9800	504	476					63.5	60.8	1660 J	1700 J	35 U	35 U	10 UJ	10 U
CB03	04/09/09	14500	51000	44100	2.4 J	3.8 J	13300 J	10800	582	504					91.6	77.9	1710 J	1530 J	2.9 J	35 U	5.7 J	6.5 J
CB03	07/27/09	21000	21000	45000	22 U	36	18000	23000	1900	2200					110	140	3300	7700	22 U	20 U	11 U	10 U
CB03	10/15/09																					
CB03	12/08/09	15700	25600	27100	5.1 J	4.3 J	14300	14100	882	874					87.5	88.4	2090 J	2070 J	35 U	35 U	10 U	10 U
CB03	01/12/10	16000		20000		20 U		14000		940						87		2400		40 U		10 U
CB03	01/25/10	28000		820000		470		86000		5300						340		96000		140		34
CB03	01/26/10	10000		34000		20 U		15000		1400						78		5900		40 U		10 U
CB03	02/10/10	10000		14000		20 U		11000		800						61		2800		20 U		10 U
CB03	03/09/10	12000		46000		23		22000		2200						100		7000		20 U		10 U
CB03	04/06/10	4160	2200	2880	10 U	3.3 J	6950 J	6030	686	615					34.1 J	31.4 J	2560 J	2280 J	35 U	35 U	10 U	10 U
CB03	05/04/10	4900		12000		400 U		8100		770						240 U		20000 U		800 U		120 U
CB03	06/08/10	8500	4800	4800	900 U	400 U	15000	15000	2000	1900					270 U	120	22000 U	10000 U	900 U	400 U	130 U	60 U
CB03	08/17/10	2000	9000	16000	180 U	160 U	19000	20000	3200	3300					90 U	80 U	10000	11000	90 U	80 U	45 U	40 U
CB03	09/08/10	2400		16000		160 U		21000		3500						87		13000		80 U		40 U
CB03	10/05/10	1200	310	1300	22 U	20 U	10000	8400	970	800					74	63	5900	4900	22 U	20 U	11 U	10 U
CB03	10/05/10	1300	310	1500	90 U	80 U	10000	9300	980	890					90 U	80 U	6100	5100	90 U	80 U	45 U	40 U
CB03	11/03/10	2400		1900		40 U		6800		650						45		3300		20 U		10 U
CB03	12/07/10	1000	400	610	22 U	20 U	4000	4200	340	360					22 U	21	2200	2300	22 U	20 U	11 U	10 U
CB03	12/07/10	1000	410	540	22 U	20 U	4100	4000	350	340					22 U	20 U	2200	2200	22 U	20 U	11 U	10 U
CB03	02/07/11	1800	450	720	22 U	20 U	12000	13000	940	990					42	44	4300	4500	45 U	40 U	11 U	10 U
CB03	03/14/11	2800	190	2600	22 U	40 U	5500	5900	450	510					49	51	2300	2500	22 U	40 U	11 U	20 U
CB03	04/05/11	6500	260	1500	22 U	20 U	6600	6800	600	620					84	86	2800	1000 U	22 U	20 U	11 U	10 U
CB03	05/10/11	530	45 U	310	22 U	20 U	3800	3900	280	280					22 U	20 U	2700	2700	22 U	20 U	11 U	10 U
CB03	06/07/11	550	45 U	460	22 U	20 U	7100	7100	560	570					22 U	20 U	4700	4800	22 U	40 U	11 U	10 U
CB03	07/12/11	540	45 U	1300	22 U	20 U	9600	10000	850	920					28	31	7100	7600	22 U	20 U	11 U	10 U
CB03	08/15/11	14000	6300	28000	22 U	20 U	9800	13000	810	940					210	220	4300	7100	45 U	20 U	11 U	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB04	06/07/11	2600	2700				22 U	20 U	56 U	50 U	22 U	20 U
CB04	07/12/11	11000	11000				22 U	20 U	56 U	50 U	42	49
CB04	08/15/11	3200	4400				22 U	40 U	56 U	64	1700	2900
CB04	08/29/11	1600 B	1400	97 ^ B	96 ^		0.1 U	0.1 U	1.4 J	3 J	38 ^	54 ^
CB04	09/07/11	2200	2400				22 U	20 U	22 U	20 U	1300	1300
CB04	10/04/11	2000	2100				22 U	20 U	56 U	50 U	66	85
CB04	11/15/11	7000	7100				22 U	20 U	22 U	20 U	22 U	41
CB04	12/13/11	1900	1900				22 U	20 U	56 U	50 U	61	69
CB04	01/17/12	2300	2400				22 U	20 U	22 U	20 U	43	45
CB04	02/14/12	2300	2300				22 U	20 U	22 U	20 U	26	29
CB04	03/06/12	2500	2700				22 U	20 U	22 U	20 U	22	24 B
CB04	04/11/12	2200	2200				22 U	40 U	22 U	20 U	22 U	20 U
CB04	06/05/12	2500	2600				22 U	20 U	22 U	20 U	27	30
CB04	08/14/12	4900	5200				22 U	20 U	22 U	20 U	22 U	20 U
CB04	12/04/12	4100	4100				22 U	20 U	22 U	20 U	32	45 J, J3
CB04	03/26/13	1100 U	1000 U				22 U	20 U	22 U	20 U	44	45
CB04	06/11/13	1100 U	1000 U				22 U	20 U	22 U	20 U	100	110
CB04	08/13/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB04	10/23/13	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
CB04	12/03/13	1100 U	2000 U				22 U	20 U	22 U	20 U	39	54
CB03	12/05/05	4720 J	4410 J			1500000	25 UJ	25 UJ	3.6 UJ	50 UJ	6890 J	6600 J
CB03	02/13/06	3740 J	3530 J			700000	25 U	25 U	6.8 J	2.9 UJ	6200	6100
CB03	04/03/06	4320	3380			610000	25 U	25 U	1.4 UJ	50 U	3650	3470
CB03	08/07/06	6950	4260 J			4300000	7.1 J	25 U	50 UJ	1.1	6170	6120
CB03	10/16/06	2890	4440			3300000	25 U	25 U	0.9 J	2.2	5570	5500
CB03	04/09/07	3080 J	3200 J			715000	25 U	25 U	1.8	2.5	5750	5870
CB03	05/10/07	12000	11000	200	200	1000000	0.5 U	0.5 U	0.5 U	0.5 U	3457 J	3537 J
CB03	06/11/07	3240	5680			680000	5.6 UJ	3.6 UJ	50 U	50 U	4530	4630
CB03	07/16/07	6940	8430			840000	25 U	25 U	0.68 UJ	0.81 J	5640	5350
CB03	08/16/07	21000	22000	420	425	1300000	0.26 UJ	0.27 UJ	10 U	10 U	5218	5110
CB03	10/02/07	10200	7430			830000	25 U	11.8	50 U	50 UJ	4460	4450
CB03	10/25/07					1800000						
CB03	01/17/08		4100					20 U		10 U		5500
CB03	04/07/08	3660 J	3600 J			5100000	25 U	25 U	2.4 J	4.8	5600	6060
CB03	07/23/08					640000						
CB03	10/07/08					870000						
CB03	12/16/08	2880 J	2800 J			550000	25 U	25 U	50 U	50 U	2260	2230
CB03	04/09/09	2830 J	2560 J			670000	25 U	25 U	50 U	3.3 J	3920	3420
CB03	07/27/09	4700	5700			600000	22 U	20 U	11 U	29	4300	4400
CB03	10/15/09					740000						
CB03	12/08/09	3920 J	4020 J			440000	25 U	25 U	50 U	50 U	3200	3230
CB03	01/12/10		4100			450000		20 U		10 U		3100
CB03	01/25/10		18000			480000		60 U		520		4000
CB03	01/26/10		3800			330000		20 U		24		2000
CB03	02/10/10		3600			340000		20 U		10 U		2000
CB03	03/09/10		5600			500000		20 U		29		2400
CB03	04/06/10	2750 J	2450 J				25 U	25 U	50 U	50 U	888	820
CB03	05/04/10		20000 U			240000		800 U		120 U		960
CB03	06/08/10	22000 U	10000 U			470000	900 U	800 U	130 U	60 U	2100	2000
CB03	08/17/10	7500	7600			650000	90 U	80 U	45 U	40 U	830	840
CB03	09/08/10		8200			670000		80 U		40 U		930
CB03	10/05/10	3900	3200			280000	22 U	20 U	11 U	10 U	470	400
CB03	10/05/10	4500 U	4000 U			580000	90 U	80 U	45 U	40 U	490	440
CB03	11/03/10		2600			330000		20 U		10 U		480
CB03	12/07/10	1700	1800			110000	45 U	40 U	11 U	10 U	260	270
CB03	12/07/10	1700	1700			110000	45 U	40 U	11 U	10 U	260	260
CB03	02/07/11	3500	3700			380000	22 U	20 U	22 U	20 U	480	510
CB03	03/14/11	2400	2600			310000	45 U	40 U	22 U	40 U	470	470
CB03	04/05/11	2000	1000 U			280000	22 U	20 U	22 U	20 U	830	860
CB03	05/10/11	1800	1800			280000	22 U	20 U	22 U	20 U	130	140
CB03	06/07/11	3100	3200			270000	22 U	20 U	56 U	50 U	180	190
CB03	07/12/11	4900	4800			330000	22 U	20 U	56 U	50 U	220	250
CB03	08/15/11	2200	2700			360000	22 U	40 U	56 U	50 U	1600	1700

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB03	08/29/11	23 J	500	0.46 U	0.99 J B	0.29 U	0.29 U	15 ^	15 ^	0.045 U	0.064 J	1.5 ^	1.4	25000 B	24000	1.3 J	1.2 J	20 ^	20 ^ B	550 ^
CB03	09/07/11	600	4500	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11	10 U	82000	80000	22 U	20 U	150	150	6200
CB03	10/03/11	120 U	930	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	41000	43000	22 U	20 U	44	46	1200
CB03	11/15/11	120 U	310	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	73000	76000	22 U	20 U	32	33	420
CB03	12/13/11	120 U	590	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	43000	44000	22 U	20 U	28	28	570
CB03	01/17/12	120 U	460	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	55000	57000	22 U	20 U	31	32	550
CB03	02/14/12	120 U	290	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	51000	52000	22 U	20 U	24	24	330
CB03	03/06/12	120 U	420	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	93000	94000	22 U	20 U	36	36	360
CB03	04/11/12	120 U	180	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	55000	54000	22 U	20 U	22 U	22	410
CB03	06/04/12	250 U	810	45 U	20 U	45 U	20 U	45 U	20 U	18 U	8 U	22 U	10 U	61000	57000	45 U	20 U	46	44	1200
CB03	08/13/12	120 U	210	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	84000	87000	22 U	20 U	29	30	340
CB03	10/10/12	250 U	2400	22 U	20 U	22 U	20 U	24	34	9 U	8 U	11 U	10 U	65000	63000	22 U	20 U	40	40	240
CB03	12/04/12	120 U	220	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	66000	66000	22 U	20 U	27	26	690
CB03	02/12/13	130 U	150	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	55000	55000	22 U	20 U	22 U	20 U	240
CB03	03/25/13	120 U	1600	22 U	20 U	22 U	20 U	22 U	25	9 U	8 U	11 U	10 U	95000	95000	22 U	20 U	27	28	260
CB03	06/11/13	120 U	1500	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	82000	87000	22 U	20 U	64	68	1300
CB03	08/13/13	120 U	250	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	83000	85000	22 U	20 U	22 U	20 U	170
CB03	10/22/13	120 U	110 U	67 U	60 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	92000	89000	22 U	20 U	22 U	20 U	190
CB03	12/03/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	46000	43000	22 U	20 U	22 U	20 U	330
CB02	01/04/05	61600	62400	60 U	60 UJ	10 UJ	10 U	5.6	6	1.9 J	1.8 J	70.8	70.2	67000	68700	85.2	88.2	1130	1160	47000
CB02	01/04/05	61200	62500	60 U	60 UJ	10 UJ	10 U	5.7	6	1.8 J	1.8 J	71.2	69.7	67000	68900	84.7	88	1140	1150	46200
CB02	02/28/05	72800	75600	60 UJ	60 UJ	10 U	10 UJ	12.3	11.5	2.1	2.2	76.3	77.4	76100	77800	93.8	96.1	1280	1300	50200
CB02	02/28/05	71900	75100	60 UJ	60 UJ	10 U	10 UJ	11.7	11.8	2.1	2.2	76	78.5	75200	79000	92.9	96.9	1270	1320	49600
CB02	04/04/05	35800	36600	60 UJ	60 U	5.3 UJ	10 UJ	5.9	1.2 UJ	0.84 J	0.83 J	60.9	64.5 J	41700	41100	85.5 J	81.9	906	915	34300
CB02	04/04/05	36400	34300	60 UJ	60 U	8.3 UJ	10 UJ	6	0.69 UJ	0.85 J	0.79 J	61.5	61.5 J	41900	38700	87 J	78.4	917	870	34700
CB02	06/06/05	58500	59900	60 UJ	60 UJ	10 UJ	10 U	4.6	4.6	1.9 J	1.9 J	79.6	82.9	72500	75200	92	95.9	1220	1250	47500
CB02	06/06/05	57600	59400	60 UJ	60 UJ	10 UJ	10 U	4.1	4.5	1.8 J	1.9 J	79	82.1	71000	75000	90.3	95.2	1210	1250	46400
CB02	08/01/05	96600	101000	60 U	60 UJ	10 UJ	10 U	7 UJ	4.1 U	3.5 J	3.6 J	118	112	124000	125000	118	122	1880	1830	52400
CB02	08/01/05	95400	101000	60 U	60 UJ	10 UJ	5.1 UJ	7.3 UJ	4.7 U	3.4 J	3.6 J	115	113	123000	125000	114	122	1830	1860	51500
CB02	10/03/05	128000	132000	60 UJ	60 U	10 U	7 UJ	6.8	5.6 UJ	4.3 J	4.5 J	116	123	136000	143000	148	156	1980	2080	82200
CB02	10/03/05	124000	130000	60 UJ	60 U	10 U	10 U	6.3 U	5.6 UJ	4.1 J	4.4 J	112	120	131000	141000	145	154	1920	2050	79900
CB02	12/05/05	66500 J	65500 J	60 UJ	60 UJ	8.3 UJ	10 UJ	5.3 J	200 UJ	1.9 J	1.7 J	85.3 J	78.4 J	73500 J	67500 J	124 J	114 J	1360 J	1270 J	53400 J
CB02	12/05/05	66000 J	64800 J	60 UJ	60 UJ	4.8 UJ	10 UJ	5.1 J	200 UJ	1.9 J	1.7 J	84.2 J	78.3 J	73300 J	66500 J	124 J	114 J	1350 J	1270 J	53100 J
CB02	02/13/06	59700	62500	60 U	60 U	3.9 UJ	10 U	200 UJ	200 UJ	1.5 J	1.5 J	73.7	79.6 J	64000	64300	117	113	1260	1270	44500
CB02	02/13/06	59700	61600	60 U	60 U	10 U	10 U	200 UJ	200 UJ	1.5 J	1.4 J	73.6	78.4 J	63700	63900	115	111	1260	1250	44200
CB02	04/03/06	47600	46900	60 U	60 U	10 U	10 U	6.2 J	200 U	1.3 J	1.3 J	55.1	53.7	61100	58700	70.2	66.9	885	855	34700
CB02	04/03/06	48200	47000	60 U	60 U	10 U	10 U	6 J	200 U	1.4 J	1.3 J	55.5	54.2	61600	59700	70.4	66.7	888	866	35000
CB02	08/07/06	71600	72400	60 U	60 UJ	10 U	R	0.93 UJ	5.6	2.5 J	2.6 J	86.9	90.4	95300	97000	108	108	1550	1510	55600
CB02	08/07/06	68500	70000	60 U	6.3 J	5.5 UJ	R	1.1 UJ	5.1	2.4 J	2.6 J	82.7	87.3	94200	94200	103	104	1490	1460	53100
CB02	10/16/06	94700	95100	60 U	60 U	R	R	5.6	5.5 U	3.3 J	3.3 J	108	109	115000	114000	123	126	1770	1760	68600
CB02	10/16/06	95200	93900	60 U	60 U	R	R	5.9	4.7 U	3.4 J	3.3 J	108	108	117000	111000	123	125	1770	1760	68900
CB02	04/09/07	56000	57500	60 UJ	60 U	R	R	3.3 UJ	3.3 J	1.5 J	1.5 J	74.9 J	75.3	62700	67000	100	95.2	1200	1230	41600
CB02	04/09/07	56900	57300	60 UJ	60 U	R	R	3.6 UJ	3.3 J	1.5 J	1.5 J	75.7 J	75.3	63600	66300	102	94.3	1220	1220	42600
CB02	06/11/07	72800	70700	60 UJ	60 UJ	R	R	3.9 J	3.1 J	2.6 J	2.5 J	82.2	77.1	105000	100000	97.2	88.8	1410	1340	48100
CB02	06/11/07	69900	72000	60 UJ	60 UJ	R	R	3.9 J	3 J	2.5 J	2.6 J	79.3	78.3	101000	102000	93.4	89.8	1360	1360	46500
CB02	07/16/07	105000	106000	60 UJ	60 U	R	10 U	3.8 J	200 U	4.2 J	3.9 J	105	105	143000	140000	151 J	146	1860	1890	62500
CB02	07/16/07	104000	105000	60 UJ	60 U	R	10 U	3.6 J	200 U	4.2 J	3.8 J	103	106	142000	139000	149 J	146	1840	1880	62200
CB02	10/02/07	98100	107000	60 UJ	60 UJ	10 UJ	8.1 UJ	200 U	24 J	3.9 J	4.4 J	93.2	98.7	149000	153000	119	133	1780	1830	54300
CB02	10/02/07	97900	106000	60 UJ	60 UJ	10 UJ	10 U	200 U	6.1 J	4 J	3.9 J	94.9	96.6	150000	153000	120	132	1790	1830	54400
CB02	12/03/07	50700	50700	60 U	60 U	10 U	10 UJ	8.8 J	200 U	1.4 J	1.6 J	58.2	58.2	69400	69500	69.8	68.7	957	970	39300
CB02	12/03/07	47200	47500	60 U	60 U	10 U	10 UJ	7.7 J	200 U	1.3 J	1.5 J	54	55.5	64800	66300	64.1	64.8	897	928	36100
CB02	01/17/08		48000		10 U		20 U		20 U		8 U		55		57000		91		1000	
CB02	02/14/08		60000		20 U		20 U		20 U		8 U		59		70000		88		1100	
CB02	02/14/08		61000		20 U		20 U		20 U		8 U		60		71000		90		1200	
CB02	03/12/08		57000		20 U		40 U		40 U		16 U		79		63000		130		1400	
CB02	03/12/08		57000		20 U		40 U		40 U		16 U		81		64000		130		1400	
CB02	04/07/08	54100	56700	10.6 J	60 U	10 U	10 U	200 U	200 U	1.3 J	1.4 J	80.2 J	82.7	70100	72800	117	125	1190	1320	49700
CB02	04/07/08	55000	55500	14.4 J	60 U	10 U	10 U	200 U	200 U	1.3 J	1.4 J	79.8 J	82.3	70900	72200	117	124	1200	1310	50000
CB02	07/23/08	63600	66000	60 U	60 U	10 U	10 U	200 U	200 UJ	2.3 J	2.4 J	80.3	87	96900	101000	94.2	103	1270	1380	42800
CB02	07/23/08	67300	65800	60 U	60 U	10 U	10 U	200 U	200 UJ	2.4 J	2.4 J	84.9	87.2	102000	99600	99.5	102	1340	1360	44700
CB02	10/07/08	63500	67800	60 U	60 U	10 U	10 U	9.3	8.9 U	2.2 J	2.1 J	74.3	76.7	82800	86000	93.9	94.4	1160	1190	40500
CB02	11/19/08		47000		10 U		20 U		20 U		8 U		47		65000		66		920	
CB02	12/16/08	34600	32200	60 U	60 U	10 U	10 U	200 U	200 U	1.1 J	1 J	41.1	39.3	56000	53600	44.7	42.8	611	576	26600

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB03	08/29/11	780 ^	53	590 ^ B	0.15 U	1.2 ^	2300	2100	140 ^ B	140 ^			1.6 U	1.6 U	14	15 ^	2300	2100	0.51 U	0.71 J	0.1 ^ U	0.1 ^ U
CB03	09/07/11	6400	480	2700	22 U	20 U	7100	7200	560	560					110	110	4100	4200	22 U	20 U	11 U	10 U
CB03	10/03/11	1600	56	390	22 U	20 U	3700	3900	270	290					29	32	2900	3000	22 U	20 U	11 U	10 U
CB03	11/15/11	670	45 U	350	22 U	20 U	6000	6200	370	390					23	23	3900	3900	22 U	20 U	11 U	10 U
CB03	12/13/11	740	180	350	22 U	20 U	4200	4200	260	270					22 U	20 U	2500	2500	22 U	20 U	11 U	10 U
CB03	01/17/12	670	160	610	22 U	20 U	5700	6000	430	450					22 U	20 U	2800	3000	45 U	40 U	11 U	10 U
CB03	02/14/12	410	140	280	22 U	20 U	5000	5000	430	440					22 U	20 U	2700	2600	22 U	20 U	11 U	10 U
CB03	03/06/12	510	100	430 B	22 U	20 U	8500	8500	630	640					22	22	3400	3500	22 U	20 U	11 U	10 U
CB03	04/11/12	500	45 U	140 B,J2	22 U	20 U	4900	5000	320	320					22 U	20 U	2800	2700	45 U	40 U	11 U	10 U
CB03	06/04/12	1600	90 U	450	45 U	20 U	4300	4200	290	280					45 U	32	3200	3000	45 U	20 U	22 U	10 U
CB03	08/13/12	670	48 U	530	22 U	20 U	7400	7000	450	430					24	25	5500	5500	45 U	40 U	11 U	10 U
CB03	10/10/12	880	47	3000	22 U	20 U	6100	6800	440	480					31	33	5000	5800	45 U	40 U	11 U	10 U
CB03	12/04/12	810	48 U	320	22 U	20 U	6600	6600	390	390					22 U	21 U	4200	4000	22 U	40 U	11 U	10 U
CB03	02/12/13	330	170	420	22 U	20 U	5000	5100	330	340					22 U	20 U	1100 U	1000 U	22 U	20 U	11 U	10 U
CB03	03/25/13	590	54	1300	22 U	20 U	7200	7700	360	370					22 U	20	1100 U	1000 U	45 U	40 U	11 U	10 U
CB03	06/11/13	2100	45 U	650	22 U	40 U	5900	6000	310	300					45	45	1100 U	1000 U	45 U	40 U	11 U	10 U
CB03	08/13/13	360	45 U	420	22 U	20 U	6400	6600	180	190					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB03	10/22/13	210	45 U	46	22 U	20 U	8000	8200	210	210					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB03	12/03/13	370	45 U	56	22 U	20 U	4200	4000	190	190					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB02	01/04/05	48200 J	76400	79700	10 U	10 UJ	34200	35700	1780	1810	0.2 U	0.2 U			250	270	1970	2100	35 U	35 U	10 UJ	10 U
CB02	01/04/05	32100 J	76400	79300	10 U	10 UJ	34200	35500	1780	1810	0.2 U	0.2 U			249	251	1990	2050	9.1 J	35 U	10 UJ	10 U
CB02	02/28/05	54800	53500	55200	10 UJ	10 U	38100	38800	2050	2140	0.2 UJ	0.2 U			282	289	1740	1790 J	35 UJ	8.3 UJ	10 U	10 U
CB02	02/28/05	56300	53100	55500	10 UJ	10 U	37800	39300	2030	2150	0.041 J	0.13 U			278	291	1710	1640 J	35 UJ	35 U	10 U	10 U
CB02	04/04/05	33900	139000	144000	R	10 UJ	24300	23900	1050	1060	0.2 UJ	0.2 UJ			181	182	1860	2280	35 U	16.5 UJ	10 U	10 UJ
CB02	04/04/05	32400	141000	137000	R	10 UJ	24700	22700	1060	1000	0.2 UJ	0.2 UJ			183	173	1880	2170	35 U	12.5 UJ	10 U	10 UJ
CB02	06/06/05	47900	105000	108000	10 UJ	R	35400	37000	1900	1950	0.2 U	0.2 U			260	269	2150	2060	35 U	8.3 UJ	10 U	10 U
CB02	06/06/05	47400	103000	107000	10 UJ	R	34600	37200	1870	1940	0.2 U	0.2 U			256	268	2090	2060	35 U	11.9 UJ	10 U	10 U
CB02	08/01/05	52400	145000	142000	12 U	8.7 UJ	61500	62800	3440	3530	0.2 U	0.2 U			422	416	3240	3560 J	35 UJ	35 U	10 UJ	10 U
CB02	08/01/05	52800	142000	143000	12.3 U	11.4 UJ	61000	62800	3440	3550	0.2 U	0.2 U			410	418	3370	3590 J	35 UJ	35 U	10 UJ	10 U
CB02	10/03/05	86300	129000	135000	R	R	75800	81200	4070	4300	0.2 UJ	0.2 U			477	501	4570	4260	35 U	35 U	10 U	10 UJ
CB02	10/03/05	85200	125000	133000	R	R	73300	79300	3950	4210	0.2 UJ	0.2 U			461	493	4340	4160	35 U	35 U	10 U	10 UJ
CB02	12/05/05	49000 J	170000 J	154000 J	R	10 UJ	40300 J	36700 J	1840 J	1680 J	0.2 UJ	0.082 J			282 J	265 J	2350 J	2170 J	8.6 UJ	35 UJ	10 UJ	10 UJ
CB02	12/05/05	48600 J	169000 J	153000 J	R	10 UJ	40200 J	37100 J	1820 J	1670 J	0.2 UJ	0.2 UJ			281 J	265 J	2330 J	2190 J	35 UJ	35 UJ	10 UJ	10 UJ
CB02	02/13/06	43500	181000	181000	10 U	10 U	34300	34400	1530	1530	0.2 U	0.2 U			252	255	1810	1710	35 U	25.9 U	R	10 U
CB02	02/13/06	43000	181000	180000	10 U	10 U	34000	34200	1530	1510	0.2 U	0.2 U			251	251	1830	1690	35 U	22.5 U	R	10 U
CB02	04/03/06	34200	75400	73500	R	10 U	27200	26200	1440	1390	0.2 U	0.2 U			195	188	1820	1830	35 UJ	35 U	10 U	10 U
CB02	04/03/06	34300	75100	74000	R	10 U	27300	26200	1440	1400	0.2 U	0.2 U			196	189	1840	1840	35 UJ	35 U	10 U	10 U
CB02	08/07/06	56200	142000	143000	R	10 U	44400	45700	2370	2470	0.2 U	0.19 J			325	332	2900	2910	35 UJ	35 U	R	R
CB02	08/07/06	54500	137000	138000	R	10 U	42900	44400	2340	2400	0.2 U	0.2 U			314	321	3090	2790	35 UJ	35 U	R	R
CB02	10/16/06	70300	121000	125000	10 UJ	10 UJ	56000	57300	3060	3000	0.2 U	0.2 U			394	395	2670	2520	35 U	35 U	10 U	10 U
CB02	10/16/06	70600	121000	122000	10 UJ	10 UJ	57000	56300	3110	2940	0.2 U	0.23			398	393	2790	2390	35 U	35 U	10 U	10 U
CB02	04/09/07	43500	174000	178000	10 U	10 U	32300	35000	1450	1480	0.2 U	0.2 U			242	253	1810	1650	35 U	35 U	10 U	10 U
CB02	04/09/07	43200	177000	177000	10 U	10 U	32900	34900	1470	1470	0.2 U	0.2 U			246	252	1840	1650	35 U	35 U	10 U	10 U
CB02	06/11/07	47900	100000	98200	8.1 UJ	17 J	44700	44100	2430	2320	0.2 U	0.2 U			314	303	2790	2620	35 UJ	35 U	10 U	10 U
CB02	06/11/07	48500	96400	99700	7.1 UJ	17.3 J	43000	44700	2330	2370	0.2 U	0.2 U			302	307	2700	2680	35 UJ	35 U	10 U	10 U
CB02	07/16/07	60800	136000	133000	8.9	R	63700	62300	3480	3380	0.2 U	0.2 UJ			428	413	3410	3340	35 U	35 UJ	10 U	4.1 UJ
CB02	07/16/07	60700	134000	132000	11.1	R	63500	62200	3430	3390	0.2 U	0.2 UJ			426	414	3240	3330	35 U	35 UJ	10 U	3.8 UJ
CB02	10/02/07	60600	110000	118000	R	18.3 UJ	65500	70400	3700	3920	0.2 U	0.2 UJ			415	443	4150	4260	35 UJ	19.4 UJ	10 UJ	10 U
CB02	10/02/07	60500	110000	117000	R	15.2 UJ	66000	69100	3700	3870	0.2 U	0.2 UJ			417	437	4210	4090	35 UJ	35 UJ	10 UJ	10 U
CB02	12/03/07	39000	69100	68500	10 U	R	29700	28700	1490	1510	0.2 U	0.2 U			216	212	2540 J	2520	35 U	35 U	R	10 UJ
CB02	12/03/07	37700	64900	66600	10 U	R	27700	27900	1390	1460	0.2 U	0.2 U			202	203	2310 J	2420	35 U	6.7 J	R	10 UJ
CB02	01/17/08	43000		120000		20 U		29000		1300						200		1800		20 U		10 U
CB02	02/14/08	47000		96000		21		32000		1600						240		1700		20 U		10 U
CB02	02/14/08	48000		98000		20 U		33000		1700						240		1600		20 U		10 U
CB02	03/12/08	53000		190000		40 U		35000		1500						270		1900		40 U		20 U
CB02	03/12/08	53000		190000		40 U		35000		1500						270		1800		40 U		20 U
CB02	04/07/08	50600	163000	175000	10 UJ	10 UJ	31900	34100	1460	1520	0.2 U	0.2 UJ			247	256	2080	2350	35 UJ	35 U	10 U	10 U
CB02	04/07/08	50100	166000	171000	10 UJ	10 UJ	32100	33600	1450	1500	0.2 U	0.2 UJ			246	255	2020	2280	35 UJ	35 U	10 U	10 U
CB02	07/23/08	47100	80700	102000	17.2 UJ	16.4 J	40100	42800	2270	2330	0.2 U	0.058 J			283	297	3060	3850	35 UJ	35 UJ	10 U	0.8 UJ
CB02	07/23/08	46300	85600	102000	14.6 UJ	17.7 J	42700	42700	2380	2310	0.2 U	0.085 J			299	295	3040	3840	35 UJ	35 UJ	10 U	1.2 U
CB02	10/07/08	41200	52600	54900	11.2 J	12 J	36300	39000	2190	2170					254	266	1960	1890	7.9 J	6 J	10 UJ	10 UJ
CB02	11/19/08	40000		60000		20 U		27000		1400						200		2200		20 U		10 U
CB02	12/16/08	25000	41000	39100	8.7 J	9.1 J	20600	19600	1120	1040					145	136	2070 J	2050 J	35 U	35 U	10 UJ	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB03	08/29/11	1300 B	1100	87 ^ B	83 ^	75000	0.1 U	0.1 U	1.8 J	0.3 U	130 ^	120 ^
CB03	09/07/11	2300	2300			250000	22 U	20 U	22 U	20 U	800	770
CB03	10/03/11	1800	1900			110000	22 U	20 U	56 U	50 U	240	260
CB03	11/15/11	2500	2600			210000	22 U	20 U	22 U	20 U	180	190
CB03	12/13/11	1900	1900			140000	22 U	20 U	22 U	20 U	180	180
CB03	01/17/12	2400	2500			170000	22 U	20 U	22 U	20 U	190	200
CB03	02/14/12	2000	2000			140000	22 U	20 U	22 U	20 U	150	150
CB03	03/06/12	3200	3200			320000	22 U	20 U	22 U	20 U	190	200
CB03	04/11/12	2100	2100			130000	22 U	40 U	22 U	20 U	140	150
CB03	06/04/12	2200 U	2000			180000	45 U	20 U	45 U	20 U	240	240
CB03	08/13/12	3300	3400			240000	22 U	40 U	22 U	20 U	160	160
CB03	10/10/12	3300	3500			170000	22 U	40 U	45 U	20 U	190	210
CB03	12/04/12	4000	4100			209420	22 U	20 U	22 U	20 U	160	170
CB03	02/12/13	1100 U	1000 U			140000	22 U	20 U	22 U	20 U	110	120
CB03	03/25/13	1100 U	1000 U			200000	22 U	20 U	22 U	20 U	130	140
CB03	06/11/13	1100 U	1000 U				22 U	20 U	22 U	20 U	340	360
CB03	08/13/13	1100 U	1000 U				22 U	20 U	22 U	20 U	56	68
CB03	10/22/13	1100 U	1000 U			210000	22 U	20 U	22 U	20 U	100	98
CB03	12/03/13	1100 U	1000 U			98000	22 U	20 U	22 U	20 U	110	110
CB02	01/04/05	5140	6000				10.6 J	11.9 J	4.1	2.5	9340	9680
CB02	01/04/05	5310	7190				10.6 J	12.7	3.8	2.2	9350	9640
CB02	02/28/05	8130	8600				25 U	25 U	5 J	4.6 J	10100	10300
CB02	02/28/05	8190	8100				25 U	25 U	4.6 UJ	4.9 J	10000	10200
CB02	04/04/05	978 J	3360 J				6.1 J	14.7	10 J	7.3	8800	8760
CB02	04/04/05	1010 J	3470 J				10.5 J	12.1	9.9 J	6.1	8870	8220
CB02	06/06/05	5720 J	7020 J				8.5 J	9.6 J	7.1 J	4.5	10400	10800
CB02	06/06/05	5690 J	7020 J				10.5 J	11.2 J	6.8 J	4.6	10100	10800
CB02	08/01/05	12100	6670 J				22.3 UJ	18.1	15.1 UJ	14.6 J	15100	15100
CB02	08/01/05	12700	7370 J				19.1 UJ	18.5	14.6 UJ	14.9 J	14900	15000
CB02	10/03/05	13200	11000 J				13.9	15.5	24.9 J	24.9 J	16200	17000
CB02	10/03/05	12300	10700 J				18.4	11.2 J	24.5 J	25.1	15600	16500
CB02	12/05/05	7550 J	6350 J				9.4 J	14.4 J	7.1 J	0.74 J	12800 J	12000 J
CB02	12/05/05	7600 J	6300 J				13.8 J	11.4 J	7.3 J	0.8 J	12700 J	12100 J
CB02	02/13/06	5380 J	5050 J				14 J	25 U	15 J	7.1 J	11700	11800
CB02	02/13/06	5490 J	5060 J				10.4 J	5.3 J	15 J	7.3 J	11700	11700
CB02	04/03/06	6120 J	4660 J				25 U	6.8 J	3.2 UJ	50 U	7900	7590
CB02	04/03/06	6100 J	4490 J				25 U	25 U	3.4 UJ	0.6 UJ	7950	7650
CB02	08/07/06	9720 J	5330 J				25 U	6 J	1.1 J	5	12900	12900
CB02	08/07/06	9910 J	4590 J				25 U	5.7 J	0.88 J	4.9	12500	12500
CB02	10/16/06	2560 J	6860 J				15.4 J	13.3 J	5.4	6.7 J	14800	15000
CB02	10/16/06	3090 J	7530 J				16.7	12.4 J	6.1	6.8 J	15000	14900
CB02	04/09/07	4740 J	4950 J				9 UJ	3.8 J	4.5	4.8	11300	11700
CB02	04/09/07	4900 J	4830 J				11.1 UJ	7.7	4.7	5.4	11500	11700
CB02	06/11/07	1630 J	8150 J				14.9 U	9.2 U	3.6	3.4	12500	12300
CB02	06/11/07	1710 J	8090 J				7.3 U	6.6 UJ	4.4	2.6	12000	12500
CB02	07/16/07	10900 J	14500				8.5 U	5 UJ	11.7	13.3	16400	15800
CB02	07/16/07	10100 J	15600				6.9 U	5.2 UJ	11.8	13.3	16200	15600
CB02	10/02/07	20300	13300				25 U	9.7	18.2	23.4	14100	15300
CB02	10/02/07	19000	12900				25 U	10.1	18.7	20.1	14100	15200
CB02	12/03/07	8960 J	6000				25 U	6.2 U	50 UJ	0.8 UJ	8190	7890
CB02	12/03/07	8500 J	5810				25 U	4.5 U	50 UJ	50 U	7650	7570
CB02	01/17/08		5500					20 U		10 U		8600
CB02	02/14/08		6500					20 U		10 U		9500
CB02	02/14/08		6600					20 U		10 U		9600
CB02	03/12/08		5400					80 U		20 U		12000
CB02	03/12/08		5400					80 U		20 U		12000
CB02	04/07/08	5690 J	5550 J				25 U	9.7 J	5.9 J	6.9	10600	11400
CB02	04/07/08	5860 J	5640 J				25 U	9.2 J	5.6 J	6.7	10600	11200
CB02	07/23/08	9710	10400				25 U	25 U	8.3	12.3 J	10300	11000
CB02	07/23/08	9610	10200				25 U	25 U	8.8	12.2 J	10900	10900
CB02	10/07/08	8510	8600				25 U	25 U	50 U	50 U	9200	9910
CB02	11/19/08		6900					20 U		10 U		7300
CB02	12/16/08	5000	4720 J				25 U	25 U	50 U	50 U	5250	5050

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB02	12/16/08	33000	31400	60 U	60 U	10 U	10 U	200 U	200 U	5 U	1.1 J	39.4	38.5	53700	52200	42.8	42.8	587	561	25300
CB02	02/10/09		61000		60 U		60 U		60 U		24 U		61		81000		80		1000	
CB02	02/10/09		61000		20 U		20 U		20 U		8 U		58		80000		78		1000	
CB02	03/17/09		66000		20 U		20 U		20 U		8 U		79		85000		120		1300	
CB02	03/17/09		65000		20 U		20 U		20 U		8 U		78		84000		120		1300	
CB02	04/09/09	35200 J	31700	60 U	60 U	10 U	10 U	15.3 J	13.7 J	0.88 J	0.89 J	51	49.4	51500 J	47400	71.7	61	757	713	30000
CB02	04/09/09	34100 J	31400	60 U	60 U	10 U	10 U	14.8 J	12.7 J	1 J	0.93 J	51.4	49.1	50900 J	46900	69.9	60.4	759	708	30000
CB02	05/12/09		39000		20 U		20 U		20 U		8 U		49		66000		57		780	
CB02	05/12/09		42000		20 U		20 U		20 U		8 U		49		71000		57		790	
CB02	06/09/09		41000		20 U		20 U		20 U		8 U		49		69000		56		800	
CB02	06/09/09		41000		20 U		20 U		20 U		8 U		50		69000		58		810	
CB02	08/11/09		76000		20 U		20 U		190		8 U		39		84000		110		660	
CB02	09/08/09		49000		20 U		20 U		20 U		8 U		60		97000		65		990	
CB02	09/08/09		50000		20 U		20 U		20 U		8 U		61		98000		66		1000	
CB02	10/15/09	29900	29300	60 U	60 U	10 U	10 U	200 U	10.7 J	1.3 J	0.93 J	37.7	38	59000	57300	41.4	42.9	561	557	23800
CB02	10/15/09	30100	29600	60 U	60 U	10 U	10 U	200 U	11.1 J	1.2 J	1 J	38.6	37.8	60700	58400	41.8	43.7	570	559	23900
CB02	11/09/09		32000		20 U		20 U		20 U		8 U		41		56000		54		650	
CB02	11/09/09		32000		20 U		20 U		20 U		8 U		41		57000		54		660	
CB02	12/07/09	21200	21400	60 U	60 U	10 U	10 U	10.8 J	10.5 J	0.99 J	0.29 J	25.3	25.6	46400	46400	30.9	30.4	415	416	17200
CB02	12/07/09	21400	21000	60 U	60 U	10 U	10 U	11.2 J	9.9 J	5 U	5 U	25.5	25.2	46800	45400	31.8	30	418	409	17300
CB02	01/12/10		26000		20 U		20 U		20 U		8 U		29		54000		35		490	
CB02	01/26/10		19000		20 U		20 U		54		8 U		20		72000		25		320	
CB02	02/10/10		16000		20 U		20 U		20 U		8 U		18		47000		21		300	
CB02	03/09/10		19000		20 U		20 U		23		8 U		21		76000		20 U		380	
CB02	04/06/10	6590 J	6080	60 U	60 U	10 U	10 U	15.8 J	200 U	5 U	5 U	8.5	7.9	41700	37900	6.3 J	5.7 J	140	129	5270 J
CB02	04/06/10	6350 J	5950	60 U	60 U	10 U	10 U	15 J	2.5 J	5 U	5 U	8.3	7.7	41000	37700	6.1 J	5.8 J	134	127	5050 J
CB02	05/04/10		8200		400 U		1600 U		120 U		40 U		120 U		50000		120 U		180	
CB02	05/04/10		8100		400 U		1600 U		120 U		40 U		120 U		49000		120 U		180	
CB02	06/08/10	20000	20000	450 U	200 U	1100 U	4000 U	130 U	60 U	45 U	20 U	130 U	60 U	110000	110000	130 U	60 U	570	560	16000
CB02	06/08/10	20000	20000	450 U	200 U	1100 U	4000 U	130 U	60 U	45 U	20 U	170 U	60 U	110000	110000	130 U	60 U	580	560	16000
CB02	08/17/10	2300	2900	22 U	20 U	22 U	20 U	33	35	9 U	8 U	11 U	10	150000	150000	22 U	20 U	210	210	2500
CB02	08/17/10	2300	3100	22 U	20 U	22 U	20 U	33	35	9 U	8 U	11 U	10	150000	150000	22 U	20 U	210	210	2500
CB02	09/08/10		17000		20 U		20 U		120		8 U		18		180000		34		360	
CB02	10/05/10	1200	2500	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	86000	66000	22 U	20 U	160	120	3200
CB02	11/03/10		1700		20 U		20 U		20 U		8 U		10 U		48000		20 U		96	
CB02	12/07/10	120 U	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	28000	28000	22 U	20 U	44	44	950
CB02	01/18/11	270	2200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	73000	75000	22 U	20 U	100	110	2400
CB02	02/07/11	340	3400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	140000	140000	22 U	20 U	160	160	3300
CB02	03/14/11	460	2600	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	50000	50000	22 U	20 U	95	92	3000
CB02	04/05/11	780	13000	22 U	20 U	22 U	20 U	22 U	61	9 U	8 U	11 U	13	75000	82000	22 U	20 U	130	160	5100
CB02	05/10/11	240 U	870	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	42000	42000	22 U	20 U	25	24	370
CB02	06/07/11	120 U	1100	22 U	20 U	22 U	20 U	24	24	9 U	8 U	11 U	10 U	79000	80000	22 U	20 U	57	54	810
CB02	07/12/11	180	2500	22 U	20 U	22 U	20 U	25	34	9 U	8 U	11 U	10 U	110000	130000	22 U	20 U	92	100	2400
CB02	08/16/11	11000	12000	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	25	24	120000	120000	22 U	20 U	380	370	19000
CB02	09/07/11	3100	5600	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	13	11	84000	81000	22 U	20 U	170	170	7600
CB02	10/03/11	140	2700	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	56000	57000	22 U	20 U	91	91	3500
CB02	11/15/11	120 U	910	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	68000	68000	22 U	20 U	38	37	910
CB02	12/13/11	120 U	780	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	40000	22 U	20 U	30	29	780
CB02	04/11/12	120 U	750	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	49000	51000	22 U	20 U	27	27	790
CB02	06/04/12	250 U	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	54000	54000	22 U	20 U	49	48	1900
CB02	08/13/12	120 U	720	22 U	20 U	22 U	20 U	23	26	9 U	8 U	11 U	10 U	80000	84000	22 U	20 U	55	58	1800
CB02	10/10/12	250 U	66000	22 U	20 U	22 U	20 U	27	430	9 U	8 U	11 U	10 U	66000	96000	22 U	120	39	79	93
CB02	12/03/12	120 U	640	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	69000	67000	22 U	20 U	50	48	1500
CB02	03/25/13	120 U	3100	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	100000	100000	22 U	20 U	39	40	510
CB02	06/11/13	1700	2400	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	76000	85000	22 U	20 U	75	79	3300
CB02	08/13/13	120 U	1600	22 U	20 U	22 U	20 U	23	27	9 U	8 U	11 U	10 U	120000	210000	22 U	20 U	60	90	2000
CB02	10/22/13	370 U	830	200 U	60 U	67 U	20 U	67 U	24	27 U	8 U	34 U	10 U	110000	97000	67 U	20 U	67 U	49	2000
CB02	12/02/13	120 U	320	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	38000	45000	22 U	20 U	22 U	21	710
CB01	01/04/05	94700	98000	60 U	60 UJ	10 UJ	10 U	200 U	200 U	2.7 J	2.8 J	115	114	92400	96000	142	145	1820	1880	76600
CB01	02/28/05	145000	145000	60 UJ	60 UJ	10 U	10 UJ	200 UJ	200 UJ	4.1 J	4.2 J	155	153	138000	136000	190	192	2700	2660	98900
CB01	04/04/05	54100	54100	60 UJ	60 U	10.8 U	10 UJ	2.4	200 U	1.2 J	1.2 J	93.8	98.2 J	53100	51800	128 J	122	1380	1380	52400
CB01	06/06/05	84100	84700	60 UJ	60 UJ	10 UJ	10 U	200 UJ	200 UJ	2.5 J	2.6 J	119	120	89800	90700	134	140	1810	1820	71600
CB01	08/01/05	142000	148000	60 U	60 UJ	10 UJ	10 U	200 UJ	200 UJ	4.6 J	4.8 J	183	180	150000	150000	192	205	2930	2970	102000

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB02	12/16/08	24100	39300	38200	9.6 J	9.6 J	19700	19200	1090	1020					139	133	1980 J	2010 J	35 U	35 U	10 UJ	10 U
CB02	02/10/09	41000		50000		60 U		33000		1800						230				60 U		30 U
CB02	02/10/09	40000		47000		20 U		31000		1800						230				20 U		10 U
CB02	03/17/09	54000		170000		28		38000		1900						280		2500		20 U		10 U
CB02	03/17/09	54000		160000		30		37000		1800						270		2700		20 U		10 U
CB02	04/09/09	28300	94600	90000	4.7 J	6.3 J	21200 J	19200	945	919					159	148	1720 J	1650 J	3.2 J	35 U	15	14
CB02	04/09/09	27900	93100	89000	4.9 J	6 J	20600 J	18800	968	912					158	147	1830 J	1520 J	3.3 J	35 U	21	14
CB02	05/12/09	33000		47000		20 U		24000		1300						170		1900		20 U		10 U
CB02	05/12/09	34000		51000		20 U		26000		1400						180		2000		20 U		10 U
CB02	06/09/09	34000		58000		20 U		25000		1400						180		2200		20 U		10 U
CB02	06/09/09	34000		59000		20 U		26000		1400						180		2200		20 U		10 U
CB02	08/11/09	26000		140000		100		44000		2400						190		9100		20 U		10 U
CB02	09/08/09	39000		57000		20 U		33000		2100						220		3200		20 U		10 U
CB02	09/08/09	39000		58000		20 U		33000		2200						230		3300		20 U		10 U
CB02	10/15/09	24700	37600	38000	10 U	10 U	20100	20100	1160	1140					134	134	2370 J	2180 J	35 U	35 U	10 U	10 U
CB02	10/15/09	25400	38300	38500	10 U	10 U	20400	20300	1170	1150					136	135	2300 J	2230 J	35 U	3.7 J	10 U	10 U
CB02	11/09/09	27000		58000		20 U		20000		1100						140		2200		20 U		10 U
CB02	11/09/09	28000		61000		20 U		21000		1100						140		2200		20 U		10 U
CB02	12/07/09	17000	32400	34100	5.7 J	4.5 J	13900	14200	838	842					94.1	94.6	1680 J	1710 J	4.4 J	35 U	10 U	10 U
CB02	12/07/09	16900	32800	33400	5 J	4 J	14100	14100	847	826					94.4	92.6	1710 J	1690 J	35 U	3 J	10 U	10 U
CB02	01/12/10	20000		35000		20 U		16000		980						110		1900		40 U		10 U
CB02	01/26/10	11000		24000		20 U		14000		1400						81		3800		40 U		10 U
CB02	02/10/10	12000		21000		20 U		12000		760						72		1900		20 U		10 U
CB02	03/09/10	14000		24000		20 U		15000		1400						94		3000		20 U		10 U
CB02	04/06/10	4720	4730	4930	2.6 J	3.8 J	6630 J	5830	665	593					37.3 J	34.9 J	2090 J	1910 J	35 U	35 U	10 U	10 U
CB02	04/06/10	4670	4600	4850	10 U	3.7 J	6430 J	5850	648	606					36 J	34.1 J	2040 J	1900 J	35 U	35 U	10 U	10 U
CB02	05/04/10	6500		6600		400 U		8100		770						240 U		20000 U		800 U		120 U
CB02	05/04/10	6400		6500		400 U		8100		770						240 U		20000 U		800 U		120 U
CB02	06/08/10	15000	14000	14000	900 U	400 U	19000	19000	2300	2200					270 U	240 U	22000 U	10000 U	900 U	400 U	130 U	60 U
CB02	06/08/10	15000	14000	14000	1100 U	400 U	19000	19000	2300	2200					270 U	240 U	22000 U	10000 U	900 U	400 U	130 U	60 U
CB02	08/17/10	2500	180	760	45 U	40 U	17000	18000	2700	2700					98	100	8100	8300	22 U	20 U	11 U	10 U
CB02	08/17/10	2500	180	1200	45 U	40 U	17000	18000	2700	2800					99	100	7900	8200	22 U	20 U	11 U	10 U
CB02	09/08/10	5400		32000		40 U		37000		4400						220		15000		20 U		10 U
CB02	10/05/10	2500	210	2000	22 U	20 U	12000	9100	1100	850					84	65	4800	4100	22 U	20 U	11 U	10 U
CB02	11/03/10	2500		790		40 U		6100		550						45		2600		20 U		10 U
CB02	12/07/10	1000	410	510	22 U	20 U	3600	3600	290	280					22 U	20 U	1900	1900	22 U	20 U	11 U	10 U
CB02	01/18/11	2700	650	910	22 U	20 U	8900	9100	700	710					45	45	2900	3100	22 U	20 U	11 U	10 U
CB02	02/07/11	3800	720	990	22 U	20 U	15000	15000	1100	1100					65	66	4200	4300	45 U	40 U	11 U	10 U
CB02	03/14/11	3100	240	850	22 U	20 U	5300	5300	430	440					53	53	1900	2000	22 U	20 U	11 U	10 U
CB02	04/05/11	7000	480	14000	22 U	20 U	5000	8800	480	690					71	94	2400	5200	22 U	20 U	11 U	10 U
CB02	05/10/11	660	67	380	22 U	20 U	3300	3300	220	220					22 U	20 U	2400	2200	22 U	20 U	11 U	10 U
CB02	06/07/11	1100	120	510	22 U	20 U	6900	6800	570	560					27	27	4100	4000	22 U	40 U	11 U	10 U
CB02	07/12/11	2800	170	2900	22 U	20 U	12000	13000	1500	1600					47	53	5300	6200	22 U	20 U	11 U	10 U
CB02	08/16/11	18000	2000	5000	22 U	20 U	13000	13000	980	980					270	260	5400	5600	45 U	20 U	11 U	10 U
CB02	09/07/11	7700	520	2400	22 U	20 U	7500	7600	610	610					120	120	4000	4000	22 U	20 U	11 U	10 U
CB02	10/03/11	3900	150	890	22 U	20 U	5400	5600	430	450					66	67	3200	3400	22 U	20 U	11 U	10 U
CB02	11/15/11	1100	150	610	22 U	20 U	5900	5800	410	410					25	25	3300	3300	22 U	20 U	11 U	10 U
CB02	12/13/11	920	210	290	22 U	20 U	4100	4100	270	270					22 U	20 U	2300	2200	22 U	20 U	11 U	10 U
CB02	04/11/12	900	120	440	22 U	20 U	4800	5000	380	390					22 U	20 U	2500	2600	22 U	20 U	11 U	10 U
CB02	06/04/12	2100	77	360	22 U	20 U	4000	4100	300	300					34	33	2800	2700	22 U	20 U	11 U	10 U
CB02	08/13/12	2100	45 U	310	22 U	20 U	7400	7500	740	760					40	42	4600	4700	45 U	40 U	11 U	10 U
CB02	10/10/12	2200	95	99000	22 U	120	6200	36000	660	2400					29	130	5000	23000	45 U	40 U	11 U	10 U
CB02	12/03/12	1700	140	280	22 U	20 U	7200	7000	430	430					38	38	4200	4200	22 U	20 U	11 U	10 U
CB02	03/25/13	1300	45 U	2000	22 U	20 U	7600	8200	410	430					24	27	1100 U	1000 U	45 U	40 U	11 U	10 U
CB02	06/11/13	3400	600	700	22 U	40 U	5700	5800	330	330					53	53	1100 U	1000 U	45 U	40 U	11 U	10 U
CB02	08/13/13	2200	110	740	22 U	20 U	9500	13000	710	720					46	72	1100 U	1000 U	45 U	40 U	11 U	10 U
CB02	10/22/13	2100	130 U	160	67 U	20 U	11000	9700	1100	1000					67 U	36	3400 U	1000 U	45 U	40 U	34 U	10 U
CB02	12/02/13	740	68	97	22 U	20 U	3800	4400	200	340					22 U	20 U	1100 U	1000 U	45 U	40 U	11 U	10 U
CB01	01/04/05	78700 J	142000	147000	10 U	10 UJ	52100	55000	2630	2710	0.2 U	0.2 U			392	401	1930	2000	35 U	35 U	10 UJ	10 U
CB01	02/28/05	104000	186000	187000	10 UJ	10 U	78000	76500	4060	4090	0.2 UJ	0.2 U			572	574	1500	1540 J	13.6 J	35 U	10 U	10 U
CB01	04/04/05	51300	219000	223000	R	10 UJ	35900	34800	1510	1500	0.2 UJ	0.2 UJ			270	271	1990	2400	35 U	22.2 UJ	10 U	10 UJ
CB01	06/06/05	71400	161000	163000	10 UJ	R	49400	50300	2540	2530	0.2 U	0.2 U			378	386	1940	1830	35 U	15.1 UJ	10 U	10 U
CB01	08/01/05	91300	217000	213000	10 UJ	10 UJ	83800	86200	4460	4580	0.076 J	0.2 U			614	624	1150	1220 J	35 UJ	35 U	10 UJ	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB02	12/16/08	4760 J	4600 J				25 U	25 U	50 U	50 U	5040	4970
CB02	02/10/09							60 U		30 U		8100
CB02	02/10/09							20 U		10 U		7800
CB02	03/17/09		7100					20 U		10		11000
CB02	03/17/09		7100					20 U		10		11000
CB02	04/09/09	3830 J	3750 J				25 U	25 U	50 U	50 U	6910	6610
CB02	04/09/09	3780 J	3720 J				25 U	25 U	50 U	50 U	6970	6550
CB02	05/12/09		5500					20 U		10 U		6500
CB02	05/12/09		6100					20 U		10 U		6600
CB02	06/09/09		5700					20 U		10 U		6700
CB02	06/09/09		5800					20 U		10 U		6700
CB02	08/11/09		10000					20 U		150		5500
CB02	09/08/09		8400					20 U		10 U		8000
CB02	09/08/09		8500					20 U		10 U		8100
CB02	10/15/09	4950 J	5100				5.3 J	25 U	0.93 J	50 U	5090	5180
CB02	10/15/09	4740 J	5210				6 J	25 U	1.1 J	50 U	5120	5190
CB02	11/09/09		5100					20 U		50 U		5800
CB02	11/09/09		5000					20 U		20 U		5900
CB02	12/07/09	3750 J	3840 J				25 U	25 U	9.5 J	50 U	3530	3550
CB02	12/07/09	3760 J	3760 J				25 U	25 U	50 U	50 U	3550	3490
CB02	01/12/10		4300					20 U		10 U		4000
CB02	01/26/10		3300					20 U		13		2200
CB02	02/10/10		3300					20 U		10 U		2500
CB02	03/09/10		4000					20 U		10 U		2600
CB02	04/06/10	2430 J	2190 J				25 U	25 U	50 U	50 U	977	922
CB02	04/06/10	2380 J	2180 J				25 U	25 U	50 U	50 U	946	908
CB02	05/04/10		20000 U					800 U		120 U		1200
CB02	05/04/10		20000 U					800 U		120 U		1200
CB02	06/08/10	22000 U	10000 U				900 U	800 U	130 U	60 U	3500	3300
CB02	06/08/10	22000 U	10000 U				900 U	800 U	130 U	60 U	3400	3300
CB02	08/17/10	6300	6500				22 U	20 U	11 U	10 U	950	950
CB02	08/17/10	6200	6400				22 U	20 U	11 U	10 U	960	960
CB02	09/08/10		9300					20 U		37		1900
CB02	10/05/10	4000	3100				22 U	20 U	11 U	10 U	770	590
CB02	11/03/10		2200					20 U		10 U		490
CB02	12/07/10	1500	1500				45 U	40 U	11 U	10 U	260	260
CB02	01/18/11	2500	2600				22 U	20 U	22 U	20 U	570	570
CB02	02/07/11	3500	3500				22 U	20 U	22 U	20 U	830	830
CB02	03/14/11	1900	1900				45 U	40 U	22 U	20 U	520	500
CB02	04/05/11	1400	2100				22 U	20 U	22 U	20 U	730	890
CB02	05/10/11	1500	1500				22 U	20 U	22 U	20 U	140	140
CB02	06/07/11	2600	2500				22 U	20 U	56 U	50 U	300	300
CB02	07/12/11	4300	4200				22 U	20 U	56 U	50 U	580	630
CB02	08/16/11	3600	3000				22 U	40 U	56 U	50 U	1900	1800
CB02	09/07/11	2200	2300				22 U	20 U	22 U	20 U	930	900
CB02	10/03/11	2200	2200				22 U	20 U	56 U	50 U	500	500
CB02	11/15/11	2200	2200				22 U	20 U	22 U	20 U	230	230
CB02	12/13/11	1600	1700				22 U	20 U	22 U	20 U	190	190
CB02	04/11/12	1800	1900				22 U	40 U	22 U	20 U	180	180
CB02	06/04/12	1600	1800				22 U	20 U	22 U	20 U	270	270
CB02	08/13/12	2900	3100				22 U	20 U	22 U	20 U	340	360
CB02	10/10/12	3300	6400				22 U	40 U	45 U	160	120	440
CB02	12/03/12	6500	6400				22 U	20 U	22 U	20 U	280	280
CB02	03/25/13	1100 U	1000 U				22 U	20 U	22 U	20 U	190	210
CB02	06/11/13	1100 U	1000 U				22 U	20 U	22 U	20 U	440	430
CB02	08/13/13	1100 U	1000 U				22 U	20 U	22 U	20 U	370	470
CB02	10/22/13	3400 U	1000 U				67 U	20 U	67 U	20 U	420	380
CB02	12/02/13	1100 U	1000 U				22 U	20 U	22 U	20 U	140	160
CB01	01/04/05	7630	8670 J				15.6	17.1	5.5	3.5	14900	15800
CB01	02/28/05	15500	15300 J				16.7	14.4	6 UJ	5.8 J	20700	20500
CB01	04/04/05	1030 UJ	4680 J				8.5 J	18.6	16.2 J	10.2	13500	13100
CB01	06/06/05	7700 J	9430 J				15	16.3	7.4 J	4.4	15100	15600
CB01	08/01/05	14000 J	6150 J				28.1 UJ	29.7	7 UJ	7.7 J	25500	22800

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level												1.13	1.13							11.8
CB01	10/03/05	133000	138000	60 UJ	60 U	10 U	10 U	200 UJ	200 UJ	4.3 J	4.7 J	171	182	141000	150000	179	192	2710	2880	109000
CB01	12/05/05	99300 J	100000 J	60 UJ	60 UJ	9.2 UJ	10 UJ	200 UJ	200 UJ	2.8 J	2.6 J	129 J	119 J	98400 J	92400 J	190 J	173 J	2060 J	1940 J	81000 J
CB01	02/13/06	106000	109000	60 U	60 U	4.7 UJ	10 U	200 UJ	200 UJ	2.6 J	2.4 J	133	139 J	95100	91800	202	196	2250	2210	78700
CB01	04/03/06	69400		60 U		3.6 UJ		200 UJ		1.9 J		82.4		78500		105		1310		51600
CB01	08/07/06	96000	95700	60 U	60 UJ	10 U	R	200 U	200 UJ	3.5 J	3.3 J	121	125	105000	107000	153	153	2150	2100	78500
CB01	10/16/06	120000	119000	60 U	60 U	R	R	200 UJ	200 UJ	4 J	4 J	145	146	128000	129000	171	170	2350	2330	95800
CB01	04/09/07	83200	83200	60 UJ	60 U	R	R	200 UJ	200 UJ	2.1 J	2 J	114.7 J	113	79400	82200	157.5	158	1870	1850	63500
CB01	06/11/07	93300	92600	60 UJ	60 UJ	R	R	200 UJ	200 UJ	3.3 J	3.2 J	109	105	122000	121000	132	120	1890	1830	68200
CB01	07/16/07	121000	120000	60 UJ	8.4 J	R	10 U	200 UJ	200 U	4.7 J	4.3 J	136	137	153000	147000	181 J	167	2450	2420	86900
CB01	09/27/07		81000		100 U		200 U		30 U		10 U		120		110000		120		1700	
CB01	10/02/07	111000	121000	60 UJ	60 UJ	10 UJ	6.9 UJ	200 U	200 UJ	4.5 J	4.5 J	126	131	144000	153000	146	162	2260	2330	86600
CB01	12/03/07	70500	70700	60 U	60 U	6.1 J	10 UJ	4.3 J	200 U	2 J	2.2 J	82.5	82.7	88600	88900	100	98.5	1370	1390	56300
CB01	01/17/08		85000		20 U		40 U		40 U		16 U		110		84000		190		2000	
CB01	02/14/08		84000		40 U		40 U		40 U		16 U		85		94000		130		1700	
CB01	03/12/08		75000		20 U		40 U		40 U		16 U		110		75000		170		1800	
CB01	04/07/08	80500	83500	15.3 J	60 U	10 U	10 U	200 U	200 U	1.9 J	2 J	117 J	127	86600	90800	174	186	1770	1970	73200
CB01	10/07/08	91500	96400	60 U	60 U	10 U	10 U	200 U	200 U	3.3 J	3.3 J	120	124	117000	120000	139	143	1840	1890	76300
CB01	12/16/08	43100	41600	60 UJ	60 U	10 U	2.3 J	200 U	200 U	1.3 J	1.3 J	51.4	49.9	66300	63500	55.9	54.8	765	729	32700
CB01	04/09/09	45000	45000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	65	66	58000	59000	87	88	980	990	40000
CB01	07/28/09	45100	45600	60 U	60 U	10 U	10 U	1 J	5.3 J	1.1 J	1.3 J	66.7	64.3	61400	61500	74.6	73.1	998	1010	42400
CB01	07/28/09	46200	44900	60 U	60 U	10 U	10 U	1.3 J	5.1 J	1.1 J	1.3 J	66.1	63.8	63200	60600	71.4	71.7	994	995	41700
CB01	11/09/09		73000		60 U		60 U		60 U		24 U		100		93000		130		1600	
CB01	12/07/09	54200	55700	60 U	60 U	10 U	10 U	7.2 J	7.6 J	1.5 J	0.83 J	65.3	67	90000	91600	80.9	81.9	1060	1070	44400
CB01	01/12/10		69000		40 U		40 U		40 U		16 U		80		99000		100		1300	
CB01	01/26/10		45000		20 U		20 U		100		8 U		46		140000		58		770	
CB01	02/10/10		59000		20 U		20 U		20 U		8 U		60		98000		79		1000	
CB01	03/09/10		55000		40 U		40 U		48		16 U		65		160000		56		1200	
CB01	04/06/10	21500 J	18900	60 U	60 U	10 U	10 U	11.5 J	200 U	0.79 J	5 U	29.3	24.6	93600	80400	21.4	20	473	402	17600 J
CB01	05/04/10		29000		400 U		1600 U		120 U		40 U		120 U		130000		120 U		640	
CB01	06/08/10	36000	33000	560 U	200 U	1100 U	4000 U	170 U	60 U	56 U	20 U	170 U	60 U	150000	140000	170 U	60 U	960	910	28000
CB01	08/17/10	9800	12000	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	250000	250000	90 U	80 U	520	540	6900
CB01	09/08/10		4100		80 U		80 U		80 U		32 U		40 U		220000		80 U		480	
CB01	10/05/10	1500	3400	90 U	80 U	90 U	80 U	90 U	80 U	36 U	32 U	45 U	40 U	140000	130000	90 U	80 U	320	290	6300
CB01	11/03/10		4800		20 U		20 U		20 U		8 U		16		110000		20 U		280	
CB01	12/07/10	1000	3700	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10	91000	95000	22 U	20 U	180	180	4400
CB01	01/18/11	1300	8400	22 U	20 U	22 U	20 U	22 U	25	9 U	8 U	14	14	200000	200000	22 U	20 U	260	260	7400
CB01	02/07/11	620	6600	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	15	16	290000	290000	22 U	20 U	290	300	7400
CB01	03/14/11	3500	7600	45 U	20 U	45 U	20 U	45 U	20 U	18 U	8 U	22 U	20	140000	140000	45 U	20 U	310	320	11000
CB01	04/05/11	2000	9900	22 U	20 U	22 U	20 U	22 U	37	9 U	8 U	14	16	100000	110000	22 U	20 U	180	190	7200
CB01	05/10/11	240 U	950	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	160000	160000	22 U	20 U	65	63	1100
CB01	06/07/11	120 U	250	22 U	20 U	22 U	20 U	32	31	9 U	8 U	11 U	10 U	270000	260000	22 U	20 U	85	77	980
CB01	07/12/11	120 U	260	22 U	20 U	22 U	20 U	32	35	9 U	8 U	12	12	310000	330000	22 U	20 U	170	190	1200
CB01	08/16/11	13000	14000	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	29	28	130000	130000	22 U	20 U	450	430	22000
CB01	08/29/11	2300	3700	0.46 U	0.46 U	0.29 U	0.29 U	23 ^	23 ^	0.35 J	0.37 J	9.1 ^	7.8	78000 B	75000	2.3	2.5	120 ^	120 ^ B	6400 ^
CB01	09/07/11	6500	8200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	20	18	130000	120000	22 U	20 U	280	270	12000
CB01	10/03/11	3000	6200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	13	13	97000	98000	22 U	20 U	200	200	8100
CB01	11/15/11	120 U	1100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	190000	190000	22 U	20 U	94	93	2400
CB01	12/13/11	120 U	1900	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	110000	120000	22 U	20 U	88	88	2200
CB01	04/10/12	120 U	920	22 U	40 U	22 U	40 U	22 U	40 U	9 U	16 U	11 U	20 U	160000	170000	22 U	40 U	81	85	2100
CB01	06/04/12	250 U	2300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	120	120	5100
CB01	08/13/12	120 U	2500	22 U	20 U	22 U	20 U	25	29	9 U	8 U	14	15	220000	240000	22 U	20 U	210	220	4500
CB01	10/09/12	120 U	2100	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	100000	100000	22 U	20 U	130	130	3700
CB01	12/03/12	360	1300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	120000	120000	22 U	20 U	100	97	3000
CB01	03/25/13	220	4500	22 U	20 U	22 U	20 U	22 U	29	9 U	8 U	11 U	10 U	150000	150000	22 U	20 U	56	58	950
CB01	06/11/13	3700	4500	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11	12	130000	140000	22 U	20 U	150	150	6600
CB01	08/13/13	1000	6300	22 U	20 U	22 U	20 U	25	25	9 U	8 U	11 U	10 U	190000	120000	22 U	20 U	86	62	1900
CB01	10/22/13	370 U	860	200 U	60 U	67 U	20 U	67 U	20	27 U	8 U	34 U	11	210000	180000	67 U	20 U	150	140	3400
CB01	12/02/13	150	590	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	76000	72000	22 U	20 U	57	55	1500

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level		11.8	1000	1000	3.18	3.18									158	158			5	5		
CB01	10/03/05	114000	132000	145000	R	R	77300	83500	4330	4570	0.2 UJ	0.067 J			598	636	1390	1290	35 U	35 U	10 U	10 UJ
CB01	12/05/05	74500 J	269000 J	242000 J	R	10 UJ	59800 J	54300 J	2680 J	2490 J	0.2 UJ	0.2 UJ			424 J	402 J	2360 J	2230 J	7.1 UJ	35 UJ	10 UJ	10 UJ
CB01	02/13/06	75400	340000	333000	10 U	10 U	58800	57800	2560	2430	0.2 U	0.2 U			446	431	1670	1550	35 U	41.3	R	10 U
CB01	04/03/06		124000		R		38800		2000		0.2 U				282		1900 J		35 UJ		10 U	
CB01	08/07/06	79100	196000	196000	R	10 U	55400	58100	2770	2860	0.2 U	0.44 J			423	440	1940	1910	35 UJ	35 U	R	R
CB01	10/16/06	94000	171000	169000	10 UJ	10 UJ	69000	70300	3560	3510	0.2 U	0.2 U			508	505	1610	1610	35 U	35 U	10 U	10 U
CB01	04/09/07	64800	287000	286000	10 U	10 U	47300	50100	2010	2000	0.2 U	0.2 U			366	373	1840	1640	35 U	35 U	10 U	10 U
CB01	06/11/07	67700	174000	171000	5.9 UJ	20.1 UJ	56000	57900	2910	2880	0.2 U	0.2 U			407	404	1450	1350	35 UJ	35 U	10 U	10 U
CB01	07/16/07	79800	219000	211000	10 U	R	75300	71900	3850	3740	0.2 U	0.2 UJ			535	511	1020	997	35 U	6.7 J	10 U	2.4 UJ
CB01	09/27/07	70000		64000		100 U		50000		2900						420		5000 U		100 U		30 U
CB01	10/02/07	104000	139000	152000	R	10 UJ	68000	74200	3870	4140	0.2 U	0.2 UJ			494	537	1050	1170	35 UJ	24.1 UJ	10 UJ	10 U
CB01	12/03/07	56200	106000	105000	10 U	R	40400	39900	2010	2050	0.2 U	0.2 U			304	298	2470 J	2490	13.3 UJ	10.6 J	R	10 UJ
CB01	01/17/08	81000		250000		46		52000		2100						390		2000		40 U		20 U
CB01	02/14/08	68000		160000		40 U		47000		2300						350		1300		40 U		20 U
CB01	03/12/08	71000		270000		40 U		46000		1900						350		1800		40 U		20 U
CB01	04/07/08	75100	255000	273000	10 UJ	10 UJ	45000	48300	2020	2130	0.2 U	0.2 UJ			356	377	1780	2170	35 UJ	35 U	10 U	10 U
CB01	10/07/08	74700	117000	122000	11.5 J	14.6 J	53900	56900	3110	3210					396	412	1190	1310	10.9	10 J	10 UJ	2.7 J
CB01	12/16/08	31100	53600	52000	12 J	12.3 J	25400	25000	1390	1280					181	172	2190 J	2170 J	35 U	35 U	10 UJ	10 UJ
CB01	04/09/09	41000	130000	130000	22 U	20 U	26000	26000	1200	1200					200	210	2000	2000	22 U	20 U	11 U	10 U
CB01	07/28/09	41900	79100	82700	2.8 UJ	79.6 J	28600	28600	1360	1390					217	213	2300 J	2460 J	4.8 J	6.7 J	10 U	10 U
CB01	07/28/09	41300	80900	80900	3.5 UJ	74.2 J	29100	28300	1370	1370					216	211	2360 J	2420 J	6.1 J	7.4 J	10 U	10 U
CB01	11/09/09	69000		150000		60 U		43000		2100						330		3000 U		60 U		30 U
CB01	12/07/09	44800	85300	91200	14.3	8.6 J	32900	34200	1920	1980					235	236	2100 J	2190 J	7.4 J	4.5 J	10 U	10 U
CB01	01/12/10	55000		100000		40 U		39000		2200						290		2000 U		80 U		20 U
CB01	01/26/10	28000		59000		20 U		31000		3000						190		6600		40 U		10 U
CB01	02/10/10	45000		82000		20 U		35000		2100						240		2200		20 U		10 U
CB01	03/09/10	42000		83000		40 U		39000		3800						270		5400		40 U		20 U
CB01	04/06/10	14800	17800	20600	10 U	8.1 J	17300 J	15000	2010	1720					121	103	3070 J	2880 J	35 U	35 U	10 U	10 U
CB01	05/04/10	24000		25000		400 U		25000		2500						240 U		20000 U		800 U		120 U
CB01	06/08/10	26000	29000	28000	1100 U	400 U	30000	28000	3400	3300					330 U	300	28000 U	10000 U	1100 U	400 U	170 U	60 U
CB01	08/17/10	7300	1800	9300	180 U	160 U	38000	39000	7200	7400					240	250	17000	19000	90 U	80 U	45 U	40 U
CB01	09/08/10	6100		430		160 U		42000		5700						270		11000		80 U		40 U
CB01	10/05/10	5900	1500	1600	90 U	80 U	20000	18000	1800	1600					160	150	6900	5900	90 U	80 U	45 U	40 U
CB01	11/03/10	7700		890		40 U		14000		1400						130		4500		20 U		10 U
CB01	12/07/10	4800	230	550	22 U	20 U	11000	11000	910	950					84	87	3600	3600	22 U	20 U	11 U	10 U
CB01	01/18/11	8200	390	2600	22 U	20 U	21000	22000	1300	1300					110	110	5200	5800	22 U	20 U	11 U	10 U
CB01	02/07/11	8600	160	490	22 U	20 U	26000	26000	1500	1500					120	120	6100	6700	45 U	40 U	11 U	10 U
CB01	03/14/11	12000	97	390	45 U	20 U	14000	14000	1100	1200					180	180	3700	4000	45 U	20 U	22 U	10 U
CB01	04/05/11	8400	650	8000	22 U	20 U	6200	8500	600	730					92	110	3100	4600	22 U	20 U	11 U	10 U
CB01	05/10/11	1700	45 U	100	22 U	20 U	8600	8400	510	500					34	33	5600	5500	22 U	20 U	11 U	10 U
CB01	06/07/11	1100	53	170	22 U	20 U	16000	15000	870	830					40	37	8800	8400	22 U	40 U	11 U	10 U
CB01	07/12/11	1500	45 U	280	22 U	20 U	23000	24000	1600	1700					100	110	11000	12000	22 U	20 U	11 U	10 U
CB01	08/16/11	22000	2900	5600	22 U	20 U	15000	14000	1100	1100					310	300	5700	5600	45 U	20 U	11 U	10 U
CB01	08/29/11	6200 ^	1100	1700 ^ B	3.7	3.2 ^	7900	7000	720 ^ B	690 ^			1.6 U	1.6 U	79	77 ^	4600	4200	1.2 J	1.1 J	0.1 ^ U	0.1 ^ U
CB01	09/07/11	12000	850	2500	22 U	20 U	11000	11000	900	880					200	190	5100	5000	22 U	20 U	11 U	10 U
CB01	10/03/11	8700	200	1100	22 U	20 U	9200	9600	800	840					150	150	4400	4700	22 U	20 U	11 U	10 U
CB01	11/15/11	3000	45 U	120	22 U	20 U	12000	12000	500	510					70	70	6600	6800	22 U	20 U	11 U	10 U
CB01	12/13/11	2800	230	500	22 U	20 U	10000	10000	450	450					55	57	4200	4300	22 U	20 U	11 U	10 U
CB01	04/10/12	2600	45 U	160 B,J2	22 U	40 U	11000	12000	590	640					54	57	4900	5600	45 U	40 U	11 U	20 U
CB01	06/04/12	5500	85	180	22 U	20 U	7600	7500	580	560					87	83	4400	4500	22 U	20 U	11 U	10 U
CB01	08/13/12	5600	45 U	700	22 U	20 U	17000	17000	1300	1400					160	170	8800	9400	45 U	40 U	11 U	10 U
CB01	10/09/12	4500	92	170	22 U	20 U	10000	10000	640	680					100	100	5000	5200	22 U	40 U	11 U	10 U
CB01	12/03/12	3100	140	230	22 U	20 U	11000	11000	650	630					80	78	4900	4500	22 U	20 U	11 U	10 U
CB01	03/25/13	1700	120	3500	22 U	20 U	10000	11000	520	570					33	38	1100 U	1000 U	45 U	40 U	11 U	10 U
CB01	06/11/13	6600	1300	1400	22 U	40 U	8500	8500	550	530					98	98	1100 U	1000 U	45 U	40 U	11 U	10 U
CB01	08/13/13	4200	360	2600	22 U	20 U	13000	9900	690	740					70	47	1100 U	1000 U	45 U	40 U	11 U	10 U
CB01	10/22/13	3500	250	350	67 U	20 U	17000	16000	1100	990					120	110	3400 U	1000 U	45 U	40 U	34 U	10 U
CB01	12/02/13	1600	57	140	22 U	20 U	7000	6700	340	340					48	47	1100 U	1000 U	45 U	40 U	11 U	10 U

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

		Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level											106	106
CB01	10/03/05	12500	9410 J				20.7	19.1	4.4 UJ	5 UJ	22000	23300
CB01	12/05/05	10800 J	8710 J				20 J	17.6 J	11.2 J	1.4 J	19400 J	18300 J
CB01	02/13/06	8790 J	7710 J				23	13.3	29.2 J	14.1 J	20700	20600
CB01	04/03/06	8050 J					10 J		4.6 J		11700	
CB01	08/07/06	10900 J	4630 UJ				7 J	11.2	0.84 J	6.4	17900	17800
CB01	10/16/06	1780 UJ	7910 J				20.8	18.1	4.9	6.3 J	20000	19700
CB01	04/09/07	6270 J	6470 J				9.1 UJ	11.1	7.3	9.3	17600	17700
CB01	06/11/07	1790 UJ	8560 J				15.8 U	11.3 U	4.2	3	16000	16400
CB01	07/16/07	11400 J	16200 J				18.1 U	11.4 UJ	50 UJ	3.8	20900	19500
CB01	09/27/07		14000					200 U		30 U		16000
CB01	10/02/07	21200	13500 J				25 U	10.4	50 U	50 UJ	17400	18900
CB01	12/03/07	12100 J	8130				5 J	6.8 U	50 UJ	1.2 UJ	11600	11300
CB01	01/17/08		8300					40 U		20 U		18000
CB01	02/14/08		8600					80 U		20 U		14000
CB01	03/12/08		6400					80 U		20 U		16000
CB01	04/07/08	7300 J	6760 J				8.6 J	12.4 J	9.7 J	10.6	15700	17100
CB01	10/07/08	11400	11400 J				25 U	25 U	50 U	50 U	14300	15300
CB01	12/16/08	5950	5680				25 U	25 U	50 U	50 U	6600	6460
CB01	04/09/09	4900	5000				22 U	20 U	11 U	10 U	8900	8800
CB01	07/28/09	6120	6610				25 U	25 U	50 U	50 U	9320	9320
CB01	07/28/09	6370	6480				25 U	25 U	50 U	50 U	9190	9200
CB01	11/09/09		9700					60 U		150 U		14000
CB01	12/07/09	8060	8470				25 U	25 U	50 U	50 U	8990	9090
CB01	01/12/10		9300					40 U		20 U		11000
CB01	01/26/10		6400					20 U		31		5200
CB01	02/10/10		8800					20 U		10 U		8600
CB01	03/09/10		8900					40 U		20 U		7600
CB01	04/06/10	5340	4590 J				25 U	25 U	50 U	50 U	3330	2870
CB01	05/04/10		20000 U					800 U		120 U		4500
CB01	06/08/10	28000 U	10000 U				1100 U	800 U	170 U	60 U	5900	5600
CB01	08/17/10	12000	13000				90 U	80 U	45 U	40 U	2400	2400
CB01	09/08/10		9700					80 U		40 U		2600
CB01	10/05/10	5900	5200				90 U	80 U	45 U	40 U	1500	1300
CB01	11/03/10		4000					20 U		10 U		1300
CB01	12/07/10	3100	3200				45 U	40 U	11 U	10 U	920	940
CB01	01/18/11	4600	4800				22 U	20 U	22 U	20 U	1300	1300
CB01	02/07/11	5100	5400				22 U	20 U	22 U	20 U	1400	1400
CB01	03/14/11	3100	3100				45 U	20 U	45 U	20 U	1600	1600
CB01	04/05/11	1500	1800				22 U	20 U	22 U	20 U	980	1100
CB01	05/10/11	3000	2900				22 U	20 U	22 U	20 U	300	300
CB01	06/07/11	5100	4900				22 U	20 U	56 U	50 U	330	310
CB01	07/12/11	6500	6700				22 U	20 U	56 U	50 U	720	760
CB01	08/16/11	3600	3200				22 U	40 U	56 U	50 U	2200	2100
CB01	08/29/11	3000 B	2700	220 ^ B	210 ^		0.12 J	0.12 J	1.4 J	0.57 J	810 ^	660 ^
CB01	09/07/11	3000	3000				22 U	20 U	22 U	20 U	1500	1400
CB01	10/03/11	2900	3300				22 U	20 U	56 U	50 U	1100	1000
CB01	11/15/11	3400	3500				22 U	20 U	22 U	20 U	480	490
CB01	12/13/11	2900	2900				22 U	20 U	22 U	20 U	480	480
CB01	04/10/12	3000	3200				22 U	80 U	22 U	40 U	360	380
CB01	06/04/12	2500	2400				22 U	20 U	22 U	20 U	650	620
CB01	08/13/12	5100	5500				22 U	20 U	22 U	20 U	1000	1100
CB01	10/09/12	3300	3400				22 U	40 U	22 U	20 U	690	700
CB01	12/03/12	3000	2900				22 U	20 U	22 U	20 U	540	530
CB01	03/25/13	1100 U	1000 U				22 U	20 U	22 U	20 U	260	280
CB01	06/11/13	1100 U	1000 U				22 U	20 U	22 U	20 U	830	820
CB01	08/13/13	1100 U	1000 U				22 U	20 U	22 U	20 U	440	400
CB01	10/22/13	3400 U	1000 U				67 U	20 U	67 U	20 U	1100	960
CB01	12/02/13	1100 U	1000 U				22 U	20 U	22 U	20 U	300	320

Notes:
T = total mass concentration
D = dissolved concentration
J = Estimated value
U/UG = Not detected above listed value

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

	Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L	Copper D UG/L
Cleanup Level											1.13	1.13							11.8

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L	Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L
Cleanup Level	11.8	1000	1000	3.18	3.18									158	158			5	5		

Table 6: Copperas Brook Surface Water Monitoring Data - Metals
Elizabeth Mine, South Strafford, Vermont

	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level										106	106

B = Anayte detected in associated blank sample
R = Rejected result
µg/L - micrograms per liter

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB16	08/11/10														7090	1.037	
CB16	08/12/10														4700	1.038	
CB16	08/16/10														6540	0.712	
CB16	08/17/10														6970	0.909	
CB16	08/19/10														6900	0.888	
CB16	08/19/10														6710	0.911	
CB16	08/20/10														5470	1.27	
CB16	08/23/10														5260	2.141	
CB16	08/23/10														3610	1.464	
CB16	08/23/10														3810	1.26	
CB16	08/24/10														6480	0.629	
CB16	08/25/10														5880	0.782	
CB16	08/26/10														6160	0.738	
CB16	08/30/10														6660	0.602	
CB16	08/31/10														0		
CB16	09/01/10														7460	0.516	
CB16	09/02/10														6780	0.835	
CB16	09/03/10														6920	0.82	
CB16	09/07/10														7820	0.601	
CB16	09/08/10														7510	0.535	
CB16	09/09/10														7480	0.584	
CB16	09/10/10														6320	0.54	
CB16	09/14/10														7280	0.593	
CB16	09/15/10														7050	0.7	
CB16	09/16/10												8.57		7410	0.595	
CB16	09/17/10														6030	0.929	
CB16	09/20/10														7040	0.76	
CB16	09/21/10														7320	0.717	
CB16	09/22/10														7280	0.715	
CB16	09/27/10														7840	0.393	
CB16	09/28/10														6420	0.633	
CB16	09/29/10														4480	1.381	
CB16	09/30/10														5270	0.759	
CB16	10/01/10														5080	0.539	
CB16	10/04/10														6150	0.609	
CB16	10/05/10														6940	0.562	
CB16	10/06/10														6810	0.538	
CB16	10/07/10														6520	0.559	
CB16	10/11/10														7030	0.496	
CB16	10/12/10														6860	0.485	
CB16	10/13/10														7050	0.449	
CB16	10/14/10												7.03		6930	0.461	
CB16	10/15/10												7.42		6180	0.4	
CB16	10/18/10												7.69		6920	0.253	
CB16	10/19/10												6.82		7150	0.329	
CB16	10/20/10												4.94		7130	0.281	
CB16	10/21/10												6.38		7120	0.305	
CB16	10/22/10												5.08		7190	0.323	
CB16	10/25/10												6.85		7260	0.453	
CB16	10/26/10												8.31		6960	0.378	
CB16	10/27/10														7140	0.433	
CB16	10/28/10														9360	0.284	
CB16	10/29/10												8.47		6560	0.241	
CB16	11/01/10												4.41		6760	0.176	
CB16	11/02/10												4.9		16830	0.32	
CB16	11/04/10												4.86		-9990	0.272	
CB16	11/05/10												5.95		-9990	0.355	
CB16	11/08/10												4.07		-9990	0.278	
CB16	11/09/10												5.27		-9990	0.244	
CB16	11/10/10												6.01		10270	0.255	
CB16	11/11/10												4.67		16040	0.26	
CB16	11/12/10												2.69		5980	0.253	
CB16	11/15/10												5.7		-9990	0.258	
CB16	11/17/10												7.36		8070	0.458	
CB16	11/18/10												5.01		7820	0.241	
CB16	11/19/10												3.55		7990	0.249	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB16	11/22/10												2.47		7660	0.226	
CB16	11/29/10												0.68		20700	0.261	
CB16	11/30/10												0.84		9920	0.247	
CB16	12/01/10												3.07		8220	0.667	
CB16	12/02/10												3.83		8070	0.229	
CB16	12/03/10												2.79		7940	0.196	
CB16	12/06/10												0.15		8050	0.195	
CB16	12/07/10												0.11		7200	0.205	
CB16	12/08/10												0.08		7010	0.201	
CB16	12/13/10												0.07		6420	0.148	
CB16	05/25/11												7.28		0.701		
CB16	05/25/11												7.28		701	16.42	
CB16	05/26/11												7.12		0.749	0.233	
CB16	05/27/11												7.4		0.744	0.31	
CB16	05/31/11												7.38		0.871	0.282	
CB16	06/01/11												6.71		1.065	0.283	
CB16	06/02/11												6.7		1.22	16.28	
CB16	06/03/11												6.5		1.251	12.22	
CB16	06/06/11												6.55		1.382	16.11	
CB16	06/07/11												6.72		1.6133	18.62	
CB16	06/08/11												7.32		1.674	19.37	
CB16	06/09/11												7.28		1.227	18.13	
CB16	06/10/11												6.97		1.402	17.8	
CB16	06/13/11												6.15		1.25	14.78	
CB16	06/14/11												7.22		0.685	13.93	
CB16	06/15/11												6.6		1.219	17.48	
CB16	06/16/11												6.77		1.18	15.95	
CB16	06/17/11												7.02		1.411	15.91	
CB16	06/20/11												6.55		1.678	18.49	
CB16	06/21/11												6.62		1.818	17.68	
CB16	06/22/11												6.83		1.857	16.66	
CB16	06/23/11												7.03		0.981	15.39	
CB16	06/24/11												6.67		0.578	14.71	
CB16	06/27/11												7.08		1.315	18.16	
CB16	06/28/11												6.83		1.477	16.83	
CB16	06/29/11												6.98		2507	19.99	
CB16	06/29/11												6.98		2.507		
CB16	06/30/11												6.72		1.54	17.73	
CB16	07/01/11												6.54		1655	16.9	
CB16	07/01/11												6.54		1.655		
CB16	07/05/11												6.2		1.609	19.83	
CB16	07/06/11												6.48		2.08	18.71	
CB16	07/07/11												6.53		2.008	18.39	
CB16	07/08/11												6.49		2.195	17.56	
CB16	07/11/11												6.94		1.866	19.9	
CB16	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB16	07/12/11												6.9		1.976		
CB16	07/12/11												6.9		1976	22.05	
CB16	07/13/11												6.18		2221	20.82	
CB16	07/13/11												6.18		2.221		
CB16	07/14/11												6.92		2.406	18.61	
CB16	07/15/11												6.63		2.418	19.69	
CB16	07/18/11												6.08		1.579		
CB16	07/18/11												6.08		1579	19.26	
CB16	07/19/11												6.64		1.554		
CB16	07/19/11												6.64		1554	19.88	
CB16	07/20/11												6.87		1.751	16.9	
CB16	07/21/11												6.4		1.874	18.65	
CB16	07/22/11												6.02		2.197	22.32	
CB16	07/25/11												6.49		2.363	17.61	
CB16	07/26/11												6.61		1.88	19.94	
CB16	07/27/11												6.77		2.756	21.81	
CB16	07/28/11												6.58		2876	19.12	
CB16	07/28/11												6.58		2.876		
CB16	07/29/11												6.44		2.936	19.55	
CB16	08/01/11												6.29		1.802	18.13	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB16	08/02/11												6.32		1.863	16.79	
CB16	08/03/11												6.3		1.636	15.94	
CB16	08/04/11												6.59		1.825	19.8	
CB16	08/05/11												6.45		1.794	17.25	
CB16	08/08/11												6.72		1740	21.64	
CB16	08/08/11												6.72		1.74		
CB16	08/09/11												6.33		2194	20.14	
CB16	08/09/11												6.33		2.194		
CB16	08/10/11												6.15		1.317	19.84	
CB16	08/11/11												7.48		1.838	18.14	
CB16	08/12/11												6.8		2.198	18.11	
CB16	08/15/11												6.55		0.782	18.57	
CB16	08/15/11												6.29		0.646	18.54	
CB16	08/16/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	08/16/11												6.22		0.819	17.28	
CB16	08/17/11												6.4		1.325	18.45	
CB16	08/18/11												6.96		1.846	16.01	
CB16	08/19/11												6.73		1.927	17.4	
CB16	08/22/11												7.41		0.87	17.25	
CB16	08/23/11												7.15		1.593	16.09	
CB16	08/24/11												7.36		0.86	18.96	
CB16	08/25/11												7.14		2.031	17.45	
CB16	08/26/11												7.12		2.066	17.44	
CB16	08/29/11												6.44		0.456	16.34	
CB16	08/30/11												6.44		0.573	19.44	
CB16	08/31/11												7.89		0.646	19.47	
CB16	09/01/11												7.68		0.777	16.42	
CB16	09/02/11												7.62		0.792	17.22	
CB16	09/06/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	09/06/11												7.17		0.582	16.98	
CB16	09/07/11												6.78		0.557	17.09	
CB16	09/08/11												7.73		0.42		
CB16	09/08/11												7.73		420	15.08	
CB16	09/09/11												8.07		0.524	16.84	
CB16	09/12/11												7.05		1.056	16.28	
CB16	09/13/11												7.76		1.128	16.76	
CB16	09/14/11												7.76		0.763	17.68	
CB16	09/15/11												7.43		872	15.13	
CB16	09/15/11												7.43		0.872		
CB16	09/16/11												7.09		0.742	11.91	
CB16	09/19/11												7.55		1.138	12.92	
CB16	09/20/11												7.4		0.848	12.44	
CB16	09/21/11												6.68		0.99	15.62	
CB16	09/22/11												7.55		1.572	14.33	
CB16	09/23/11												7.39		1.013	15.94	
CB16	09/26/11												7.72		0.824	16.02	
CB16	09/27/11												7.72		0.824	17.09	
CB16	09/28/11												7.56		0.739	17.66	
CB16	09/29/11												7.12		0.669	15.95	
CB16	09/30/11												14.9		0.499	14.9	
CB16	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	10/03/11												7.08		0.741	14.95	
CB16	10/04/11												6.67		0.509	13.64	
CB16	10/05/11												7.24		0.582	11.8	
CB16	10/06/11												7.39		0.532	8.07	
CB16	10/07/11												7.08		1.089	9.48	
CB16	10/10/11												6.54		0.748	14.79	
CB16	10/11/11												6.47		0.761	13.34	
CB16	10/12/11												6.91		0.67	12.04	
CB16	10/13/11												7.37		0.382	11.95	
CB16	10/14/11												7.36		0.627	13.66	
CB16	10/17/11												7.47		0.666	10.94	
CB16	10/18/11												7.25		0.761	11	
CB16	10/19/11												7.39		0.773	10.03	
CB16	10/20/11												6.81		0.803	11.42	
CB16	10/21/11												7.23		0.779	10.22	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB16	10/24/11												7.17		0.857	8.33	
CB16	10/25/11												7.2		0.829	9.07	
CB16	10/26/11												6.53		0.969	6.98	
CB16	10/27/11												7.23		0.807	6.97	
CB16	10/28/11												7.11		0.907	5.18	
CB16	10/31/11												7.15		1.037	3.26	
CB16	11/01/11												7.25		1.384	5.6	
CB16	11/02/11												7.1		1.193	3.61	
CB16	11/03/11												6.75		1.882	5.11	
CB16	11/04/11												6.41		1.152	5.12	
CB16	11/07/11												7.09		0.976	1.79	
CB16	11/08/11												6.82		1.094	5.18	
CB16	11/09/11												7.13		1.045	8.07	
CB16	11/10/11												7.1		0.989	7.63	
CB16	11/11/11												7.15		1.029	7.05	
CB16	11/14/11												6.21		1.492	7.32	
CB16	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	11/15/11												6.63		1.248	9.08	
CB16	11/16/11												6.39		1.464	5.48	
CB16	11/17/11												6.42		2.704	6.93	
CB16	11/18/11												6.53		1.419	4.03	
CB16	11/28/11												6.21		0.94	3.61	
CB16	11/29/11												6.41		0.905	5.14	
CB16	11/30/11												6.38		0.642	7.83	
CB16	12/01/11												6.25		0.761	3.76	
CB16	12/02/11												6.58		0.924	2.08	
CB16	12/13/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	01/17/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	02/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	03/06/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	03/06/12												6.46		1.744	-0.03	
CB16	03/22/12												6.72		0.675	10.73	
CB16	04/03/12												6.65		0.882	4.55	
CB16	04/04/12												6.63		0.956	3.38	
CB16	04/05/12												6.72		0.901	3.93	
CB16	04/06/12												6.37		1.006	2.66	
CB16	04/09/12												6.38		1.012	5.65	
CB16	04/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	04/10/12												6.55		794	5.6	
CB16	04/10/12												6.55		0.794		
CB16	04/11/12												6.36		0.808	6.1	
CB16	04/12/12												6.38		0.9	4.94	
CB16	04/13/12												6.98		0.749	4.31	
CB16	04/16/12												6.88		0.612	13.78	
CB16	04/17/12												6.8		0.74	12.78	
CB16	04/18/12												6.6		0.714	9.28	
CB16	04/19/12												7.16		0.723	8.76	
CB16	04/20/12												6.3		0.699	12.3	
CB16	04/23/12												6.7		0.39	7.18	
CB16	04/23/12												7.07		0.375	8.01	
CB16	04/24/12												7.61		0.375	9.06	
CB16	04/26/12												6.74		0.41	6.8	
CB16	04/27/12												7.02		0.394	7.55	
CB16	04/30/12												7.15		0.414	9.26	
CB16	05/01/12												6.8		0.427	7.07	
CB16	05/02/12												7.13		0.377	7.93	
CB16	05/03/12												6.82		0.425	8.45	
CB16	05/07/12												7.4		0.448	12.97	
CB16	05/08/12												6.57		0.446	9.9	
CB16	05/09/12												6.7		0.587	10.59	
CB16	05/10/12												6.68		0.453	11.82	
CB16	05/11/12												7.42		0.458	10.51	
CB16	05/14/12												6.73		0.528	13.5	
CB16	05/15/12												6.94		0.501	13.51	
CB16	05/16/12												7.07		0.503	12.54	
CB16	05/17/12												7.45		0.52	11.93	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB16	05/18/12												7.22		0.584	10.86	
CB16	05/21/12												7.35		0.703	17.83	
CB16	05/22/12												7.28		0.791	17.03	
CB16	05/23/12												6.89		0.731	16.14	
CB16	05/30/12												7.41		0.561	19.1	
CB16	06/05/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	06/05/12												7.56		0.681	13.86	
CB16	06/13/12												7.45		0.796	16.63	
CB16	06/19/12												7.73		2.282	18.58	
CB16	06/25/12												7.48		0.727	17.4	
CB16	07/03/12												6.81		1.387	17.3	
CB16	07/05/12												6.34		0.887	19.04	
CB16	07/10/12												5.78		1.705	17.36	
CB16	07/18/12												7.14		0.978		
CB16	07/25/12												6.9		1.575		
CB16	07/30/12												6.27		0.884		
CB16	08/06/12												6.85		1.239		
CB16	08/13/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB16	08/15/12												6.93		1.378		
CB16	08/16/12												6.58		0.431		
CB16	08/28/12												6.96		0.671		
CB16	09/04/12												6.38		0.913		
CB16	09/11/12												5.82		1.929		
CB16	09/14/12												6.23		2.046		
CB16	09/19/12												6.86		0.655		
CB16	10/09/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	12/03/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB16	02/12/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	03/26/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB16	10/23/13		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB16	10/29/13																
CB16	10/29/13																
CB16	12/03/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	01/04/05			7600													
CB06	02/28/05			7500													
CB06	04/04/05			4300													
CB06	06/06/05			6300									3.29			16	
CB06	08/01/05			2500									3.54			18	
CB06	10/03/05			4400									3.6			13	
CB06	12/05/05			6000									3.55			1.5	
CB06	02/13/06			6400									3.41			0	
CB06	04/03/06			6700									3.71			4.5	
CB06	08/07/06			4900									3.16			20.5	
CB06	10/16/06			6900									3.57			6.75	
CB06	04/09/07											12940	3.9		1252	1.8	
CB06	05/10/07				348.7							10130	3.31		1.932	16.89	22.1
CB06	06/11/07					109.52		20 U		30 U	30 U	8500	3.45		2206	18.6	
CB06	07/16/07					62.87						8800	3.46		1400	17	
CB06	08/16/07				342							10030	2.62		4.677	14.45	
CB06	08/16/07				342	56.36						10030	2.62		4677	14.45	
CB06	10/01/07					103.35											
CB06	10/02/07											7520	3.45		3665	11.1	
CB06	10/25/07				307.3							11460	3.83		2.812	9.52	27
CB06	12/04/07							20 U		30 U	30 U	11220	4.08		758	0.6	
CB06	04/07/08							20 U		30 U	30 U	10370	3.67		0.664	4.5	
CB06	05/20/08				281.4							11630	3.92		1.418	8.4	
CB06	07/23/08											6280	3.62		2.283	17.8	
CB06	08/18/08							20 U		30 U	30 U	5920	3.64		0.807	19.1	
CB06	09/09/08											5830	4.11		1.423	16.8	
CB06	10/06/08											9160	5.57		1817	8.8	
CB06	10/22/08					113.99											
CB06	10/23/08				160.1							13650	5.56		1.589	4.51	
CB06	11/17/08				303.5							15000	4.43		1.029	5.37	
CB06	11/19/08							20 U		30 U	30 U	11590	4.94		0.538	0.4	
CB06	12/08/08				166.6							15290	5.9		1.295	-0.07	
CB06	12/15/08											11170	4.87		393.2	0.9	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB06	02/10/09				116.1							28870	12		2286	1.08	
CB06	02/10/09				116.1							15790	6.11		1.563	0.58	
CB06	03/17/09				400.3							23580	7.64		1553	7.19	
CB06	03/17/09				400.3			20 U		30 U	30 U	13260	3.94		0.786	3.79	
CB06	04/08/09				366.3							27380	8.48		1096.9	6.96	
CB06	04/08/09				366.3			20 U		30 U	30 U	15550	4.32		0.603	4.3	
CB06	05/12/09							20 U		30 U	30 U	7630	5.82		0.567	9.1	
CB06	05/14/09				221.5							11720	4.81		0.657	9.8	
CB06	06/09/09							20 U		30 U	30 U	8270	7.11		0.711	12.5	
CB06	06/10/09				224.8							10150	4.92		0.963	12.98	
CB06	06/11/09					266.91											
CB06	07/21/09				273.2	173.83						5300	4.95		0.965	18.2	
CB06	07/27/09							20 U		30 U	30 U	6440	4.83		792	21	
CB06	08/11/09	190										5350	4.94		0.912	21.1	
CB06	09/08/09											5700	5.4		1.828	15	
CB06	10/06/09					220.63											
CB06	10/14/09											10220	5.78		1105	6.4	
CB06	11/10/09							20 U		30 U	30 U	6300	5.55		1.246	7.7	
CB06	12/08/09											16430	5.81		0.2113	1.7	
CB06	03/09/10							20 U		30 U	30 U	12310	6.07		0.769	2.6	
CB06	03/29/10												2.89		0.959		
CB06	03/30/10												3.11		0.605		
CB06	03/31/10												2.53		0.877		
CB06	04/05/10											9540	6.2		1.125	10.1	
CB06	05/04/10							20 U		30 U	30 U	8480	6.88		0.901	14.6	
CB06	06/07/10							20 U		30 U	30 U	5800	6.7		1.325	15.3	
CB06	08/16/10							20 U		30 U	30 U	6040	6.3		1.462	19.7	
CB06	08/17/10												6.42		1.059	17.53	
CB06	08/19/10												6.94		2.086	15.06	
CB06	08/19/10												6.29		2.16	18.89	
CB06	08/20/10												6.59		2.233	16.12	
CB06	08/23/10												5.91		1.068	15.43	
CB06	08/23/10												6.23		0.711	15.65	
CB06	08/23/10												4.61		0.673	16.17	
CB06	08/24/10												6.41		0.67	16.45	
CB06	08/25/10												6.58		0.763	16.38	
CB06	08/26/10												7.15		0.972	18.35	
CB06	08/30/10												6.28		1.956	18.03	
CB06	08/31/10												6.24		1.796	18.87	
CB06	09/01/10												5.14		2.036	20.1	
CB06	09/02/10												5.76		1.895	17.45	
CB06	09/03/10												5.09		2.088	19.24	
CB06	09/07/10												6.56		3.176	18.91	
CB06	09/08/10							20 U		30 U	30 U	7260	7.16		2.839	17.8	
CB06	09/08/10											7260	7.05		2839	17.8	
CB06	09/09/10												6.82		2.849	15.63	
CB06	09/10/10												6.4		2.913	14.41	
CB06	09/14/10												6.77		1.961	13.23	
CB06	09/15/10												6.77		2.184	11.63	
CB06	09/16/10												7.08		2.118	8.57	
CB06	09/17/10												7.34		1.33	12.61	
CB06	09/20/10												7.36		2.204	11.43	
CB06	09/21/10												6.03		2.592	12.65	
CB06	09/22/10												7.02		2.956	14.61	
CB06	09/27/10												6.34		2.242	12.46	
CB06	09/28/10												6.92		1.118	13.45	
CB06	09/29/10												5.79		1.977	15.32	
CB06	09/30/10												6.34		0.556	16.01	
CB06	10/01/10												5.82		0.213	15.32	
CB06	10/04/10							20 U		30 U	30 U	9490	7.02		0.655	11.4	
CB06	10/05/10												7.16		0.27	12.71	
CB06	10/06/10												7.27		0.389	11.99	
CB06	10/07/10												6.97		0.228	11.22	
CB06	10/11/10												7.44		1.495	9.56	
CB06	10/12/10												7.33		1.709	9.3	
CB06	10/13/10												7.32		1.746	9.24	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB06	10/14/10												7.24		1.742	7.03	
CB06	10/15/10												6.81		0.114	7.42	
CB06	10/18/10												7.21		0.156	7.69	
CB06	10/19/10												7.37		0.19	6.82	
CB06	10/20/10												7.31		0.213	4.94	
CB06	10/21/10												6.09		0.233	6.38	
CB06	10/22/10												7.38		0.2	5.08	
CB06	10/25/10												7.5		0.22	6.85	
CB06	10/26/10												7.24		0.209	8.31	
CB06	10/27/10												7.49		0.197	12.28	
CB06	10/28/10												7.57		0.188	10.29	
CB06	10/29/10												7.58		0.2	8.47	
CB06	11/01/10												7.49		0.233	4.41	
CB06	11/02/10												7.51		0.219	4.9	
CB06	11/03/10							20 U		30 U	30 U	11670	6.98		1.163	3.3	
CB06	11/04/10												6.76		0.567	4.86	
CB06	11/05/10												6.14		0.143	5.95	
CB06	11/08/10												7.55		0.168	4.07	
CB06	11/09/10												7.03		0.177	5.27	
CB06	11/10/10												7.14		0.191	6.01	
CB06	11/11/10												6.77		0.239	4.67	
CB06	11/12/10												6.5		0.291	2.69	
CB06	11/15/10												6.55		0.335	5.7	
CB06	11/17/10												6.48		0.157	7.36	
CB06	11/18/10												6.28		0.281	5.01	
CB06	11/19/10												6.13		0.266	3.55	
CB06	11/22/10												5.97		0.284	2.47	
CB06	11/29/10												6.01		0.443	0.68	
CB06	11/30/10												5.94		0.456	0.84	
CB06	12/01/10												6.17		0.488	3.07	
CB06	12/02/10												6.48		0.143	3.83	
CB06	12/03/10												6.32		0.173	2.79	
CB06	12/06/10							20 U		30 U	30 U	16050	6.2		0.4006	0.8	
CB06	12/07/10												6.96		500	0.11	
CB06	12/08/10												7		896	0.08	
CB06	12/13/10												5.85		135	0.07	
CB06	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB06	04/04/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB06	04/14/11												7.68		0.221	4.56	
CB06	04/27/11												7.43		203	14.35	
CB06	04/27/11												7.43		0.203		
CB06	04/29/11												7.44		0.297		
CB06	05/04/11												7.22		0.356	10.59	
CB06	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB06	05/12/11												7.23		0.781	13.72	
CB06	05/16/11												7.15		0.526	10.7	
CB06	05/17/11												7.3		0.538	10.93	
CB06	05/18/11												7.42		0.547	11.88	
CB06	05/19/11												7.59		0.467	11.6	
CB06	05/23/11												7.86		0.382	12.37	
CB06	05/24/11												8.65		0.571	14.35	
CB06	05/26/11												7.26		0.656	15.45	
CB06	05/27/11												7.53		0.685	15.99	
CB06	05/31/11												7.6		0.761	18.31	
CB06	06/06/11												6.92		1.222	15.02	
CB06	06/07/11												7.18		1.431	16.84	
CB06	06/08/11												7.48		1.531	16.84	
CB06	06/09/11												7.5		1.242	16.84	
CB06	06/10/11												7.63		1.205	16.84	
CB06	06/13/11												6.64		1.207	14.17	
CB06	06/17/11												7.8		1.204	14.43	
CB06	06/20/11												6.86		1.46	16.28	
CB06	06/22/11												7.6		1.667	14.89	
CB06	06/23/11												7.67		0.851	15.84	
CB06	06/24/11												6.59		0.552	14.47	
CB06	06/24/11												7.35		0.839	14.38	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB06	06/27/11												7.44		1.163	16.85	
CB06	07/05/11												5.68		1.387	18.37	
CB06	07/06/11												6.44		1.852	16.99	
CB06	07/08/11												6.87		2.001	15.68	
CB06	07/11/11												7.26		1.771	17.95	
CB06	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB06	07/14/11												6.81		2.302	16.8	
CB06	07/15/11												6.75		2.397	17.74	
CB06	07/18/11												6.58		1.743		
CB06	07/18/11												6.58		1743	18.8	
CB06	07/25/11												5.7		2.353		
CB06	07/25/11												6.6		2.394		
CB06	07/28/11												6.58		2876	19.12	
CB06	07/28/11												6.75		2.703		
CB06	07/29/11												6		2.795	15.26	
CB06	08/01/11												7.04		2.331	14.75	
CB06	08/08/11												6.46		2049	16.55	
CB06	08/08/11												6.46		2.049		
CB06	08/10/11												6.1		1.161	15.8	
CB06	08/11/11												6.84		2.09	13.77	
CB06	08/15/11												6.7		0.847		
CB06	08/16/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	08/16/11												6.3		0.924		
CB06	08/17/11												6.95		1.59	14.16	
CB06	08/22/11												7.31		0.808	13.49	
CB06	08/29/11												6.64		0.423	16.54	
CB06	09/01/11												7.47		0.769		
CB06	09/06/11	2 U	100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	09/06/11												7.71		0.631	13.74	
CB06	09/09/11												8.57		0.514	12.58	
CB06	09/12/11												6.73		1.24	19.32	
CB06	09/19/11												8.35		1.137	8.19	
CB06	09/23/11												8.23		0.898	12.06	
CB06	09/27/11												8.16		1.261	12.56	
CB06	09/30/11												8.53		0.45	10.9	
CB06	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	10/03/11												8.16		0.446	10.89	
CB06	10/05/11												8.41		0.431	9.37	
CB06	10/06/11												7.7		0.495	8.9	
CB06	10/07/11												7.7		0.495	8.9	
CB06	10/10/11												7.7		0.766	10.64	
CB06	10/13/11												7.66		0.3		
CB06	10/17/11												7.74		0.584	10.59	
CB06	10/19/11												7.83		0.763	6.39	
CB06	10/24/11												6.94		0.874	4.43	
CB06	10/31/11												7.24		0.949	3.23	
CB06	11/07/11												6.41		0.994	0.33	
CB06	11/14/11												6.04		1.432	3.66	
CB06	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	11/28/11												6.53		1.002	7.28	
CB06	12/01/11												6.29		0.707	3.74	
CB06	12/13/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	04/04/12												6.02		0.899	2.51	
CB06	04/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	04/12/12												6.1		0.799	4.57	
CB06	04/18/12												7.23		0.577	7.76	
CB06	04/30/12												7.57		0.201	8.32	
CB06	05/02/12												7.65		0.105	7.59	
CB06	05/07/12												7.68		0.211	11.96	
CB06	05/11/12												7.73		0.426	9.6	
CB06	05/17/12												7.57		0.436	11	
CB06	05/23/12												7.67		0.631	15.38	
CB06	05/30/12												7.74		0.493	17.27	
CB06	06/05/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	08/13/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U						
CB06	10/09/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB06	12/03/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB06	03/26/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB06	10/23/13		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB06	10/29/13																
CB06	10/29/13																
CB06	12/03/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB14	03/31/10												5.14		0.394		
CB14	04/19/10												5.4		0.395		
CB14	04/20/10												5.46		0.406		
CB14	04/20/10												5.25		0.405		
CB14	08/16/10												5.95		0.841		
CB14	08/17/10												6.3		1.067		
CB14	08/19/10												6.24		0.938		
CB14	08/19/10												6.28		1.027		
CB14	08/20/10												5.98		1.026		
CB14	08/23/10												3.71		1.95		
CB14	08/23/10												3.39		1.506		
CB14	08/23/10												5.94		1.282		
CB14	08/24/10												4.79		1.183		
CB14	08/25/10												4.73		1.183		
CB14	08/26/10												5.07		1.155		
CB14	08/30/10												4.28		1.025		
CB14	09/01/10												5.36		1.024		
CB14	09/02/10												4.03		1.074		
CB14	09/03/10												5.06		1.067		
CB14	09/07/10												3.9		1.158		
CB14	09/08/10												4.85		1.102		
CB14	09/09/10												4.14		1.173		
CB14	09/10/10												4.12		1.062		
CB14	09/14/10												4.58		1.057		
CB14	09/15/10												4.69		1.084		
CB14	09/16/10												3.81		1.103		
CB14	09/17/10												4.77		1.133		
CB14	09/28/10												5.25		1.175		
CB14	09/29/10												5.6		1.689		
CB14	09/30/10												5.96		0.683		
CB14	10/01/10												5.62		0.545		
CB14	10/04/10												6.36		0.884		
CB14	10/07/10												0		0		
CB14	10/15/10												5.34		0.495		
CB14	10/26/10												5.14		1.265		
CB14	10/27/10												6.36		1.327		
CB14	11/05/10												6.63		0.608		
CB14	11/17/10												6.52		0.853		
CB14	04/14/11												6.44		0.679		
CB14	04/21/11												6.62		0.718		
CB14	04/27/11												6.63		0.62		
CB14	04/29/11												6.4		0.712		
CB14	05/04/11												6.55		0.948		
CB14	05/23/11												6.41		1.144		
CB14	05/24/11												7.58		1.258		
CB14	05/27/11												8.78		2.256		
CB14	06/14/11												6.08		1.404		
CB14	06/15/11												9.53		1.611		
CB14	06/16/11												9.33		1.328		
CB14	06/23/11												8.79		1.325		
CB14	06/24/11												8.03		1.113		
CB14	06/27/11												9.07		1.523		
CB14	06/28/11												9.17		1.53		
CB14	06/29/11												8.87		1.455		
CB14	07/12/11												4.61		2.237		
CB14	07/13/11												5.18		2.307		
CB14	07/14/11												5.96		2.224		
CB14	07/15/11												6.28		2.428		
CB14	08/10/11												4.52		2.018		
CB14	08/11/11												10.42		3.084		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB14	08/15/11												5.92		1.571		
CB14	08/15/11												5.7		0.832		
CB14	08/16/11												5.24		1.932		
CB14	08/17/11												5.51		2.068		
CB14	08/22/11																
CB14	08/23/11																
CB14	08/29/11																
CB14	09/06/11																
CB14	09/07/11												5.15		1.823		
CB14	09/08/11																
CB14	08/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB14	10/09/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB14	12/04/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB13	04/08/11												5.72		0.44		
CB13	04/11/11												5.49		0.374		
CB13	04/14/11												4.32		0.475		
CB13	04/21/11												4.08		0.379		
CB13	04/27/11												4.85		0.325		
CB13	04/29/11												5.45		0.33		
CB13	05/04/11												6.12		0.303		
CB13	05/12/11												4.19		0.561		
CB13	05/16/11												6.46		0.459		
CB13	05/17/11												6.64		0.43		
CB13	05/18/11												6.73		0.409		
CB13	05/19/11												6.39		0.422		
CB13	05/23/11												6.39		0.458		
CB13	05/24/11												6.92		0.481		
CB13	05/25/11												5.45		0.473		
CB13	05/26/11												5.29		0.479		
CB13	05/27/11												6.34		0.469		
CB13	05/31/11												4.58		0.579		
CB13	06/01/11												4.84		0.498		
CB13	06/06/11																
CB13	06/07/11																
CB13	06/08/11																
CB13	06/09/11																
CB13	06/10/11																
CB13	06/13/11																
CB13	06/17/11																
CB13	06/20/11																
CB13	06/22/11																
CB13	06/23/11																
CB13	06/24/11																
CB13	06/24/11																
CB13	06/27/11																
CB13	07/05/11																
CB13	07/06/11																
CB13	07/08/11																
CB13	07/11/11																
CB13	07/14/11																
CB13	07/15/11																
CB13	07/18/11																
CB13	08/15/11												6.42		0.361		
CB13	08/16/11												6.56		0.476		
CB13	08/17/11												7.01		0.508		
CB13	08/18/11												7.08		0.471		
CB13	08/19/11												7.03		0.478		
CB13	08/22/11												6.99		0.486		
CB13	08/23/11												7.63		0.489		
CB13	08/24/11												7.19		0.492		
CB13	08/25/11												7.21		0.498		
CB13	08/26/11												7.4		0.477		
CB13	08/29/11												4.88		0.479		
CB13	08/30/11												5.19		0.507		
CB13	08/31/11												5.5		0.58		
CB13	09/01/11												6.05		0.598		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB13	09/02/11												5.19		0.634		
CB13	09/06/11												5.01		0.507		
CB13	09/07/11												4.67		1.027		
CB13	09/08/11												4.18		0.787		
CB13	09/09/11												4.79		0.664		
CB13	09/12/11												3.48		0.779		
CB13	09/13/11												3.63		0.761		
CB13	09/14/11												3.76		0.706		
CB13	09/15/11												3.7		0.722		
CB13	09/16/11												3.52		0.545		
CB13	09/19/11												3.51		0.976		
CB13	09/20/11												3.36		0.893		
CB13	09/21/11												3.55		0.919		
CB13	09/22/11												3.34		0.845		
CB13	09/23/11												3.86		0.723		
CB13	09/26/11												3.8		0.649		
CB13	09/27/11												3.73		0.879		
CB13	09/28/11												3.47		0.813		
CB13	09/29/11												6.38		0.368		
CB13	09/30/11												3.91		0.664		
CB13	10/03/11												5.53		0.833		
CB13	10/04/11												4.89		0.563		
CB13	10/05/11												5.33		0.534		
CB13	10/06/11												4.94		0.579		
CB13	10/07/11												4.65		0.312		
CB13	10/10/11												3.77		0.626		
CB13	10/11/11												3.81		0.761		
CB13	10/12/11												3.78		0.73		
CB13	10/13/11												5.78		0.57		
CB13	10/14/11												5.44		0.564		
CB13	10/17/11												5.37		0.568		
CB13	10/18/11												4.88		0.617		
CB13	10/19/11												4.96		0.613		
CB13	10/20/11												4.78		0.628		
CB13	10/21/11												4.96		0.593		
CB13	10/24/11												4.92		0.621		
CB13	10/25/11												4.88		0.613		
CB13	10/26/11												5.09		0.617		
CB13	10/27/11												6.76		0.78		
CB13	10/28/11												5.35		0.603		
CB13	10/31/11												6.65		0.524		
CB13	11/01/11												7.09		0.523		
CB13	11/02/11												7.01		0.593		
CB13	11/03/11												6.99		0.453		
CB13	11/04/11												7.22		0.511		
CB13	11/07/11												7.38		0.488		
CB13	11/08/11												7.45		0.515		
CB13	11/09/11												7.85		0.485		
CB13	11/10/11												7.84		0.436		
CB13	11/11/11												6.92		1.532		
CB13	11/14/11												7.34		0.471		
CB13	11/15/11												6.52		1.634		
CB13	11/16/11												7.06		0.948		
CB13	11/17/11												6.8		1.06		
CB13	11/18/11												6.7		0.588		
CB13	11/28/11												6.72		1.357		
CB13	11/29/11												6.51		2.371		
CB13	11/30/11												6.35		1.422		
CB13	12/01/11												6.85		0.988		
CB13	12/02/11												6.57		1.128		
CB13	03/06/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB13	03/06/12												6.67		1.217		
CB13	03/22/12												6.79		1.563		
CB13	04/03/12												7.07		1.375		
CB13	04/04/12												6.72		0.904		
CB13	04/05/12												6.6		0.746		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB13	04/06/12												6.54		1.218		
CB13	04/09/12												6.91		1.185		
CB13	04/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB13	04/10/12												6.2		1.37		
CB13	04/11/12												6.78		1.241		
CB13	04/12/12												6.72		1.267		
CB13	04/13/12												6.76		1.296		
CB13	04/16/12												6.75		1.395		
CB13	04/17/12												6.85		1.469		
CB13	04/18/12												6.95		1.255		
CB13	04/19/12												6.65		1.382		
CB13	04/20/12												6.57		1.443		
CB13	04/23/12												6.67		1.124		
CB13	04/23/12												6.73		0.867		
CB13	04/24/12												6.73		1.119		
CB13	04/26/12												6.66		1.041		
CB13	04/27/12												6.89		0.85		
CB13	04/30/12												6.62		0.993		
CB13	05/01/12												6.45		1.002		
CB13	05/02/12												6.43		1.02		
CB13	05/03/12												6.66		0.913		
CB13	05/07/12												6.93		0.974		
CB13	05/08/12												6.76		0.804		
CB13	05/09/12												6.73		0.918		
CB13	05/10/12												6.8		0.999		
CB13	05/11/12												6.87		0.927		
CB13	05/14/12												6.84		0.875		
CB13	05/15/12												6.85		0.837		
CB13	05/16/12												6.94		0.849		
CB13	05/17/12												6.63		0.929		
CB13	05/18/12												6.52		0.958		
CB13	05/21/12												6.83		1.044		
CB13	05/22/12												6.81		1.01		
CB13	05/23/12												6.81		0.945		
CB13	05/30/12												6.79		0.889		
CB13	06/05/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB13	06/05/12												6.76		0.972		
CB13	06/13/12												7.2		0.754		
CB13	06/19/12												7.01		1.228		
CB13	06/25/12												6.97		1.398		
CB13	07/03/12												7.39		1.322		
CB13	07/05/12												6.65		1.349		
CB13	07/10/12												6.92		1.328		
CB13	07/18/12												7.02		1.491		
CB13	07/25/12												6.88		1.672		
CB13	07/30/12												6.58		1.536		
CB13	08/06/12												6.9		1.278		
CB13	08/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB13	08/15/12												6.79		1.383		
CB13	08/16/12												6.74		1.375		
CB13	08/28/12												7.17		0.628		
CB13	09/04/12												6.5		1.404		
CB13	09/14/12												6.67		1.364		
CB13	09/19/12												6.76		1.568		
CB12	12/07/09											9020	3.94		0.951	1.4	
CB12	01/25/10												5.59		0.19		
CB12	01/26/10							20 U		30 U	30 U	8910	4.78		0.2491	1.2	
CB12	01/27/10												5.09		0.738		
CB12	01/28/10												4.06		0.936		
CB12	02/10/10											9720	7.52		0.93	6.3	
CB12	03/08/10												5.72		0.799		
CB12	03/08/10												5.11		0.374		
CB12	03/09/10							20 U		30 U	30 U	9500	4.85		0.685	2.6	
CB12	03/10/10												5.21		0.637		
CB12	03/11/10												5.14		0.623		
CB12	03/17/10												4.82		1.007		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB12	03/17/10												4.76		0.595		
CB12	03/18/10												3.85		1.573		
CB12	03/18/10												4.32		0.661		
CB12	03/22/10												4.35		0.335		
CB12	03/30/10												3.11				
CB12	03/31/10												3.17		2.16		
CB12	04/20/10												3.49		1.662		
CB12	04/20/10												3.96		1.428		
CB12	04/21/10												4.14		1.457		
CB12	04/21/10												4.06		1.302		
CB12	04/22/10												3.87		1.641		
CB12	04/22/10												3.8		0.55		
CB12	04/23/10												3.9		0.652		
CB12	04/26/10												4.05		0.733		
CB12	04/27/10												5.38		0.363		
CB12	04/27/10												4.54		0.717		
CB12	05/10/10												4.68		1.375		
CB12	05/10/10												4.95		1.299		
CB12	05/11/10												4.88		1.45		
CB12	05/12/10												4.64		1.456		
CB12	06/07/10												3.34		2.103		
CB12	06/23/10												4.51		1.361		
CB12	06/24/10												4.23		1.564		
CB12	06/25/10												3.89		1.942		
CB12	06/27/10												3.36		0.988		
CB12	06/28/10												3.25		2.223		
CB12	07/01/10												3.64		1.414		
CB12	07/14/10												2.71		4.571		
CB12	07/26/10												3.06		2.132		
CB12	07/27/10												3.01		2.509		
CB12	07/29/10												3.11		2.05		
CB12	07/30/10												3.01		2.313		
CB12	08/10/10												3.33		2.617		
CB12	08/11/10												3.25		2.835		
CB12	08/12/10												3.32		2.823		
CB12	08/16/10												2.95		4.219		
CB12	08/23/10												3.05		2.437		
CB12	08/23/10												2.83		2.967		
CB12	08/23/10												3.09		2.079		
CB12	08/24/10												3.27		1.875		
CB12	08/25/10												3.08		2.175		
CB12	09/17/10												4.97		2.747		
CB12	09/28/10												4.78		2.881		
CB12	09/29/10												3.43		2.799		
CB12	09/30/10												3.67		1.181		
CB12	10/01/10												3.46		1.384		
CB12	10/04/10							20 U		30 U	30 U	6090	3.2		3.056	16.2	
CB12	10/07/10												5.79		0.943		
CB12	10/15/10												4.27		0.8		
CB12	11/05/10												6.55		0.791		
CB12	11/17/10												6.37		0.99		
CB12	11/19/10												6.5		1.703		
CB12	12/01/10												6.35		0.988		
CB12	12/02/10												5.57		0.904		
CB12	12/03/10												5.75		1.248		
CB12	12/06/10											8710	5.13		1.967	0.5	
CB12	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB12	04/05/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB12	04/08/11												6.01		0.644		
CB12	04/11/11												6.02		0.488		
CB12	04/14/11												5.94		0.713		
CB12	04/21/11												5.67		0.846		
CB12	04/27/11												5.82		0.635		
CB12	04/29/11												5.43		0.782		
CB12	05/04/11												5.56		1.194		
CB12	05/16/11												3.79		1.321		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB12	05/17/11												3.52		1.671		
CB12	05/18/11												5.06		1.057		
CB12	05/19/11												4.61		0.898		
CB12	05/23/11												6.11		1.166		
CB12	05/24/11												7.62		1.348		
CB12	06/14/11												6.14		0.853		
CB12	06/15/11												9.81		1.317		
CB12	06/16/11												10.42		1.278		
CB12	06/23/11												6.13		1.509		
CB12	06/24/11												4.72		1.19		
CB12	06/27/11												8.23		1.48		
CB12	06/28/11												7.75		1.503		
CB12	06/29/11												9.04		1.455		
CB12	07/12/11												4.46		2.236		
CB12	07/13/11												5.13		2.362		
CB12	07/14/11												5.82		2.247		
CB12	07/15/11												6.45		2.506		
CB12	08/10/11												4.42		2.071		
CB12	08/11/11												6.63		2.419		
CB12	08/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB12	08/15/11												4.7		1.521		
CB12	08/15/11												4.72		1.293		
CB12	08/16/11												4.59		1.333		
CB12	08/17/11												5.18		1.615		
CB12	08/22/11												6.62		1.728		
CB12	08/23/11												7.76		2.028		
CB12	08/29/11												3.13		3.632		
CB12	09/06/11												5.38		1.398		
CB12	09/07/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB12	09/07/11												4.76		1.086		
CB12	09/08/11												5.55		1.321		
CB12	09/29/11												4.49		0.725		
CB12	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB12	10/03/11												4.51		1.672		
CB12	10/04/11												4.77		2.481		
CB12	10/13/11												9.74		0.072		
CB12	10/14/11												5.95		0.804		
CB12	10/27/11												7.21		0.186		
CB12	10/28/11												5.1		2.181		
CB12	11/28/11												5.23		2.038		
CB12	12/12/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB12	04/23/12												5.01		1.157		
CB12	04/23/12												5.12		1.442		
CB12	04/24/12												8.81		2.783		
CB12	05/01/12												5.28		1.102		
CB12	05/08/12												4.71		0.96		
CB12	05/09/12												4.73		1.698		
CB12	05/10/12												4.62		1.532		
CB12	05/11/12												4.68		2.074		
CB12	05/15/12												4.85		1.401		
CB12	05/16/12												4.84		1.772		
CB11	07/22/09				426							8690	3.16		0.877	24.93	
CB11	08/19/09				469.5							6770	3.17		1.068	24.63	
CB11	09/10/09				415.4							4300	10.82		0.995	12.89	
CB11	10/06/09				447							9220	3.2		0.927	16.88	
CB11	11/09/09				489.4							11030	3.02		0.992	9.45	
CB11	12/07/09											13450	3.52		0.3723	1.7	
CB11	01/04/10												3.21		0.904		
CB11	01/04/10												3.22		0.915		
CB11	01/05/10												3.21		0.915		
CB11	01/05/10												3.24		0.913		
CB11	01/06/10												3.27		0.971		
CB11	01/06/10												3.17		1.105		
CB11	01/07/10												3.24		1.064		
CB11	01/07/10												3.3		1.076		
CB11	01/08/10												3.25		1.038		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB11	01/08/10												3.26		1.05		
CB11	01/11/10												3.14		1.023		
CB11	01/12/10							20 U		30 U	30 U	12180	2.78		0.4328	0.4	
CB11	01/13/10												2.75		0.963		
CB11	01/13/10												2.84		0.949		
CB11	01/14/10												2.87		0.913		
CB11	01/14/10												2.85		0.941		
CB11	01/15/10												2.83		0.936		
CB11	01/15/10												2.84		0.934		
CB11	01/18/10												2.97		0.841		
CB11	01/19/10												2.96		0.892		
CB11	01/19/10												2.93		0.884		
CB11	01/20/10												3.39		0.862		
CB11	01/20/10												2.9		0.908		
CB11	01/21/10												3.02		0.864		
CB11	01/21/10												2.98		0.882		
CB11	01/22/10												2.98		0.889		
CB11	01/22/10												2.97		0.908		
CB11	01/25/10												2.9		0.929		
CB11	01/25/10												2.95		0.922		
CB11	01/25/10												3.01		0.917		
CB11	01/25/10												3.06		0.895		
CB11	01/25/10												3.46		0.892		
CB11	01/26/10							20 U		30 U	30 U	8710	4.04		0.563	4.1	
CB11	01/27/10												3.85		0.623		
CB11	01/27/10												4.11		0.659		
CB11	01/28/10												3.76		0.66		
CB11	01/28/10												3.79		0.632		
CB11	01/29/10												3.86		0.71		
CB11	01/29/10												3.39		0.714		
CB11	02/01/10												3.24		0.77		
CB11	02/03/10												3.18		0.774		
CB11	02/03/10												3.24		0.756		
CB11	02/04/10												3.18		0.764		
CB11	02/04/10												3.19		0.752		
CB11	02/05/10												3.28		0.696		
CB11	02/08/10												3.17		0.752		
CB11	02/08/10												3.18		0.753		
CB11	02/09/10												3.13		0.749		
CB11	02/09/10												3.19		0.749		
CB11	02/10/10							20 U		30 U	30 U	9180	3.22		0.697	2.1	
CB11	02/11/10												3.14		0.742		
CB11	02/11/10												3.13		0.75		
CB11	02/12/10												3.05		0.758		
CB11	02/12/10												4.2		0.785		
CB11	02/15/10												3.17		0.775		
CB11	02/15/10												3.13		0.784		
CB11	02/16/10												3.11		0.75		
CB11	02/17/10												3.11		0.779		
CB11	02/18/10												3.2		0.784		
CB11	02/19/10												3.09		0.776		
CB11	02/19/10												3.1		0.761		
CB11	02/22/10												3.43		0.672		
CB11	02/22/10												3.97		0.675		
CB11	02/23/10												3.63		0.622		
CB11	02/23/10												3.63		0.653		
CB11	02/25/10												3.86		0.497		
CB11	03/02/10												3.48		0.746		
CB11	03/02/10												4		0.758		
CB11	03/03/10												3.69		0.775		
CB11	03/03/10												3.8		0.775		
CB11	03/04/10												4.19		0.773		
CB11	03/04/10												3.86		0.802		
CB11	03/08/10												3.57		0.774		
CB11	03/08/10												3.27		0.811		
CB11	03/09/10							20 U		30 U	30 U	8190	3.68		0.4531	3.1	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB11	03/10/10												3.62		0.697		
CB11	03/10/10												3.86		0.76		
CB11	03/11/10												3.8		0.664		
CB11	03/11/10												4.01		0.653		
CB11	03/17/10												3.67		0.713		
CB11	03/17/10												4.25		0.555		
CB11	03/18/10												3.65		0.682		
CB11	03/18/10												3.6		0.738		
CB11	03/22/10												3.61		0.554		
CB11	03/23/10												3.43		0.709		
CB11	03/23/10												3.61		0.698		
CB11	03/24/10												3.88		0.666		
CB11	03/25/10												3.75		0.606		
CB11	03/29/10												4.11		0.527		
CB11	03/30/10												4		0.627		
CB11	03/31/10												4.07		0.562		
CB11	04/05/10											6700	4.81		0.4573	14.6	
CB11	04/19/10												4.63		0.575		
CB11	04/20/10												4		0.502		
CB11	04/20/10												4.06		0.462		
CB11	04/21/10												3.97		0.457		
CB11	04/21/10												4.12		0.444		
CB11	04/22/10												4.06		0.444		
CB11	04/22/10												4.16		0.437		
CB11	04/23/10												3.97		0.44		
CB11	04/26/10												3.91		0.434		
CB11	04/27/10												3.77		0.454		
CB11	04/27/10												3.92		0.459		
CB11	04/28/10												3.87		0.511		
CB11	05/03/10												4.55		0.388		
CB11	05/04/10	16						20 U		30 U	30 U	7140	7.15		0.4807	19.7	
CB11	05/06/10												7.37		0.456		
CB11	05/10/10												5.09		0.413		
CB11	05/10/10												5.16		0.442		
CB11	05/11/10												5.24		0.409		
CB11	05/12/10												5.4		0.4		
CB11	05/13/10												5.51		0.403		
CB11	05/13/10												5.46		0.401		
CB11	05/17/10												5.24		0.387		
CB11	05/19/10												5.58		0.565		
CB11	05/24/10												4.99		0.357		
CB11	05/25/10												5.06		0.587		
CB11	05/26/10												4.95		0.621		
CB11	05/27/10												5.6		0.68		
CB11	06/01/10												4.95		0.697		
CB11	06/02/10												5.22		0.693		
CB11	06/02/10												4.68		0.729		
CB11	06/03/10												4.85		0.719		
CB11	06/04/10												4.96		0.718		
CB11	06/07/10							20 U		30 U	30 U	3330	4.93		0.893	24.3	
CB11	06/08/10												5.61		0.73		
CB11	06/09/10												5.47		0.688		
CB11	06/10/10												5.68		6.47		
CB11	06/15/10												4.94		0.736		
CB11	06/16/10												5.15		0.714		
CB11	06/18/10												5.04		0.715		
CB11	06/21/10												4.99		0.753		
CB11	06/22/10												4.9		0.784		
CB11	06/23/10												5.71		1.002		
CB11	06/24/10												5.69		0.751		
CB11	06/25/10												5.33		0.777		
CB11	06/25/10												5.05		0.788		
CB11	06/27/10												5.2		1.008		
CB11	06/28/10												5.19		0.871		
CB11	07/01/10												5.35		0.718		
CB11	07/02/10												5.2		0.736		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB11	07/06/10												4.76		0.825		
CB11	07/08/10												4.68		0.835		
CB11	07/13/10												4.68		0.9		
CB11	07/14/10												5.57		0.948		
CB11	07/15/10												4.16		0.932		
CB11	07/19/10												3.37		1.009		
CB11	07/20/10												3.26		1.013		
CB11	07/21/10												4.83		1.141		
CB11	07/22/10												5.23		0.964		
CB11	07/23/10												4.85		0.922		
CB11	07/26/10												5.64		0.901		
CB11	07/27/10												4.73		0.928		
CB11	07/28/10												4.46		0.936		
CB11	07/29/10												5.64		1.172		
CB11	07/30/10												4.93		0.901		
CB11	08/02/10												4.34		0.904		
CB11	08/03/10												4.51		0.877		
CB11	08/04/10												4.3		0.935		
CB11	08/05/10												4.29		0.92		
CB11	08/09/10												3.61		1.025		
CB11	08/10/10												6.07		1.065		
CB11	08/11/10												6.33		0.913		
CB11	08/12/10												6.1		0.887		
CB11	08/16/10												6.33		0.687		
CB11	08/17/10												5.63		0.786		
CB11	08/19/10												4.83		0.96		
CB11	08/19/10												4.57		0.994		
CB11	08/20/10												4.51		0.983		
CB11	08/23/10												4.62		1.162		
CB11	08/23/10												5.86		0.874		
CB11	08/23/10												5.37		0.965		
CB11	08/24/10												4.98		1.122		
CB11	08/25/10												4.61		1.139		
CB11	08/26/10												4.65		1.107		
CB11	08/30/10												4.31		1.006		
CB11	09/01/10												4.13		1.069		
CB11	09/02/10												3.91		1.047		
CB11	09/03/10												3.87		1.097		
CB11	09/07/10												3.47		1.174		
CB11	09/08/10												3.4		1.173		
CB11	09/09/10												3.31		1.187		
CB11	09/10/10												3.5		0.822		
CB11	09/14/10												3.61		1.029		
CB11	09/15/10												3.43		1.079		
CB11	09/16/10												3.32		1.079		
CB11	09/17/10												4.55		1.074		
CB11	09/20/10												4.39		1.144		
CB11	09/21/10												3.37		1.181		
CB11	09/22/10												3.18		1.195		
CB11	09/27/10												3.14		1.236		
CB11	09/28/10												4.48		1.147		
CB11	09/29/10												4.4		1.164		
CB11	09/30/10												5.87		0.667		
CB11	10/01/10												5.04		0.535		
CB11	10/04/10							20 U		30 U	30 U	7120	5.01		0.59	15.8	
CB11	10/05/10												5.61		0.649		
CB11	10/06/10												5.5		0.619		
CB11	10/07/10												5.75		0.671		
CB11	10/11/10												5.56		0.419		
CB11	10/12/10												5.52		0.438		
CB11	10/13/10												5.5		0.446		
CB11	10/14/10												5.71		0.438		
CB11	10/15/10												6.1		0.348		
CB11	10/18/10												5.89		0.213		
CB11	10/19/10												6.08		0.333		
CB11	10/20/10												6.09		0.282		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB11	10/21/10												6.22		0.3		
CB11	10/22/10												6.19		0.32		
CB11	10/25/10												6.09		0.52		
CB11	10/26/10												5.49		0.372		
CB11	10/27/10												6.12		0.357		
CB11	10/28/10												6.21		0.263		
CB11	10/29/10												6.26		0.255		
CB11	11/01/10												6.19		0.28		
CB11	11/02/10												6.18		0.289		
CB11	11/04/10												6.1		0.304		
CB11	11/05/10												5.5		0.308		
CB11	11/08/10												6.9		0.361		
CB11	11/09/10												6.52		0.253		
CB11	11/10/10												6.56		0.278		
CB11	11/11/10												6.58		0.296		
CB11	11/12/10												6.58		0.292		
CB11	11/15/10												6.58		0.314		
CB11	11/17/10												6.21		0.339		
CB11	11/18/10												6.56		0.263		
CB11	11/19/10												6.78		0.246		
CB11	11/22/10												6.83		0.234		
CB11	11/29/10												6.96		0.269		
CB11	11/30/10												6.84		0.274		
CB11	12/01/10												5.8		0.947		
CB11	12/02/10												6.14		0.511		
CB11	12/03/10												5.47		0.693		
CB11	12/13/10												5.48		0.263		
CB11	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB11	04/05/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB11	04/11/11												5.83		0.5		
CB11	04/14/11												6.31		0.422		
CB11	04/21/11												6.72		0.911		
CB11	04/27/11												7.13		0.747		
CB11	04/29/11												7.21		0.704		
CB11	05/04/11												6.02		1.139		
CB11	05/19/11												5.77		0.766		
CB11	05/23/11												6.43		1.421		
CB11	05/27/11												8.48		2.228		
CB11	06/02/11																
CB11	06/03/11																
CB11	06/06/11																
CB11	06/07/11																
CB11	06/08/11																
CB11	06/09/11																
CB11	06/10/11																
CB11	06/13/11																
CB11	06/14/11												6.15		1.808		
CB11	06/15/11												11.11		2.74		
CB11	06/16/11												11.74		7.882		
CB11	06/17/11																
CB11	06/20/11																
CB11	06/21/11																
CB11	06/22/11																
CB11	06/23/11												10.63		1.141		
CB11	06/24/11												9.78		1.009		
CB11	06/27/11												11.63		4.771		
CB11	06/28/11												12.08		6.318		
CB11	06/29/11												12.04		6.728		
CB11	06/30/11																
CB11	07/01/11																
CB11	07/05/11																
CB11	07/06/11																
CB11	07/07/11																
CB11	07/08/11																
CB11	07/11/11																
CB11	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB11	07/12/11																
CB11	07/13/11																
CB11	07/14/11												9.57		2.651		
CB11	07/15/11																
CB11	07/18/11																
CB11	07/19/11																
CB11	07/20/11																
CB11	07/21/11																
CB11	07/22/11																
CB11	07/25/11																
CB11	07/25/11																
CB11	07/26/11																
CB11	07/27/11																
CB11	07/28/11																
CB11	07/29/11																
CB11	08/01/11																
CB11	08/02/11																
CB11	08/03/11																
CB11	08/04/11																
CB11	08/05/11																
CB11	08/08/11																
CB11	08/09/11																
CB11	08/10/11												4.41		1.743		
CB11	08/11/11												11.54		3.679		
CB11	08/12/11																
CB11	08/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB11	08/15/11												5.94		0.013		
CB11	08/15/11												5.78		0.021		
CB11	08/16/11												6.5		0.137		
CB11	08/17/11																
CB11	08/18/11																
CB11	08/19/11																
CB11	08/22/11																
CB11	08/23/11																
CB11	08/24/11																
CB11	08/25/11																
CB11	08/26/11																
CB11	08/29/11																
CB11	08/30/11																
CB11	08/31/11																
CB11	09/01/11																
CB11	09/02/11																
CB11	09/06/11																
CB11	09/07/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB11	09/07/11												5.54		0.662		
CB11	09/08/11																
CB11	09/09/11																
CB11	09/12/11																
CB11	09/13/11																
CB11	09/14/11																
CB11	09/15/11																
CB11	09/16/11																
CB11	09/19/11																
CB11	09/20/11																
CB11	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	01/04/05			3600													
CB05	02/28/05			2300													
CB05	04/04/05			1600													
CB05	06/06/05			3300									3.42			19	
CB05	08/01/05			4000									4.36			21	
CB05	10/03/05			1500									4.19			15	
CB05	12/05/05			2900									3.43			2	
CB05	02/13/06			1900									3.33			0	
CB05	04/03/06			2700									3.55			6	
CB05	08/07/06			2500									3.18			22.5	
CB05	10/16/06			3400									3.58			8	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB05	04/09/07											14090	3.77		1.513	2.7	
CB05	05/10/07				348.5							9340	3.31		2.214	19.99	28.6
CB05	06/11/07							20 U		30 U	30 U	7810	3.48		2.901	21.6	
CB05	07/16/07											7720	3.87		1.455	22.9	
CB05	10/02/07											6500	4.06		3.949	11.9	
CB05	12/04/07							20 U		30 U	30 U	12170	4.03		0.886	0.8	
CB05	04/07/08							20 U		30 U	30 U	9490	3.61		0.868	5.5	
CB05	05/20/08				223.9							10720	4.2		0.832	11.05	
CB05	07/23/08											4650	4.22		2.642	17.7	
CB05	08/18/08							2000 U		3000 U	3000 U	6120	3.46		1.659	21.5	
CB05	09/09/08											5730	4.07		1.222	18.2	
CB05	10/06/08											9100	4.82		1.506	10.2	
CB05	10/23/08				255.4							13170	4.77		1.262	5.23	
CB05	11/19/08							20 U		30 U	30 U	18200	3.95		0.706	0.5	
CB05	12/15/08											10910	4.19		0.491	1.5	
CB05	02/10/09											12670	6.26		0.898	0.5	
CB05	03/17/09							20 U		30 U	30 U	9860	3.68		0.957	5	
CB05	04/08/09							20 U		30 U	30 U	11690	3.91		0.605	4.3	
CB05	05/12/09							20 U		30 U	30 U	6420	4.97		0.701	12.4	
CB05	06/09/09							20 U		30 U	30 U	8710	5.67		0.548	12.9	
CB05	07/27/09							20 U		30 U	30 U	6340	4.61		0.697	24	
CB05	08/11/09											5500	4.31		0.78	23.8	
CB05	09/08/09											4500	4.92		1.433	18.4	
CB05	10/14/09											9860	5.16		0.915	7.1	
CB05	11/10/09							20 U		30 U	30 U	6830	4.88		0.966	8.3	
CB05	12/07/09											14380	5.4		0.518	1.9	
CB05	03/09/10							20 U		30 U	30 U	10540	6.05		0.979	4.3	
CB05	04/05/10											9120	6.15		1.108	11.4	
CB05	05/04/10							20 U		30 U	30 U	8010	6.47		0.531	17.6	
CB05	06/07/10							20 U		30 U	30 U	4900	4.52		1.273	18	
CB05	08/16/10							20 U		30 U	30 U	6930	6.84			20.9	
CB05	09/08/10							20 U		30 U	30 U	7870	7.03		0.906	17.3	
CB05	10/04/10							20 U		30 U	30 U	8380	6.63		0.558	12.8	
CB05	11/03/10							20 U		30 U	30 U	12610	7.15		0.612	2.4	
CB05	12/06/10							20 U		30 U	30 U	13400	6.81		0.4218	0.5	
CB05	01/18/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB05	01/20/11												6.63		0.838		
CB05	02/07/11		12000 U	12000 U			12000 U	2500 U	12000 U	2500 U	12000 U			30 U			
CB05	02/09/11												6.8		0.758		
CB05	03/08/11												6.52		0.615		
CB05	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB05	03/17/11												6.48		0.763		
CB05	03/24/11												7.21		0.268		
CB05	03/30/11												6.96		0.55		
CB05	04/04/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB05	04/08/11												6.81		0.766		
CB05	04/11/11												6.52		0.312		
CB05	04/14/11												6.85		0.419		
CB05	04/21/11												6.83		0.327		
CB05	04/27/11												7.56		0.137		
CB05	04/29/11												7.1		0.421		
CB05	05/04/11												7.02		0.452		
CB05	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB05	05/12/11												6.65		1.198		
CB05	05/16/11												6.74		0.799		
CB05	05/17/11												6.81		0.741		
CB05	05/18/11												7.11		0.714		
CB05	05/23/11												6.96		0.455		
CB05	05/24/11												8.4		0.323		
CB05	05/25/11												6.47		0.911		
CB05	05/26/11												6.48		0.976		
CB05	05/27/11												7.79		0.462		
CB05	05/31/11												7.22		0.493		
CB05	06/01/11												6.62		0.697		
CB05	06/02/11												6.57		0.806		
CB05	06/03/11												6.5		0.855		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB05	06/06/11												6.57		0.827		
CB05	06/07/11												6.45		1.113		
CB05	06/08/11												6.62		1.092		
CB05	06/09/11												7.01		0.618		
CB05	06/10/11												6.85		0.91		
CB05	06/13/11												6.25		0.905		
CB05	06/14/11												6.72		0.62		
CB05	06/15/11												6.49		0.905		
CB05	06/16/11												6.56		0.828		
CB05	06/17/11												6.69		0.955		
CB05	06/20/11												5.95		1.425		
CB05	06/21/11												6.27		1.349		
CB05	06/22/11												6.54		1.307		
CB05	06/23/11												6.24		0.83		
CB05	06/24/11												6.73		0.424		
CB05	06/27/11												6.6		0.757		
CB05	06/28/11												6.52		0.825		
CB05	06/29/11												6.31		1.194		
CB05	06/30/11												6.43		0.896		
CB05	07/01/11												6.32		0.973		
CB05	07/05/11												6.03		1.142		
CB05	07/06/11												6.25		1.309		
CB05	07/07/11												6.33		1.259		
CB05	07/08/11												6.28		1.424		
CB05	07/11/11												6.57		1.19		
CB05	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB05	07/12/11												6.47		1.295		
CB05	07/13/11												6.2		1.471		
CB05	07/14/11												6.62		1.18		
CB05	07/15/11												6.59		1.525		
CB05	07/18/11												6.43		1.117		
CB05	07/19/11												6.27		1.615		
CB05	07/20/11												6.57		1.842		
CB05	07/21/11												6.33		1.819		
CB05	07/22/11												6.23		1.779		
CB05	07/25/11												6.27		2.09		
CB05	07/26/11												6.4		1.46		
CB05	07/27/11												6.41		1.561		
CB05	07/28/11												6.31		1.849		
CB05	07/29/11												6.22		1.799		
CB05	08/01/11												6.2		1.695		
CB05	08/02/11												6.27		1.969		
CB05	08/03/11												6.24		1.744		
CB05	08/04/11												6.29		1.845		
CB05	08/05/11												6.37		1.847		
CB05	08/08/11												6.43		1.465		
CB05	08/09/11												6.21		1.76		
CB05	08/10/11												6.48		0.843		
CB05	08/11/11												6.74		1.36		
CB05	08/12/11												6.5		1.975		
CB05	08/15/11												6.5		0.738		
CB05	08/15/11												6.42		0.674		
CB05	08/16/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	08/16/11																
CB05	08/16/11												6.21		0.834		
CB05	08/17/11												6.63		1.073		
CB05	08/18/11												6.7		1.356		
CB05	08/19/11												6.51		1.216		
CB05	08/22/11												7.03		0.73		
CB05	08/23/11												7.01		1.063		
CB05	08/24/11												6.84		1.262		
CB05	08/25/11												6.8		1.44		
CB05	08/26/11												6.81		1.172		
CB05	08/29/11												6.38		0.379		
CB05	08/30/11												6.38		0.45		
CB05	08/31/11												7.54		0.463		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB05	09/01/11												7.67		0.493		
CB05	09/02/11												7.18		0.558		
CB05	09/06/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	09/06/11												7.14		0.549		
CB05	09/07/11												6.65		0.557		
CB05	09/08/11												7.45		0.409		
CB05	09/09/11												7.75		0.392		
CB05	09/12/11												7.4		0.551		
CB05	09/13/11												7.58		0.558		
CB05	09/14/11												7.52		0.554		
CB05	09/15/11												7.37		0.648		
CB05	09/16/11												6.93		0.545		
CB05	09/19/11												7.4		0.779		
CB05	09/20/11												7.22		0.847		
CB05	09/21/11												6.96		0.879		
CB05	09/22/11												7.45		0.845		
CB05	09/23/11												7.29		0.623		
CB05	09/26/11												6.94		0.616		
CB05	09/27/11												7.31		0.738		
CB05	09/28/11												7.39		0.746		
CB05	09/29/11												7.12		0.741		
CB05	09/30/11												15.24		0.495		
CB05	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	10/03/11												6.06		0.685		
CB05	10/04/11												6.85		0.446		
CB05	10/05/11												6.8		0.475		
CB05	10/06/11												7.11		0.452		
CB05	10/07/11												6.74		0.331		
CB05	10/10/11												6.51		0.612		
CB05	10/11/11												6.7		0.818		
CB05	10/12/11												7.03		0.715		
CB05	10/13/11												7.1		0.39		
CB05	10/14/11												7.21		0.623		
CB05	10/17/11												7.09		0.458		
CB05	10/18/11												7.13		0.495		
CB05	10/19/11												7.12		0.499		
CB05	10/20/11												6.93		0.579		
CB05	10/21/11												7.24		0.517		
CB05	10/24/11												7.15		0.577		
CB05	10/25/11												7.04		0.594		
CB05	10/26/11												6.82		0.713		
CB05	10/27/11												7.13		0.673		
CB05	10/28/11												6.97		0.673		
CB05	10/31/11												7		0.755		
CB05	11/01/11												7.24		0.707		
CB05	11/02/11												7.15		0.737		
CB05	11/03/11												6.48		1.155		
CB05	11/04/11												6.46		1.13		
CB05	11/07/11												7.11		0.76		
CB05	11/08/11												6.96		0.773		
CB05	11/09/11												6.96		0.774		
CB05	11/10/11												7		0.739		
CB05	11/11/11												7.05		0.751		
CB05	11/14/11												6.18		1.492		
CB05	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	11/15/11												6.42		1.277		
CB05	11/16/11												6.11		1.629		
CB05	11/17/11												6.19		1.365		
CB05	11/18/11												6.45		1.537		
CB05	11/28/11												6.37		1.023		
CB05	11/29/11												6.36		0.989		
CB05	11/30/11												6.54		0.705		
CB05	12/01/11												6.49		0.8		
CB05	12/02/11												6.55		0.952		
CB05	12/13/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	03/06/12												6.77		1.934		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB05	03/22/12												6.74		0.629		
CB05	04/03/12												6.69		0.927		
CB05	04/04/12												6.73		0.985		
CB05	04/05/12												6.71		0.971		
CB05	04/06/12												6.68		0.905		
CB05	04/09/12												6.41		1.142		
CB05	04/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	04/10/12												6.65		0.749		
CB05	04/11/12												6.3		0.78		
CB05	04/12/12												6.67		0.671		
CB05	04/13/12												6.91		0.687		
CB05	04/16/12												6.96		0.607		
CB05	04/17/12												6.74		0.77		
CB05	04/18/12												6.8		0.724		
CB05	04/19/12												6.98		0.736		
CB05	04/20/12												6.74		0.699		
CB05	04/23/12												6.82		0.4		
CB05	04/23/12												6.91		0.378		
CB05	04/24/12												7.31		0.344		
CB05	04/26/12												6.97		0.38		
CB05	04/27/12												7.18		0.4		
CB05	04/30/12												7.21		0.404		
CB05	05/01/12												7.15		0.445		
CB05	05/02/12												7.25		0.37		
CB05	05/03/12												7.01		0.44		
CB05	05/07/12												7.18		0.453		
CB05	05/08/12												6.96		0.479		
CB05	05/09/12												6.95		0.31		
CB05	05/11/12												7.34		0.34		
CB05	05/14/12												7.01		0.401		
CB05	05/15/12												6.55		0.461		
CB05	05/16/12												6.87		0.412		
CB05	05/17/12												7.3		0.38		
CB05	05/18/12												7.07		0.407		
CB05	05/21/12												7.32		0.491		
CB05	05/22/12												6.85		0.607		
CB05	05/23/12												6.82		0.499		
CB05	05/30/12												6.94		0.492		
CB05	06/05/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	06/05/12												7.13		0.454		
CB05	06/13/12												7.26		0.625		
CB05	06/19/12												6.78		0.723		
CB05	06/25/12												7.31		0.567		
CB05	07/03/12												6.79		0.887		
CB05	07/05/12												6.23		0.711		
CB05	07/10/12												6.29		1.16		
CB05	07/18/12												7.04		0.742		
CB05	07/25/12												6.46		1.007		
CB05	07/30/12												6.31		0.749		
CB05	08/06/12												6.3		0.951		
CB05	08/13/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB05	08/15/12												6.52		0.914		
CB05	08/16/12												6.53		0.75		
CB05	08/28/12												6.83		0.86		
CB05	09/04/12												6.11		1.427		
CB05	09/14/12												6.24		1.354		
CB05	09/19/12												6.87		0.565		
CB05	10/09/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB05	12/03/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB05	03/26/13		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB05	10/23/13		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB05	12/03/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	01/04/05			2300													
CB04	02/28/05			2500													
CB04	04/04/05			1400													
CB04	06/06/05			2700									3.08			21.5	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB04	08/01/05			3700									3.54			19	
CB04	10/03/05			2600									4.04			16.4	
CB04	12/05/05			2300									3.21			1.5	
CB04	02/13/06			2100									3.21			0	
CB04	04/03/06			2500									3.4			6.5	
CB04	08/07/06			2300									2.81			26.5	
CB04	10/16/06			2800									3.22			11	
CB04	04/09/07											13090	3.74		0.788	2.3	
CB04	05/10/07					108.87											
CB04	05/10/07				457.5							8870	3.14		0.903	23.41	35.2
CB04	06/11/07					72.8		20 U		30 U	30 U	7320	3.42		0.775	23.6	
CB04	07/16/07					7.74						7410	4.77		0.737	26.2	
CB04	08/16/07					1.81											
CB04	08/16/07				216.6							9450	5.18		0.773	21.2	
CB04	09/07/07					0											
CB04	10/01/07					16.32											
CB04	10/02/07											7440	4.7		0.924	13.1	
CB04	10/25/07					30.77											
CB04	10/25/07				243.5							9920	3.68		1.024	13.23	10
CB04	12/03/07							20 U		30 U	30 U	12750	3.65		2.93	0.7	
CB04	12/04/07					179.31											
CB04	01/23/08					149.94											
CB04	04/07/08							20 U		30 U	30 U	11850	3.65		0.593	5.7	
CB04	05/20/08				397.1	108.92						11870	3.94		0.441	9.37	
CB04	06/19/08					25.47											
CB04	07/08/08				399	16.56						6730	3.6		0.794	27.69	
CB04	07/23/08											6200	3.87		0.816	19	
CB04	08/07/08				155.2							7950	3.84		0.47	22.75	
CB04	08/18/08							20 U		30 U	30 U	6550	3.29		1.023	25.4	
CB04	09/09/08											6010	4.1		0.855	18.7	
CB04	09/11/08				415.3	24.52						10170	3.66		1.023	14.63	
CB04	10/06/08											8850	4.71		0.672	11.8	
CB04	10/22/08					68.28											
CB04	10/23/08				246.5							13030	4.74		0.595	4.51	
CB04	11/19/08							20 U		30 U	30 U	13560	3.83		0.303	0.2	
CB04	12/08/08				456.8							15300	3.54		0.858	0	
CB04	12/15/08											12610	4.15		0.4123	2.3	
CB04	02/10/09				170.1							16450	5.82		0.458	1.2	
CB04	03/17/09				314.8			20 U		30 U	30 U	13690	3.95		0.559	6.7	
CB04	04/08/09				442			20 U		30 U	30 U	14970	3.85		0.486	4.4	
CB04	05/12/09							20 U		30 U	30 U	5760	5		0.3439	14.8	
CB04	05/14/09				192.4							9820	4.47		0.4	12.14	
CB04	06/09/09							20 U		30 U	30 U	7970	5.1		0.1627	12.8	
CB04	06/11/09					145.15											
CB04	07/27/09							20 U		30 U	30 U	5900	4.68		0.541	24.6	
CB04	08/11/09											5330	4.07		0.566	25.9	
CB04	08/19/09				243							7490	4.18		0.62	26.9	
CB04	09/08/09											4400	4.72		0.66	21.5	
CB04	09/09/09				236							8600	4.89		0.631	20.75	
CB04	10/14/09											9460	4.86		0.536	6.7	
CB04	11/10/09							20 U		30 U	30 U	6820	4.07		0.762	8.8	
CB04	12/07/09											13900	5.28		0.474	3.7	
CB04	01/04/10												4.84		1.036		
CB04	01/04/10												4.88		1.052		
CB04	01/05/10												5.05		1.089		
CB04	01/05/10												5.05		1.081		
CB04	01/06/10												5.03		1.036		
CB04	01/06/10												5.03		1.014		
CB04	01/07/10												5.01		0.895		
CB04	01/07/10												5		0.874		
CB04	01/08/10												5.02		0.829		
CB04	01/08/10												4.81		0.826		
CB04	01/11/10												4.86		0.8		
CB04	01/12/10							20 U		30 U	30 U	13850	5.02		0.3347	0.4	
CB04	01/13/10												5.03		0.88		
CB04	01/13/10												5.06		0.847		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB04	01/14/10												5.08		0.9		
CB04	01/14/10												5.07		0.902		
CB04	01/15/10												5.06		0.871		
CB04	01/15/10												5.09		0.856		
CB04	01/18/10												5.14		0.759		
CB04	01/19/10												5.17		0.754		
CB04	01/19/10												5.43		0.75		
CB04	01/20/10												5.63		0.747		
CB04	01/20/10												5.99		0.748		
CB04	01/21/10												4.61		0.642		
CB04	01/21/10												4.43		0.607		
CB04	01/22/10												4.46		0.655		
CB04	01/22/10												4.44		0.649		
CB04	01/25/10												4.96		0.51		
CB04	01/25/10												5.19		0.552		
CB04	01/25/10												5.66		0.466		
CB04	01/25/10												5.62		0.268		
CB04	01/25/10												5.11		0.244		
CB04	01/26/10							20 U		30 U	30 U	9350	5.16		0.2422	1.8	
CB04	01/27/10												5.01		0.452		
CB04	01/27/10												5.53		0.437		
CB04	01/28/10												4.84		0.455		
CB04	01/28/10												5.32		0.423		
CB04	01/29/10												5.36		0.439		
CB04	01/29/10												5.23		0.44		
CB04	02/01/10												5.25		0.523		
CB04	02/03/10												5.26		0.534		
CB04	02/03/10												5.32		0.528		
CB04	02/04/10												5.31		0.514		
CB04	02/04/10												5.29		0.521		
CB04	02/05/10												5.28		0.548		
CB04	02/08/10												5.27		0.593		
CB04	02/08/10												5.28		0.574		
CB04	02/09/10												5.27		0.597		
CB04	02/09/10												5.31		0.594		
CB04	02/10/10							20 U		30 U	30 U	12660	5.36		0.639	2.7	
CB04	02/11/10												5.36		0.544		
CB04	02/11/10												5.45		0.537		
CB04	02/12/10												5.32		0.574		
CB04	02/12/10												5.48		0.577		
CB04	02/15/10												5.68		0.576		
CB04	02/15/10												5.68		0.577		
CB04	02/16/10												5.68		0.582		
CB04	02/17/10												5.91		0.572		
CB04	02/18/10												6.15		0.552		
CB04	02/19/10												5.9		0.534		
CB04	02/19/10												6.09		0.538		
CB04	02/22/10												6.38		0.518		
CB04	02/22/10												5.74		0.532		
CB04	02/23/10												5.48		0.597		
CB04	02/25/10												6.05		0.577		
CB04	03/02/10												4.33		0.48		
CB04	03/02/10												4.24		0.373		
CB04	03/03/10												4.32		0.433		
CB04	03/03/10												4.32		0.437		
CB04	03/04/10												4.28		0.453		
CB04	03/04/10												4.28		0.457		
CB04	03/08/10												4.27		0.326		
CB04	03/08/10												6.01		0.463		
CB04	03/08/10												6.16		0.405		
CB04	03/09/10							20 U		30 U	30 U	11620	5.43		0.4976	4.5	
CB04	03/10/10												6.13		0.467		
CB04	03/10/10												6.14		0.516		
CB04	03/11/10												6.37		0.466		
CB04	03/11/10												6.37		0.444		
CB04	03/17/10												5.98		0.324		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB04	03/17/10												5.31		0.254		
CB04	03/18/10												6.32		0.257		
CB04	03/18/10												6.17		0.274		
CB04	03/22/10												5.39		0.296		
CB04	03/23/10												5.92		0.191		
CB04	03/23/10												5.52		0.183		
CB04	03/24/10												6.01		0.059		
CB04	03/25/10												6.14		0.289		
CB04	03/29/10												6.47		0.153		
CB04	03/30/10												5.09		0.167		
CB04	03/31/10												5.94		0.157		
CB04	04/05/10											7760	6.11		0.3135	14.3	
CB04	04/19/10												6.18		0.4		
CB04	04/20/10												5.25		0.43		
CB04	04/20/10												5.07		0.425		
CB04	04/21/10												5.2		0.446		
CB04	04/21/10												5.11		0.36		
CB04	04/22/10												5.24		0.444		
CB04	04/22/10												4.89		0.44		
CB04	04/23/10												5.06		0.431		
CB04	04/26/10												4.7		0.44		
CB04	04/27/10												6.46		0.341		
CB04	04/27/10												6.46		0.186		
CB04	04/28/10												5.98		0.5		
CB04	05/03/10												6.86		0.323		
CB04	05/04/10	2 U						20 U		30 U	30 U	7930	6.91		0.333	17.7	
CB04	05/06/10												7.12		0.409		
CB04	05/10/10												6.82		0.309		
CB04	05/10/10												6.47		0.289		
CB04	05/11/10												6.7		0.227		
CB04	05/12/10												6.51		0.226		
CB04	05/13/10												6.56		0.196		
CB04	05/13/10												6.83		0.2		
CB04	05/17/10												6.88		0.156		
CB04	05/19/10												6.14		0.346		
CB04	05/24/10												6.75		0.088		
CB04	05/25/10												6.96		0.357		
CB04	05/26/10												6.64		0.386		
CB04	05/27/10												7.11		0.381		
CB04	06/01/10												6.88		0.376		
CB04	06/02/10												6.91		0.379		
CB04	06/02/10												6.94		0.391		
CB04	06/03/10												6.73		0.415		
CB04	06/04/10												6.67		0.418		
CB04	06/07/10							20 U		30 U	30 U	3550	5.98		0.599	19.8	
CB04	06/08/10												6.71		0.587		
CB04	06/09/10												6.17		0.58		
CB04	06/10/10												6.78		0.492		
CB04	06/15/10												6.81		0.463		
CB04	06/16/10												5.77		0.603		
CB04	06/18/10												5.88		0.662		
CB04	06/21/10												6.28		0.557		
CB04	06/22/10												4.3		1.076		
CB04	06/23/10												5.75		0.392		
CB04	06/24/10												6.32		0.293		
CB04	06/25/10												6.72		0.284		
CB04	06/25/10												6.31		0.287		
CB04	06/27/10												5.12		0.8		
CB04	06/28/10												6.55		0.66		
CB04	07/01/10												6.59		0.708		
CB04	07/02/10												6.54		0.722		
CB04	07/06/10												6.3		0.768		
CB04	07/08/10												5.57		0.828		
CB04	07/13/10												5.42		0.871		
CB04	07/14/10												7.41		0.752		
CB04	07/15/10												6.47		0.753		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB04	07/19/10												5.48		0.814		
CB04	07/20/10												5.43		0.805		
CB04	07/21/10												4.15		0.902		
CB04	07/22/10												4.26		0.936		
CB04	07/23/10												6.46		0.738		
CB04	07/26/10												5.74		0.315		
CB04	07/27/10												5.96		0.348		
CB04	07/28/10												7.03		0.789		
CB04	07/29/10												6.19		0.604		
CB04	07/30/10												7.05		0.823		
CB04	08/02/10												6.76		0.571		
CB04	08/03/10												6.63		0.573		
CB04	08/04/10												6.8		0.568		
CB04	08/05/10												5.31		0.847		
CB04	08/09/10												5.65		0.885		
CB04	08/10/10												5.26		1.091		
CB04	08/11/10												7.09		1.037		
CB04	08/12/10												4.7		1.038		
CB04	08/16/10							20 U		30 U	30 U	6710	6.54		0.834	25	
CB04	08/17/10												6.97		0.909		
CB04	08/19/10												6.9		0.888		
CB04	08/19/10												6.71		0.911		
CB04	08/20/10												5.47		1.27		
CB04	08/23/10												5.26		2.141		
CB04	08/23/10												3.61		1.464		
CB04	08/23/10												3.81		1.26		
CB04	08/24/10												6.48		0.629		
CB04	08/25/10												5.88		0.782		
CB04	08/26/10												6.16		0.738		
CB04	08/30/10												6.66		0.602		
CB04	09/01/10												7.46		0.516		
CB04	09/02/10												6.78		0.835		
CB04	09/03/10												6.92		0.82		
CB04	09/07/10												7.82		0.601		
CB04	09/08/10	2 U						20 U		30 U	30 U	7180	7.51		0.653	19.8	
CB04	09/09/10												7.48		0.584		
CB04	09/10/10												6.32		0.54		
CB04	09/14/10												7.28		0.593		
CB04	09/15/10												7.05		0.7		
CB04	09/16/10												7.41		0.595		
CB04	09/17/10												6.03		0.929		
CB04	09/20/10												7.04		0.76		
CB04	09/21/10												7.32		0.717		
CB04	09/22/10												7.28		0.715		
CB04	09/27/10												7.84		0.393		
CB04	09/28/10												6.42		0.633		
CB04	09/29/10												4.48		1.381		
CB04	09/30/10												5.27		0.759		
CB04	10/01/10												5.08		0.539		
CB04	10/04/10							20 U		30 U	30 U	8300	6.15		0.516	14.6	
CB04	10/05/10												6.94		0.562		
CB04	10/06/10												6.81		0.538		
CB04	10/07/10												6.52		0.559		
CB04	10/11/10												7.03		0.496		
CB04	10/12/10												6.86		0.485		
CB04	10/13/10												7.05		0.449		
CB04	10/14/10												6.93		0.461		
CB04	10/15/10												6.18		0.4		
CB04	10/18/10												6.92		0.253		
CB04	10/19/10												7.15		0.329		
CB04	10/20/10												7.13		0.281		
CB04	10/21/10												7.12		0.305		
CB04	10/22/10												7.19		0.323		
CB04	10/25/10												7.26		0.453		
CB04	10/26/10												6.96		0.378		
CB04	10/27/10												7.14		0.433		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB04	10/28/10												6.48		0.284		
CB04	10/29/10												6.56		0.241		
CB04	11/01/10												6.76		0.176		
CB04	11/02/10												6.54		0.309		
CB04	11/03/10							20 U		30 U	30 U	8610	6.24		0.3251	4.4	
CB04	11/04/10												6.42		0.285		
CB04	11/05/10												7.19		0.388		
CB04	11/08/10												6.24		0.848		
CB04	11/09/10												6.43		0.24		
CB04	11/10/10												6.26		0.247		
CB04	11/11/10												6.89		0.251		
CB04	11/12/10												7.07		0.24		
CB04	11/15/10												7.36		0.256		
CB04	11/17/10												5.97		0.368		
CB04	11/18/10												7.18		0.239		
CB04	11/19/10												7.03		0.243		
CB04	11/22/10												6.03		0.238		
CB04	11/29/10												6.51		0.257		
CB04	11/30/10												6.67		0.242		
CB04	12/01/10												6.36		0.63		
CB04	12/02/10												6.4		0.228		
CB04	12/03/10												6.64		0.198		
CB04	12/06/10							20 U		30 U	30 U	14710	6.8		0.1123	0.4	
CB04	12/07/10												7.2		0.205		
CB04	12/08/10												7.01		0.201		
CB04	12/13/10												6.42		0.148		
CB04	01/18/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB04	01/20/11												7.23		0.265		
CB04	02/07/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB04	03/08/11												6.81		0.113		
CB04	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB04	03/17/11												6.9		0.128		
CB04	03/24/11												7.2		0.12		
CB04	03/30/11												7.25		0.261		
CB04	04/04/11		2500 U	2500 U			2500 U	500 U	2500 U	500 U	2500 U			30 U			
CB04	04/08/11												6.74		0.379		
CB04	04/11/11												6.41		0.221		
CB04	04/14/11												6.9		0.131		
CB04	04/21/11												6.87		0.127		
CB04	04/27/11												7.83		0.129		
CB04	04/29/11												6.95		0.152		
CB04	05/04/11												7.54		0.245		
CB04	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB04	05/12/11												7.35		0.253		
CB04	05/16/11												6.33		0.311		
CB04	05/17/11												7.08		0.29		
CB04	05/18/11												8.07		0.251		
CB04	05/19/11												6.9		0.379		
CB04	05/23/11												7.55		0.253		
CB04	05/24/11												7.67		0.266		
CB04	05/25/11												7.62		0.239		
CB04	05/26/11												7.56		0.233		
CB04	05/27/11												7.89		0.31		
CB04	05/31/11												7.76		0.282		
CB04	06/01/11												7.3		0.283		
CB04	06/02/11												7.53		0.475		
CB04	06/03/11												7.57		0.83		
CB04	06/06/11												7.79		1.507		
CB04	06/07/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB04	06/07/11												7.84		0.785		
CB04	06/08/11												7.8		0.457		
CB04	06/09/11												7.57		0.711		
CB04	06/10/11												7.63		0.864		
CB04	06/13/11												7.74		0.809		
CB04	06/14/11												7.31		0.839		
CB04	06/15/11												8.27		0.749		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB04	06/16/11												7.96		0.799		
CB04	06/17/11												7.71		0.85		
CB04	06/20/11												7.63		0.719		
CB04	06/21/11												7.6		0.68		
CB04	06/22/11												7.59		0.744		
CB04	06/23/11												7.14		0.76		
CB04	06/24/11												9.51		1.164		
CB04	06/27/11												7.54		0.427		
CB04	06/28/11												7.44		0.594		
CB04	06/29/11												7.56		0.297		
CB04	06/30/11												7.62		0.555		
CB04	07/01/11												7.57		0.557		
CB04	07/05/11												7.49		1.46		
CB04	07/06/11												7.62		0.758		
CB04	07/07/11												7.6		0.877		
CB04	07/08/11												7.64		0.706		
CB04	07/11/11												7.61				
CB04	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB04	07/12/11												7.51		0.78		
CB04	07/13/11												7.51		0.897		
CB04	07/14/11												7.42		0.969		
CB04	07/15/11												7.25		0.713		
CB04	07/18/11												7.57		0.64		
CB04	07/19/11												7.64		0.685		
CB04	07/20/11												7.66		0.822		
CB04	07/21/11												7.64		0.793		
CB04	07/22/11												7.66		0.711		
CB04	07/25/11												7.58		0.81		
CB04	07/26/11												7.3		0.778		
CB04	07/27/11												7.54		0.849		
CB04	07/28/11												7.64		0.837		
CB04	07/29/11												7.66		1.034		
CB04	08/01/11												7.61		0.937		
CB04	08/02/11												7.64		0.875		
CB04	08/03/11												7.68		0.838		
CB04	08/04/11												7.69		1.164		
CB04	08/05/11												7.68		1.261		
CB04	08/08/11												7.73		1.209		
CB04	08/09/11												7.78		1.238		
CB04	08/10/11												6.33		0.962		
CB04	08/11/11												10.21		1.022		
CB04	08/12/11												7.68		0.865		
CB04	08/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	08/15/11												6.05		1.549		
CB04	08/15/11												6.11		1.132		
CB04	08/16/11												6.05		0.585		
CB04	08/17/11												6.14		0.509		
CB04	08/18/11												7.37		0.409		
CB04	08/19/11												7.55		0.473		
CB04	08/22/11												7.24		0.436		
CB04	08/23/11												7.52		0.511		
CB04	08/24/11												7.59		0.356		
CB04	08/25/11												7.64		0.648		
CB04	08/26/11												7.71		0.471		
CB04	08/29/11												7.04		0.087		
CB04	08/30/11												7.12		0.153		
CB04	08/31/11												7.41		0.132		
CB04	09/01/11												7.53		0.165		
CB04	09/02/11												7.67		0.154		
CB04	09/06/11												6.34		0.464		
CB04	09/07/11	12	500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB04	09/07/11												6.06		0.441		
CB04	09/08/11												6.9		0.143		
CB04	09/09/11												7.41		0.119		
CB04	09/12/11												7.5		0.168		
CB04	09/13/11												8.16		0.255		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB04	09/14/11												7.51		0.233		
CB04	09/15/11												7.59		0.243		
CB04	09/16/11												7.62		0.262		
CB04	09/19/11												7.45		0.186		
CB04	09/20/11												7.62		0.283		
CB04	09/21/11												7.24		0.169		
CB04	09/22/11												7.66		0.239		
CB04	09/23/11												7.31		0.281		
CB04	09/26/11												7.44		0.218		
CB04	09/27/11												7.25		0.208		
CB04	09/28/11												7.37		0.214		
CB04	09/29/11												7.22		0.309		
CB04	09/30/11												7.14		0.208		
CB04	10/03/11												6.8		0.195		
CB04	10/04/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	10/04/11												6.21		0.476		
CB04	10/05/11												7.2		0.22		
CB04	10/06/11												7.22		0.266		
CB04	10/07/11												7.12		0.175		
CB04	10/10/11												7.45		0.162		
CB04	10/11/11												7.52		0.192		
CB04	10/12/11												7.66		0.214		
CB04	10/13/11												7.25		0.231		
CB04	10/14/11												6.96		0.413		
CB04	10/17/11												7.27		0.269		
CB04	10/18/11												7.37		0.255		
CB04	10/19/11												7.44		0.272		
CB04	10/20/11												7.26		0.314		
CB04	10/21/11												7.44		0.322		
CB04	10/24/11												7.39		0.216		
CB04	10/25/11												7.55		0.265		
CB04	10/26/11												7.56		0.219		
CB04	10/27/11												7.75		0.373		
CB04	10/28/11												7.58		0.347		
CB04	10/31/11												7.34		0.41		
CB04	11/01/11												6.89		0.25		
CB04	11/02/11												7.35		0.327		
CB04	11/03/11												7.46		0.311		
CB04	11/04/11												7.49		0.336		
CB04	11/07/11												7.47		0.322		
CB04	11/08/11												7.3		0.296		
CB04	11/09/11												7.32		0.217		
CB04	11/10/11												7.55		0.256		
CB04	11/11/11												7.6		0.248		
CB04	11/14/11												7.74		0.233		
CB04	11/15/11		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB04	11/15/11												7.79		0.255		
CB04	11/16/11												7.6		0.276		
CB04	11/17/11												7.6		0.323		
CB04	11/18/11												7.54		0.342		
CB04	11/28/11												6.98		0.444		
CB04	11/29/11												7.57		0.249		
CB04	11/30/11												6.89		0.262		
CB04	12/01/11												7.34		0.298		
CB04	12/02/11												7.31		0.325		
CB04	12/13/11		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB04	01/17/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	02/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	03/06/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	03/06/12												7.58		0.385		
CB04	03/22/12												7.84		0.215		
CB04	04/03/12												7.08		0.228		
CB04	04/04/12												6.83		0.231		
CB04	04/05/12												7.24		0.227		
CB04	04/06/12												6.95		0.237		
CB04	04/09/12												7.54		0.246		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB04	04/10/12												7.3		0.22		
CB04	04/11/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	04/11/12												7.57		0.259		
CB04	04/12/12												7.52		0.279		
CB04	04/13/12												7.34		0.266		
CB04	04/16/12												7.77		0.26		
CB04	04/17/12												7.63		0.283		
CB04	04/18/12												7.56		0.276		
CB04	04/19/12												7.57		0.275		
CB04	04/20/12												7.7		0.289		
CB04	04/23/12												6.63		0.33		
CB04	04/23/12												6.61		0.326		
CB04	04/24/12												7.15		0.238		
CB04	04/26/12												7.24		0.2		
CB04	04/27/12												7.44		0.333		
CB04	04/30/12												7.49		0.21		
CB04	05/01/12												7.1		0.409		
CB04	05/02/12												7.6		0.274		
CB04	05/03/12												7.56		0.386		
CB04	05/07/12												7.66		0.241		
CB04	05/08/12												6.91		0.4		
CB04	05/09/12												7.43		0.227		
CB04	05/10/12												7.26		0.279		
CB04	05/11/12												7.52		0.205		
CB04	05/14/12												7.66		0.178		
CB04	05/15/12												7.62		0.332		
CB04	05/16/12												7.74		0.268		
CB04	05/17/12												7.44		0.237		
CB04	05/18/12												7.71		0.232		
CB04	05/21/12												7.1		0.277		
CB04	05/22/12												7.98		0.253		
CB04	05/23/12												7.87		0.26		
CB04	05/30/12												7.73		0.287		
CB04	06/05/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB04	06/05/12												7.79		0.213		
CB04	06/13/12												7.56		0.485		
CB04	06/19/12												7.72		0.342		
CB04	06/25/12												7.66		0.403		
CB04	07/03/12												7.5		0.401		
CB04	07/05/12												7.74		0.333		
CB04	07/10/12												7.28		0.462		
CB04	07/18/12												7.44		0.506		
CB04	07/24/12												7.47		0.525		
CB04	07/25/12												7.45		0.533		
CB04	07/30/12												6.95		0.574		
CB04	08/06/12												7.43		0.497		
CB04	08/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB04	08/15/12												7.12		0.848		
CB04	08/16/12												6.67		0.64		
CB04	08/28/12												7.17		0.601		
CB04	09/04/12												6.91		0.688		
CB04	09/11/12												6.99		0.554		
CB04	09/14/12												6.98		0.594		
CB04	09/19/12												6.93		0.376		
CB04	12/04/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB04	03/26/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB04	10/23/13		5000 U	1000 U			1000 U	1000 U	1000 U	1000 U	1000 U			10 U			
CB04	12/03/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	12/05/05			1600									2.85			3	
CB03	02/13/06			3400									3.01			0	
CB03	04/03/06			2200									3.1			4.5	
CB03	08/07/06			1800									2.87			22.5	
CB03	10/16/06			2700									2.96			7	
CB03	04/09/07											13960	3.11		1295	2.7	
CB03	05/10/07				517.7	8.21						9630	2.88		1235	18.02	39.1
CB03	05/10/07				517.7							9630	2.88		1.235	18.02	39.1

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	06/11/07					27.51		20 U		30 U	30 U	7710	3.05		1197	17.4	
CB03	07/16/07					6.78						9200	3.01		15.69	17.4	
CB03	08/16/07				522.7	4.45						9210	1.35		1662	18.93	
CB03	08/16/07				522.7							9210	1.35		1.662	18.93	
CB03	10/01/07					9.4											
CB03	10/02/07											6490	3.15		1489	14.6	
CB03	10/25/07				476.7	42.46						8850	2.94		1814	11.02	16
CB03	10/25/07				476.7							8850	2.94		1.814	11.02	16
CB03	12/04/07					77.58											
CB03	01/23/08					67.85											
CB03	02/20/08					137.35											
CB03	03/11/08					254.01											
CB03	04/07/08							20 U		30 U	30 U	9600	3.06		1.364	6.8	
CB03	05/20/08				508.2	32.02						10910	2.88		1.234	8	
CB03	07/08/08				519.4	8.38						6850	2.69		1.531	22.37	
CB03	07/23/08											6700	2.92		1.431	17.8	
CB03	08/07/08				409.6	124.32						8090	2.88		1.179	20.39	
CB03	09/11/08				469.9	9.25						4290	2.72		1.966	13.74	
CB03	10/07/08											9490	3.16		1.246	8.3	
CB03	10/22/08					21.67											
CB03	10/23/08				547.9							14040	1.58		1.073	3.85	
CB03	11/17/08				502.6	133.87						14470	3		1.127	5.8	
CB03	12/08/08				505.3	46.93						14850	2.88		1.3	-0.02	
CB03	12/16/08											12030	3.26		751	2	
CB03	02/10/09				480	23.13						15360	3.31		1.388	0.85	
CB03	03/17/09				481.3							13420	2.56		1.589	3.57	
CB03	04/08/09				468.4							14950	2.98		1.056	3.61	
CB03	04/09/09							20 U		30 U	30 U	9160	3.3		923	8.6	
CB03	05/14/09				505.5	43.54						10250	2.65		1.081	11	
CB03	06/11/09				501.5	50.18						9590	2.98		0.885	16.89	
CB03	07/22/09				464							8650	3.03		0.962	17.11	
CB03	07/27/09							20 U		30 U	30 U	6420	3.38		1.088	20.5	
CB03	08/19/09				502.3							7000	2.89		1.366	24.11	
CB03	09/09/09				506.5							8560	3.21		1.408	19.38	
CB03	10/06/09				475.4							8730	2.75		1.206	11.69	
CB03	10/15/09											9930	3.2		1.177	5.6	
CB03	11/09/09				519							10290	2.82		1.211	7.42	
CB03	12/08/09	210										13920	3.27		0.938	3	
CB03	01/12/10							20 U		30 U	30 U	13640	3.27		0.513	0.6	
CB03	01/21/10												2.46		1.03		
CB03	01/21/10												2.43		1.041		
CB03	01/22/10												2.88		1.037		
CB03	01/22/10												2.91		1.04		
CB03	01/25/10							20 U		30 U	30 U	9380	5.4		0.659	2.7	
CB03	01/25/10											9380	4.11		659	2.7	
CB03	01/26/10												3.59		0.635		
CB03	01/26/10												3.67		0.68		
CB03	01/26/10							20 U		30 U	30 U						
CB03	01/27/10												2.87		0.615		
CB03	01/27/10												3.28		0.597		
CB03	01/28/10												2.88		0.604		
CB03	01/28/10												2.73		0.631		
CB03	01/29/10												2.44		0.536		
CB03	01/29/10												2.68		0.564		
CB03	02/01/10												2.6		0.674		
CB03	02/03/10												3.41		0.718		
CB03	02/03/10												3.21		0.644		
CB03	02/04/10												3.36		0.743		
CB03	02/04/10												3.19		0.688		
CB03	02/05/10												3.21		0.654		
CB03	02/08/10												3.21		0.646		
CB03	02/08/10												3.24		0.671		
CB03	02/09/10												3.28		0.787		
CB03	02/09/10												3.38		0.483		
CB03	02/10/10							20 U		30 U	30 U	12410	3.26		0.42	1.3	
CB03	02/11/10												3.44		0.769		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	02/11/10												3.36		0.771		
CB03	02/12/10												3.25		0.692		
CB03	02/12/10												3.22		0.667		
CB03	02/15/10												3.07		0.804		
CB03	02/15/10												3.46		0.701		
CB03	02/16/10												2.61		0.806		
CB03	02/17/10												3.37		0.796		
CB03	02/18/10												3.28		0.807		
CB03	02/19/10												2.69		0.81		
CB03	02/19/10												3.51		0.809		
CB03	02/22/10												2.76		0.813		
CB03	02/22/10												3.64		0.655		
CB03	02/23/10												3.65		0.804		
CB03	02/23/10												3.57		0.818		
CB03	02/25/10												2.72		0.932		
CB03	03/02/10												2.8		0.899		
CB03	03/02/10												3.96		1.156		
CB03	03/03/10												3.33		0.963		
CB03	03/03/10												4.05		1.05		
CB03	03/04/10												4.03		1.025		
CB03	03/04/10												3.59		0.917		
CB03	03/08/10												3.8		0.721		
CB03	03/08/10												4.42		0.872		
CB03	03/09/10							20 U		30 U	30 U	10130	3.02		0.918	3.6	
CB03	03/09/10											10130	4.33		918	3.6	
CB03	03/10/10												3.14		0.705		
CB03	03/10/10												4.28		0.742		
CB03	03/11/10												2.94		0.69		
CB03	03/11/10												3.87		0.753		
CB03	03/17/10												3.61		0.505		
CB03	03/17/10												3.81		0.399		
CB03	03/18/10												3.47		0.369		
CB03	03/18/10												3.2		0.319		
CB03	03/22/10												3.71		0.364		
CB03	03/23/10												4.1		0.585		
CB03	03/23/10												4.91		0.385		
CB03	03/24/10												3.91		0.348		
CB03	03/25/10												3.53		0.405		
CB03	03/29/10												3.72		0.645		
CB03	03/30/10												3.22		0.827		
CB03	03/31/10												3.42		0.5		
CB03	04/06/10											9390	4.27		0.2722	8.5	
CB03	04/19/10												3.57		0.388		
CB03	04/20/10												4.01		0.205		
CB03	04/20/10												3.77		0.249		
CB03	04/21/10												3.57		0.252		
CB03	04/21/10												3.73		0.233		
CB03	04/22/10												4.13		0.234		
CB03	04/22/10												3.79		0.229		
CB03	04/23/10												3.62		0.227		
CB03	04/26/10												3.78		0.22		
CB03	04/27/10												3.65		0.303		
CB03	04/27/10												4.36		1.14		
CB03	04/28/10												3.67		0.549		
CB03	05/03/10												3.56		0.486		
CB03	05/04/10							20 U		30 U	30 U	8260	3.48		0.517	13.6	
CB03	05/04/10											8260	3.96		517	13.6	
CB03	05/06/10												3.7		0.725		
CB03	05/10/10												3.96		0.293		
CB03	05/10/10												4.24		0.319		
CB03	05/11/10												4.43		0.278		
CB03	05/12/10												3.86		0.266		
CB03	05/13/10												3.86		0.476		
CB03	05/13/10												3.66		0.479		
CB03	05/17/10												4.18		0.534		
CB03	05/19/10												5.47		0.352		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	05/24/10												3.73		0.615		
CB03	05/25/10												3.88		0.646		
CB03	05/26/10												3.79		0.657		
CB03	05/27/10												3.65		0.663		
CB03	06/01/10												3.64		0.76		
CB03	06/02/10												3.88		0.796		
CB03	06/02/10												3.6		0.794		
CB03	06/03/10												3.61		0.809		
CB03	06/04/10												3.5		0.829		
CB03	06/07/10												4.28		0.983		
CB03	06/08/10							20 U		30 U	30 U	8200	3.46		0.916	15.3	
CB03	06/08/10											8200	3.68		916	15.3	
CB03	06/09/10												3.4		0.914		
CB03	06/10/10												3.42		0.841		
CB03	06/15/10												3.4		0.582		
CB03	06/16/10												3.33		0.492		
CB03	06/18/10												3.77		0.281		
CB03	06/21/10												3.65		0.502		
CB03	06/22/10												3.45		0.416	19.32	
CB03	06/23/10												4.16		1.334	19.23	
CB03	06/24/10												4.13		1.127	19.97	
CB03	06/25/10												3.75		1.014	18.88	
CB03	06/25/10												3.41		0.988	19.64	
CB03	06/27/10												4.6		1.296	19.67	
CB03	06/28/10												4.5		1.11	18.03	
CB03	07/01/10												3.92		0.99	16.37	
CB03	07/02/10												3.77		1.007	17.97	
CB03	07/06/10												3.45		0.882	23.98	
CB03	07/08/10												3.41		0.964	24.83	
CB03	07/13/10												3.5		1.126	22.56	
CB03	07/14/10												3.57		1.242	22.13	
CB03	07/15/10												2.96		1.178	22.75	
CB03	07/19/10												2.77		1.229	20.32	
CB03	07/20/10												2.74		1.234	20.61	
CB03	07/21/10												4.25		0.851	23.04	
CB03	07/22/10												4.9		1.242	20.73	
CB03	07/23/10												4.11		1.198	19.09	
CB03	07/26/10												4.96		0.559	19.45	
CB03	07/27/10												4.21		0.593	19.97	
CB03	07/28/10												4.13		0.594	21.21	
CB03	07/29/10												4.66		1.237	21.24	
CB03	07/30/10												4.21		1.289	19.2	
CB03	08/02/10												3.89		0.267	20.45	
CB03	08/03/10												3.86		0.266	18.6	
CB03	08/04/10												3.61		0.259	22.26	
CB03	08/05/10												3.78		1.239	20.48	
CB03	08/09/10												3.96		1.116		
CB03	08/10/10												5.67		1.146	19.33	
CB03	08/11/10												7.28		1	22.98	
CB03	08/12/10												7.6		0.982	18.17	
CB03	08/16/10												5.91		0.879	18.61	
CB03	08/17/10							20 U		30 U	30 U	6590	7.87		1.118	21.8	
CB03	08/19/10												5.91		1081	16.6	
CB03	08/19/10					6.43							4.65		1.081		
CB03	08/19/10					6.43							4.65		1041	20.8	
CB03	08/20/10												5.81		1.048	20.28	
CB03	08/23/10												3.9		1.167	16.1	
CB03	08/23/10												4.46		1.121	16	
CB03	08/23/10												4.34		1.159	16.65	
CB03	08/24/10												5.39		1.247	17.15	
CB03	08/25/10												4.32		1.091	17.81	
CB03	08/26/10												4.77		1.035	21.03	
CB03	08/30/10												4.85		0.948	20.46	
CB03	08/31/10												4.63		1.023	23.7	
CB03	09/01/10												3.5		0.986	21.4	
CB03	09/02/10												4.15		1	18.65	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	09/03/10												4.45		1.034	22.79	
CB03	09/07/10												3.7		1.053	18.19	
CB03	09/08/10							20 U		30 U	30 U	6910	3.87		1.186	18.8	
CB03	09/08/10											6910	4.36		1186	18.8	
CB03	09/09/10												3.85		1.166	15.32	
CB03	09/10/10												4.15		1.144	14.85	
CB03	09/14/10												6.05		1.141	15.27	
CB03	09/15/10												4.64		1.171	13.46	
CB03	09/16/10												4.23		1.186	10.24	
CB03	09/17/10												6.9		1.391	13.31	
CB03	09/20/10												7.02		1.244	14.76	
CB03	09/21/10												6.77		1.234	13.55	
CB03	09/22/10												6.65		1.2	15.09	
CB03	09/27/10												2.95		1.231	12.86	
CB03	09/28/10												5.83		1.522	14.4	
CB03	09/29/10												6.13		1.885	15.47	
CB03	09/30/10												4.57		0.723	15.82	
CB03	10/01/10												4.19		0.507	15.58	
CB03	10/04/10												7.86		0.348	13.2	
CB03	10/05/10							20 U		30 U	30 U	8490	6.43		0.589	13.2	
CB03	10/05/10							20 U		30 U	30 U						
CB03	10/05/10											8490	8.18		0.615	13.2	
CB03	10/06/10												7.18		0.565	12.06	
CB03	10/07/10												6.24		0.674	11.47	
CB03	10/11/10												6.42		0.684	10.53	
CB03	10/12/10												6.59		0.672	10.13	
CB03	10/13/10												6.61		0.469	9.23	
CB03	10/14/10												6.6		0.496	7.02	
CB03	10/15/10												5.27		0.472	7.56	
CB03	10/18/10												7.03		0.315	8.96	
CB03	10/19/10												6.67		0.309	8.63	
CB03	10/20/10												5.74		0.332	6.39	
CB03	10/21/10												7.11		0.269	7.41	
CB03	10/22/10												6.65		0.194	6.82	
CB03	10/25/10												6.64		0.241	7.86	
CB03	10/26/10												6.99		0.222	8.7	
CB03	10/27/10												6.18		0.377	12.34	
CB03	10/28/10												6.83		0.247	10.72	
CB03	10/29/10												6.18		0.312	8.68	
CB03	11/01/10												6.32		0.346	5.56	
CB03	11/02/10												7.33		0.351	7.07	
CB03	11/03/10							20 U		30 U	30 U	7470	6.52		0.3458	7.8	
CB03	11/03/10											7470	5.82		264	4.78	
CB03	11/04/10												7.06		0.263	4.38	
CB03	11/05/10												7.27		0.234	6.77	
CB03	11/08/10												6.9		0.309	5.33	
CB03	11/09/10												5.52		0.303	7.5	
CB03	11/10/10												6.11		0.259	6.73	
CB03	11/11/10												6.44		0.309	5.54	
CB03	11/12/10												5.89		0.334	5.78	
CB03	11/15/10												5.85		0.286	7.21	
CB03	11/17/10												6.1		0.5	7.67	
CB03	11/18/10												6.3		0.314	5.52	
CB03	11/19/10												6.81		0.312	5.04	
CB03	11/22/10												5.56		0.306	3.68	
CB03	11/29/10												6.38		0.364	2.64	
CB03	11/30/10												6.41		0.378	2.69	
CB03	12/01/10												5.1		0.584	3.61	
CB03	12/02/10												6.07		0.261	4.16	
CB03	12/03/10												5.97		0.251	4.06	
CB03	12/06/10												6.6		0.25	2.07	
CB03	12/07/10												6.75		0.248	1.6	
CB03	12/07/10							20 U		30 U	30 U	14500	5.93		0.1451	1.9	
CB03	12/07/10							20 U		30 U	30 U						
CB03	12/08/10												6.7		0.244	1.19	
CB03	12/13/10												6.57		0.232	1.65	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	01/20/11												6.6		0.462	0.17	
CB03	02/07/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB03	02/09/11												6.6		0.128	0.35	
CB03	03/08/11												6.8		0.12	0.87	
CB03	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB03	03/17/11												6.6		0.18	3.05	
CB03	03/24/11												6.82		0.253		
CB03	03/24/11												6.82		253	0.69	
CB03	03/30/11												7.01		0.717	2.43	
CB03	04/05/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB03	04/08/11												6.7		0.458	1.5	
CB03	04/11/11												5.73		162	2.92	
CB03	04/11/11												5.73		0.162		
CB03	04/14/11												6.3		0.128	5.92	
CB03	04/21/11												6.27		0.173	4.94	
CB03	04/27/11												6.53		156	12.81	
CB03	04/27/11												6.53		0.156		
CB03	04/29/11												6.67		0.187		
CB03	05/04/11												7.22		0.372	10.61	
CB03	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB03	05/12/11												6.81		0.346	15.78	
CB03	05/16/11												6.63		0.375	9.85	
CB03	05/17/11												6.72		0.387	10.54	
CB03	05/18/11												6.9		0.387	11.22	
CB03	05/19/11												6.26		0.435	12.52	
CB03	05/23/11												7.28		0.352	11.01	
CB03	05/24/11												6.92		0.241	15.04	
CB03	05/25/11												6.8		0.302		
CB03	05/25/11												6.8		302	15.39	
CB03	05/26/11												6.4		0.311	15.36	
CB03	05/27/11												7.7		0.406	14.1	
CB03	05/31/11												6.59		0.392	18.47	
CB03	06/01/11												6.36		0.424	14.92	
CB03	06/02/11												6.55		0.357	13.27	
CB03	06/03/11												6.58		0.389	10.13	
CB03	06/06/11												7.43		0.459	16.41	
CB03	06/07/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB03	06/07/11												6.72		0.463	18.18	
CB03	06/08/11												6.73		0.491	19.23	
CB03	06/09/11												6.72		0.801	18.55	
CB03	06/10/11												6.44		0.588	16.61	
CB03	06/13/11												6.71		0.352	14.77	
CB03	06/14/11												5.48		0.715	13.26	
CB03	06/15/11												6.79		0.471	17.64	
CB03	06/16/11												7.54		0.582	17.57	
CB03	06/17/11												6.43		0.536	13.78	
CB03	06/20/11												6.58		0.526	16.72	
CB03	06/21/11												6.69		0.541	17.78	
CB03	06/22/11												6.4		0.55	16.75	
CB03	06/23/11												5.81		0.702	15.63	
CB03	06/24/11												4.12		0.48	13.79	
CB03	06/27/11												6.23		0.509	19.02	
CB03	06/28/11												6.45		0.493	15.07	
CB03	06/29/11												6.36		507	18.41	
CB03	06/29/11												6.36		0.507		
CB03	06/30/11												6.63		0.515	17.33	
CB03	07/01/11												6.73		572	15.82	
CB03	07/01/11												6.73		0.572		
CB03	07/05/11												6.08		0.538	19.88	
CB03	07/06/11												6.43		0.553	19.96	
CB03	07/07/11												6.26		0.585	18.09	
CB03	07/08/11												6.17		0.562	16.8	
CB03	07/11/11												5.99		0.594	19.95	
CB03	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB03	07/12/11												5.95		0.593		
CB03	07/12/11												5.95		593	21.17	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	07/13/11												5.9		592	19.73	
CB03	07/13/11												5.9		0.592		
CB03	07/14/11												6.21		0.638	19.33	
CB03	07/15/11												5.88		0.611	18.81	
CB03	07/18/11												6.04		0.677		
CB03	07/18/11												6.04		677	20.81	
CB03	07/19/11												5.74		0.658		
CB03	07/19/11												5.74		658	21.05	
CB03	07/20/11												5.57		0.731	17.88	
CB03	07/21/11												5.49		0.736	20.61	
CB03	07/22/11												5.24		0.751	26.3	
CB03	07/25/11												5.07		0.75	18.45	
CB03	07/25/11												6.86		0.804	19.13	
CB03	07/26/11												6.05		0.891	19.15	
CB03	07/27/11												6.01		0.87	18.63	
CB03	07/28/11												5.94		842	20.78	
CB03	07/28/11												5.94		0.842		
CB03	07/29/11												5.67		0.827	19.04	
CB03	08/01/11												5.84		0.758	22.13	
CB03	08/02/11												5.62		0.762	18.11	
CB03	08/03/11												5.54		0.763	17.42	
CB03	08/04/11												5.4		0.761	19.46	
CB03	08/05/11												5.41		0.768	19.5	
CB03	08/08/11												6.3		702	21.14	
CB03	08/08/11												6.3		0.702		
CB03	08/09/11												5.24		805	19.35	
CB03	08/09/11												5.24		0.805		
CB03	08/10/11												4.59		0.967	19.81	
CB03	08/11/11												5.21		0.936	16.38	
CB03	08/12/11												5.42		0.871	18.08	
CB03	08/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	08/15/11												3.74		0.671	17.81	
CB03	08/15/11												3.88		0.651	17.77	
CB03	08/16/11												4.5		0.681	16.78	
CB03	08/17/11												4.84		0.687	17.71	
CB03	08/18/11												5.7		0.637	16.39	
CB03	08/19/11												5.81		0.628	16.92	
CB03	08/22/11												6.3		0.41	16.3	
CB03	08/23/11												6.3		0.418	16.4	
CB03	08/24/11												6.24		0.427	18.7	
CB03	08/25/11												6.38		0.474	16.84	
CB03	08/26/11												6.3		0.518	18.64	
CB03	08/29/11												6.1		0.172	16.5	
CB03	08/30/11												6.61		0.078	16.66	
CB03	08/31/11												6.61		0.086	17.36	
CB03	09/01/11												6.73		0.091	14.55	
CB03	09/02/11												6.08		0.096	17.19	
CB03	09/06/11												5.79		0.124	16.16	
CB03	09/07/11	20	100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	09/07/11												5.78		0.114	15.58	
CB03	09/08/11												6.78		0.08		
CB03	09/08/11												6.78		80	13.86	
CB03	09/09/11												6.72		0.075	16.04	
CB03	09/12/11												6.27		0.079	16.32	
CB03	09/13/11												6.69		0.08	16.44	
CB03	09/14/11												6.91		0.338	15.36	
CB03	09/15/11												6.62		317	13.96	
CB03	09/15/11												6.62		0.317		
CB03	09/16/11												7.19		0.368	10.64	
CB03	09/19/11												6.62		0.359	13.43	
CB03	09/20/11												6.56		0.386	11.5	
CB03	09/21/11												6.73		0.401	13.62	
CB03	09/22/11												6.49		0.48	13.25	
CB03	09/23/11												6.74		0.403	16.31	
CB03	09/26/11												7.27		0.369	13.62	
CB03	09/27/11												6.71		0.357	16.93	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	09/28/11												6.81		0.375	21.47	
CB03	09/29/11												6.95		0.47	14.42	
CB03	09/30/11												6.99		0.316	14.19	
CB03	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	10/03/11												6.66		0.321	13.34	
CB03	10/04/11												6.92		0.288	12.11	
CB03	10/05/11												6.91		0.287	10.88	
CB03	10/06/11												7.07		0.269	9.07	
CB03	10/07/11												6.88		0.262	9.48	
CB03	10/10/11												6.79		0.283	14.42	
CB03	10/11/11												6.57		0.288	13.4	
CB03	10/12/11												6.89		0.3	11.48	
CB03	10/13/11												6.77		0.489	11.12	
CB03	10/14/11												6.69		0.49	12.76	
CB03	10/17/11												6.86		0.28	10.07	
CB03	10/18/11												7.03		0.262	10.38	
CB03	10/19/11												7.21		0.271	9.67	
CB03	10/20/11												7.21		0.351	10.84	
CB03	10/21/11												7.11		0.321	9.33	
CB03	10/24/11												7.11		0.292	9.16	
CB03	10/25/11												7.36		0.309	9.35	
CB03	10/26/11												7.21		0.306	6.77	
CB03	10/27/11												7.41		0.531	5.73	
CB03	10/28/11												7.91		0.423	5.04	
CB03	10/31/11												7.18		0.442	2.34	
CB03	11/01/11												7.52		0.415	6.01	
CB03	11/02/11												6.91		0.416	4.66	
CB03	11/03/11												7.71		0.363	5.61	
CB03	11/04/11												7.47		0.36	4.5	
CB03	11/07/11												7.44		0.355	2.04	
CB03	11/08/11												7.52		0.374	5.62	
CB03	11/09/11												7.03		0.38	8.16	
CB03	11/10/11												7.05		0.384	6.84	
CB03	11/11/11												7.08		0.408	5.99	
CB03	11/14/11												7.47		0.418	6.87	
CB03	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	11/15/11												7.14		0.479	8.73	
CB03	11/16/11												7.03		0.445	5.43	
CB03	11/17/11												7.06		0.484	6.43	
CB03	11/18/11												7.46		0.452	3.28	
CB03	11/28/11												8.07		0.435	3.93	
CB03	11/29/11												8.12		0.389	5.55	
CB03	11/30/11												6.77		0.38	6.87	
CB03	12/01/11												7.21		0.311	7.17	
CB03	12/02/11												7.35		0.295	1.88	
CB03	12/13/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	01/17/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	02/14/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	03/06/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	03/06/12												7.01		0.3	0.02	
CB03	03/22/12												6.79		0.201	11.24	
CB03	04/03/12												6.84		0.276	7.04	
CB03	04/04/12												6.88		0.271	3.75	
CB03	04/05/12												6.87		0.282	4.39	
CB03	04/06/12												6.77		0.491	2.85	
CB03	04/09/12												7.17		0.292	6.92	
CB03	04/10/12												7		387	7.1	
CB03	04/10/12												7		0.387		
CB03	04/11/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	04/11/12												6.97		0.347	8.03	
CB03	04/12/12												7.09		0.392	6.6	
CB03	04/13/12												7.01		0.355	4.9	
CB03	04/16/12												7.03		0.341	15.17	
CB03	04/17/12												6.85		0.329	13.88	
CB03	04/18/12												7		0.32	10.19	
CB03	04/19/12												6.98		0.325	7.69	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB03	04/20/12												6.97		0.344	14.2	
CB03	04/23/12												6.48		0.242	7.11	
CB03	04/23/12												6.52		0.208	7.81	
CB03	04/24/12												6.78		0.181	8.39	
CB03	04/26/12												6.88		0.204	7.16	
CB03	04/27/12												6.9		0.256	7.75	
CB03	04/30/12												6.95		0.219	10.15	
CB03	05/01/12												6.5		0.394	6.73	
CB03	05/02/12												6.87		0.271	7.55	
CB03	05/03/12												6.92		0.332	8.2	
CB03	05/07/12												7.04		0.243	13.89	
CB03	05/08/12												5.69		0.425	9.49	
CB03	05/09/12												6.81		0.24	9.53	
CB03	05/10/12												6.82		0.269	10.9	
CB03	05/11/12												6.97		0.222	10.06	
CB03	05/14/12												7		0.252	12.05	
CB03	05/15/12												6.88		0.357	12.11	
CB03	05/16/12												6.94		0.306	11.35	
CB03	05/17/12												7.31		0.274	10.65	
CB03	05/18/12												7.09		0.259	10.7	
CB03	05/21/12												6.99		0.26	17.78	
CB03	05/22/12												7.08		0.306	15.65	
CB03	05/23/12												7.08		0.353	14.58	
CB03	05/30/12												7.18		0.345	16.67	
CB03	06/04/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	06/05/12												7.19		0.32	13.36	
CB03	06/13/12												6.97		0.558	16.71	
CB03	06/19/12												7.05		0.393	19.38	
CB03	06/25/12												7.17		0.664	17.23	
CB03	07/03/12												6.62		0.494	18.06	
CB03	07/05/12												6.82		0.523	19.64	
CB03	07/10/12												6.33		0.453	17.22	
CB03	07/18/12												7.04		0.568		
CB03	07/25/12												5.91		0.706		
CB03	07/30/12												7.06		0.437		
CB03	08/06/12												7.22		0.72		
CB03	08/13/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB03	08/15/12												5.93		0.703		
CB03	08/16/12												6.3		0.518		
CB03	08/28/12												5.71		0.66		
CB03	09/04/12												5.84		0.703		
CB03	09/11/12												5.74		0.683		
CB03	09/14/12												6.52		0.505		
CB03	09/19/12												6.79		0.292		
CB03	10/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	12/04/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB03	02/12/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	03/25/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB03	10/22/13		1000 U	1000 U			1000 U	500 U	1000 U	500 U	1000 U			10 U			
CB03	12/03/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	01/04/05			620													
CB02	01/04/05			570													
CB02	02/28/05			500 U													
CB02	02/28/05			500 U													
CB02	04/04/05			1400													
CB02	04/04/05			1700													
CB02	06/06/05			2200									2.68			17.5	
CB02	06/06/05			610													
CB02	08/01/05			1200									2.73			20.5	
CB02	08/01/05			1100													
CB02	10/03/05			800									2.68			17	
CB02	10/03/05			910													
CB02	12/05/05			720									2.64			3	
CB02	12/05/05			840													
CB02	02/13/06			980									2.78			0	
CB02	02/13/06			950													

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB02	04/03/06			830									2.83			5.5	
CB02	08/07/06			460									2.57			23.5	
CB02	08/07/06			410													
CB02	10/16/06			530									2.66			8	
CB02	10/16/06			500													
CB02	04/09/07											12430	3.09		2.186	2.8	
CB02	05/10/07					17.8											
CB02	05/10/07				498.4							7490	2.66		2.031	17.74	1.01
CB02	06/11/07					7.27		20 U		30 U	30 U	4830	2.72		2.355	22.5	
CB02	06/11/07							20 U		30 U	30 U						
CB02	07/16/07					0.37						3700	2.54		0.03119	20.5	
CB02	09/07/07					0											
CB02	10/01/07					0.03											
CB02	10/02/07											2550	2.75		2.947	18	
CB02	10/25/07					8.73											
CB02	10/25/07				497.3							9980	2.62		3.302	10.13	16.2
CB02	12/03/07							20 U		30 U	30 U	8930	2.84		0.811	1.1	
CB02	12/03/07							20 U		30 U	30 U						
CB02	12/04/07					36.9											
CB02	01/23/08					29.91											
CB02	02/20/08					52.13											
CB02	03/11/08					127.09											
CB02	04/07/08							20 U		30 U	30 U	9900	2.84		2.203	6.4	
CB02	04/07/08							20 U		30 U	30 U						
CB02	05/20/08				503.9	11.54						7870	2.7		1.855	10.9	
CB02	06/19/08					1.5											
CB02	07/08/08				356.4	0.91						1040	2.45		2.527	14.59	
CB02	07/23/08											4250	2.66		2.562	18.1	
CB02	10/07/08											6690	2.74		2.44	13	
CB02	10/22/08					8.35											
CB02	10/23/08				512.6							11390	1.65		2.33	4.33	
CB02	11/17/08				508.3							14410	2.73		1.946	5.23	
CB02	11/19/08							20 U		30 U	30 U	8890	2.91		2	2.5	
CB02	12/08/08				498.9							13680	2.6		2.202	-0.04	
CB02	12/16/08											11200	2.9		0.791	1.6	
CB02	02/10/09				507.6							12370	2.79		2.423	0.6	
CB02	03/17/09				478.4			20 U		30 U	30 U	12100	2.89		2.209	6.8	
CB02	03/17/09							20 U		30 U	30 U						
CB02	04/08/09				466.7							14430	2.62		1.739	3.57	
CB02	04/09/09							20 U		30 U	30 U	8760	3.06		1.54	8.4	
CB02	04/09/09							20 U		30 U	30 U						
CB02	05/12/09							20 U		30 U	30 U	5800	2.88		1.747	16.1	
CB02	05/12/09							20 U		30 U	30 U						
CB02	05/14/09				507							9210	2.44		1.434	11.43	
CB02	06/09/09							20 U		30 U	30 U	7390	2.84		1.776	12.1	
CB02	06/09/09							20 U		30 U	30 U						
CB02	06/11/09				504.4							8350	2.6		1.465	18.16	
CB02	08/11/09											5490	3.09		1.444	21.4	
CB02	08/19/09				566.9							8000	2.67		1.63	19.12	
CB02	09/08/09											5540	2.82		1.986	18.3	
CB02	10/06/09				491.7							10040	2.52		1.48	12.11	
CB02	10/15/09											9550	2.99		1.34	6.3	
CB02	11/09/09							20 U		30 U	30 U	5750	3.1		0.646	8.5	
CB02	11/09/09							20 U		30 U	30 U						
CB02	12/07/09	250										12620	3.15		0.4579	3.5	
CB02	12/08/09				450.9							13530	2.94		1.12	3.59	
CB02	01/12/10							20 U		30 U	30 U	10710	3.1		0.609	1.8	
CB02	01/26/10							20 U		30 U	30 U	9260	3.72		0.711	3	
CB02	02/10/10							20 U		30 U	30 U	12720	3.24		0.46	1.6	
CB02	03/09/10							20 U		30 U	30 U	12630	3.46		0.891	3.8	
CB02	04/06/10											9960	3.78		0.4479	7.9	
CB02	04/07/10				511.2							10600	3.07		0.481	9.14	
CB02	05/04/10	92						20 U		30 U	30 U	9010	3.52		0.603	11.8	
CB02	05/04/10	94						20 U		30 U	30 U						
CB02	06/08/10							20 U		30 U	30 U	7790	3.02		1.308	15.8	
CB02	06/08/10							20 U		30 U	30 U						

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB02	06/09/10				536.8							9350	2.93		1.405	14.09	
CB02	08/17/10							20 U		30 U	30 U	6630	5.06		0.918	21.1	
CB02	08/17/10							20 U		30 U	30 U						
CB02	08/19/10				337.8							8370	4.77		0.927	19	
CB02	09/08/10	36						20 U		30 U	30 U	6400	4.7		1.153	19	
CB02	10/05/10							20 U		30 U	30 U	8950	5.69		0.509	13.4	
CB02	10/07/10				277.1							6900	5.42		0.804	12.1	
CB02	11/03/10							20 U		30 U	30 U	7340	5.72		0.3386	6.7	
CB02	12/07/10				-227.5			20 U		30 U	30 U	15560	5.94		0.224	2.52	
CB02	01/18/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB02	02/07/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB02	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB02	04/05/11		5000 U	5000 U			5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
CB02	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB02	06/07/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB02	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB02	08/16/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	09/07/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	10/03/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	12/13/11		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB02	04/11/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB02	06/04/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB02	08/13/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U						
CB02	10/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	12/03/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB02	03/25/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB02	10/22/13		2000 U	2000 U			2000 U	1000 U	2000 U	1000 U	2000 U			10 U			
CB02	12/02/13		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB01	01/04/05			600													
CB01	02/28/05			500 U													
CB01	04/04/05			2400													
CB01	06/06/05			690									2.6			15	
CB01	08/01/05			890									2.65			16	
CB01	10/03/05			540									2.5			13	
CB01	12/05/05			800									2.45			2.5	
CB01	02/13/06			720									2.4			0	
CB01	04/03/06												2.78			3.5	
CB01	08/07/06			380									2.58			20	
CB01	10/16/06			320									2.63			7.5	
CB01	04/09/07											11300	3.04		1.355	2.7	
CB01	05/10/07					5.48											
CB01	05/10/07				484.5							9630	2.47		2.994	14.06	1.39
CB01	06/11/07					4.13		20 U		30 U	30 U	4790	2.7		1.46	23.5	
CB01	07/16/07					0.82						6650	2.59		0.03822	15.7	
CB01	09/07/07					0											
CB01	10/02/07											7890	2.63		3.717	12.7	
CB01	10/25/07					3.32											
CB01	10/25/07				416							10540	2.55		3.731	9.86	1.5
CB01	12/03/07							20 U		30 U	30 U	9520	2.82		2.224	2.1	
CB01	01/23/08					17.74											
CB01	04/07/08							20 U		30 U	30 U	8720	2.75		2.91	6.8	
CB01	05/20/08				505.8	7.67						11110	2.5		2.432	7.74	
CB01	06/19/08					1.45											
CB01	07/08/08				537.5	1.39						8970	2.25		2.847	18.2	
CB01	07/23/08											5790	2.51		3.249	17.3	
CB01	08/07/08				315.7							8250	2.54		2.542	20.18	
CB01	09/11/08				527.9	2.11						10580	2.45		3.349	9.41	
CB01	10/07/08											7800	2.63		3.606	10.4	
CB01	10/22/08					0.67											
CB01	10/23/08				521.9							5060	1.8		4.813	9.91	
CB01	11/17/08				502.6							15010	2.69		2.231	5.28	
CB01	12/08/08				504.8	13.01						14620	2.54		3.482	0.41	
CB01	12/16/08											11400	2.81		0.976	1.5	
CB01	02/10/09				553.7							14800	2.65		2.955	0.71	
CB01	03/17/09				462.6	66.5						13480	2.55		3.06	3.7	

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
	Cleanup Level																
CB01	04/08/09				461							14980	2.5		1.985	3.3	
CB01	04/09/09							20 U		30 U	30 U	9380	3		1.902	6.4	
CB01	05/14/09				507	10.04						10830	2.47		2.244	10.04	
CB01	06/11/09				507.3	12.25						10130	2.49		1.691	15.13	
CB01	07/21/09					19.37											
CB01	07/22/09				505							9040	2.32		2.163	16.69	
CB01	07/28/09							20 U		30 U	30 U	6900	2.77		1.954	19.8	
CB01	07/28/09							20 U		30 U	30 U						
CB01	08/19/09				518.3	7.24						8460	2.4		2.438	20.59	
CB01	09/09/09				533.5	3.2						9550	2.42		2.232	15.37	
CB01	10/06/09				504.8	7.45						10340	2.34		1.932	11.91	
CB01	10/15/09											10240	2.74		2.183	5.9	
CB01	11/09/09				492.8	14.28		20 U		30 U	30 U	10800	2.79		2.711	9.7	
CB01	12/07/09											12920	2.76		2.196	3.2	
CB01	12/08/09				444.9							14190	2.6		2.295	2.44	
CB01	01/12/10							20 U		30 U	30 U	10140	2.78		2.534	2.7	
CB01	01/25/10												2.99		2.135		
CB01	01/25/10												4.14		1.763		
CB01	01/25/10												5.16		1.64		
CB01	01/25/10												4.99		1.166		
CB01	01/25/10												5.06		1.101		
CB01	01/26/10							20 U		30 U	30 U	10330	3.24		1.473	2.1	
CB01	01/27/10												2.5		1.33		
CB01	01/28/10												2.74		1.402		
CB01	01/28/10												2.88		1.436		
CB01	01/29/10												2.99		1.456		
CB01	01/29/10												2.8		1.449		
CB01	02/03/10												2.48		1.854		
CB01	02/10/10							20 U		30 U	30 U	10220	2.78		1.293	1.5	
CB01	03/09/10							20 U		30 U	30 U	13270	3.04		2.029	2.6	
CB01	03/17/10												2.71		1.356		
CB01	03/17/10												3.11		0.566		
CB01	03/18/10												2.64		0.601		
CB01	03/18/10												2.39		0.6		
CB01	03/22/10												2.06		0.927		
CB01	03/23/10												3.23		1.429		
CB01	03/25/10												2.79		0.789		
CB01	03/29/10												2.93		1.329		
CB01	03/30/10												2.71		1.709		
CB01	03/31/10												2.71		1.366		
CB01	04/06/10											8920	3.13		1.189	8.7	
CB01	04/07/10				535.9							9610	2.68		1.094	12.62	
CB01	04/19/10												2.96		1.266		
CB01	04/20/10												2.82		1.329		
CB01	04/20/10												2.84		1.168		
CB01	04/21/10												2.98		1.077		
CB01	04/22/10												2.97		0.938		
CB01	04/22/10												3.05		0.844		
CB01	04/23/10												2.9		0.978		
CB01	04/26/10												2.7		1.005		
CB01	04/27/10												2.91		1.292		
CB01	04/27/10												4.12		1.828		
CB01	04/28/10												2.92		1.45		
CB01	05/03/10												2.71		1.527		
CB01	05/04/10	380						20 U		30 U	30 U	8260	2.7		1.149	12.1	
CB01	05/06/10												2.78		1.608		
CB01	05/10/10												2.8		1.072		
CB01	05/10/10												2.83		1.137		
CB01	05/11/10												2.84		1.005		
CB01	05/12/10												2.79		1.097		
CB01	05/13/10												2.68		0.921		
CB01	05/13/10												2.77		1.603		
CB01	05/17/10												2.64		1.046		
CB01	05/19/10												3.3		1.732		
CB01	05/24/10												2.57		1.885		
CB01	05/25/10												2.58		1.533		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB01	05/26/10												2.57		2.079		
CB01	05/27/10												2.57		1.907		
CB01	06/01/10												2.83		1.207		
CB01	06/02/10												2.55		2.156		
CB01	06/02/10												2.71		1.886		
CB01	06/03/10												2.53		2.224		
CB01	06/04/10												2.66		2.228		
CB01	06/07/10												2.79		1.928		
CB01	06/08/10					3.54		20 U		30 U	30 U	7210	2.74		2.002	13.4	
CB01	06/09/10				535							7790	2.57		2.316	11.36	
CB01	06/10/10												2.75		2.251		
CB01	06/15/10												2.74		1.986		
CB01	06/16/10												2.57		2.285		
CB01	06/18/10												2.75		2.251		
CB01	06/21/10												2.57		2.464		
CB01	06/22/10												2.45		2.518		
CB01	06/23/10												3.67		0.918		
CB01	06/24/10												3.26		2.25		
CB01	06/25/10												2.69		2.052		
CB01	06/27/10												4.06		1.139		
CB01	06/28/10												2.96		1.077		
CB01	07/01/10												2.82		1.613		
CB01	07/02/10												2.97		1.011		
CB01	07/06/10												2.47		1.406		
CB01	07/08/10												2.34		2.189		
CB01	07/13/10												2.58		2.439		
CB01	07/14/10												3.14		1.717		
CB01	07/15/10												2.57		2.353		
CB01	07/19/10												2.56		2.473		
CB01	07/20/10												2.55		2.509		
CB01	07/21/10												3.24		2.068		
CB01	07/22/10												2.72		2.23		
CB01	07/23/10												3.15		2.206		
CB01	07/26/10												2.86		2.059		
CB01	07/27/10												2.74		2.16		
CB01	07/28/10												2.64		2.232		
CB01	07/29/10												2.91		1.94		
CB01	07/30/10												2.79		2.128		
CB01	08/02/10												2.71		2.248		
CB01	08/03/10												2.63		2.405		
CB01	08/04/10												3.38		0.932		
CB01	08/05/10												2.92		1.995		
CB01	08/10/10												4.44		1.738		
CB01	08/11/10												4.26		1.724		
CB01	08/12/10												4.04		1.685		
CB01	08/16/10												5.27		1.556		
CB01	08/17/10							20 U		30 U	30 U	8080	4.96		1.492	19.4	
CB01	08/19/10												4.29		1.252		
CB01	08/19/10												4.02		1.175		
CB01	08/20/10												3.82		1.166		
CB01	08/23/10												4.6		1.498		
CB01	08/23/10												4.95		1.5		
CB01	08/23/10												4.12		0.876		
CB01	08/24/10												6.25		0.999		
CB01	08/25/10												5.16		1.231		
CB01	08/26/10												4.5		1.369		
CB01	08/30/10												4.83		1.245		
CB01	08/31/10												4.68		1.263		
CB01	09/01/10												5.13		1.004		
CB01	09/02/10												4.82		1.276		
CB01	09/03/10												4.98		1.23		
CB01	09/07/10												4.94		0.998		
CB01	09/08/10	36						20 U		30 U	30 U	6800	5.53		1.352	19.1	
CB01	09/09/10												5.32		1.286		
CB01	09/10/10												4.63		1.329		
CB01	09/14/10												4.75		1.295		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB01	09/15/10												4.88		1.288		
CB01	09/16/10												4.82		1.298		
CB01	09/17/10												5.04		1.551		
CB01	09/20/10												4.6		1.516		
CB01	09/21/10												4.59		1.44		
CB01	09/22/10												4.57		1.363		
CB01	09/27/10												4.4		1.487		
CB01	09/28/10												3.77		1.505		
CB01	09/29/10												4.3		1.561		
CB01	09/30/10												4.75		0.759		
CB01	10/01/10												4.43		0.672		
CB01	10/04/10												4.62		0.923		
CB01	10/05/10							20 U		30 U	30 U	7860	4.84		1.147	14.6	
CB01	10/06/10												5.7		1.103		
CB01	10/07/10				327							10510	5.29		1.326	11.58	
CB01	10/11/10												5.07		0.926		
CB01	10/12/10												5.13		0.817		
CB01	10/13/10												4.75		0.635		
CB01	10/14/10												4.86		0.872		
CB01	10/15/10												4.96		0.596		
CB01	10/18/10												5.07		0.628		
CB01	10/19/10												6.24		1.212		
CB01	10/20/10												5.13		0.67		
CB01	10/21/10												5.38		0.686		
CB01	10/22/10												5.28		0.817		
CB01	10/25/10												5.01		0.633		
CB01	10/26/10												4.94		0.965		
CB01	10/28/10												4.94		0.749		
CB01	10/29/10												4.96		0.732		
CB01	11/01/10												5.2		0.694		
CB01	11/02/10												5.19		0.705		
CB01	11/03/10							20 U		30 U	30 U	7320	5.44		0.683	5.5	
CB01	11/04/10												5.92		0.79		
CB01	11/05/10												5.15		0.733		
CB01	11/08/10												5.06		0.671		
CB01	11/09/10												4.88		0.29		
CB01	11/10/10												4.55		0.5		
CB01	11/11/10												5.13		0.615		
CB01	11/12/10												5.12		0.66		
CB01	11/15/10												5.72		0.71		
CB01	11/17/10												4.51		0.685		
CB01	11/18/10												4.64		0.765		
CB01	11/19/10												5.75		0.694		
CB01	11/22/10												4.9		0.638		
CB01	11/29/10												5.2		0.948		
CB01	11/30/10												5.02		0.985		
CB01	12/01/10												4.75		0.813		
CB01	12/02/10												4.73		0.678		
CB01	12/03/10												4.95		0.643		
CB01	12/06/10												5.45		0.547		
CB01	12/07/10				-259.6			20 U		30 U	30 U	13410	5.79		0.3174	3.22	
CB01	12/08/10												5.5		0.555		
CB01	12/13/10												5.39		0.681		
CB01	01/18/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB01	01/20/11												6.05		0.49		
CB01	02/07/11		10000 U	10000 U			10000 U	2000 U	10000 U	2000 U	10000 U			30 U			
CB01	02/09/11												6.16		0.147		
CB01	03/08/11												5.46		0.349		
CB01	03/14/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB01	03/17/11												5.9		0.379		
CB01	03/24/11												5.8		0.579		
CB01	03/30/11												6.3		0.953		
CB01	04/05/11		25000 U	25000 U			25000 U	5000 U	25000 U	5000 U	25000 U			30 U			
CB01	04/08/11												5.04		0.905		
CB01	04/11/11												4.61		0.267		
CB01	04/14/11												4.99		0.237		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB01	04/21/11												5.29		0.408		
CB01	04/27/11												5.3		0.401		
CB01	04/29/11												5.71		0.432		
CB01	05/04/11												5.42		0.559		
CB01	05/10/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB01	05/12/11												6.19		0.862		
CB01	05/16/11												5.66		0.885		
CB01	05/17/11												6.09		0.792		
CB01	05/18/11												6.52		0.72		
CB01	05/19/11												5.31		0.75		
CB01	05/23/11												6.71		0.688		
CB01	05/31/11												5.55		0.847		
CB01	06/06/11												5.74		1.134		
CB01	06/07/11		500 U	500 U			500 U	100 U	500 U	100 U	500 U			30 U			
CB01	06/13/11												6.29		1.231		
CB01	06/20/11												4.72		1.122		
CB01	06/23/11												5.67		1.071		
CB01	06/27/11												5.37		1.05		
CB01	07/06/11												4.53		1.107		
CB01	07/11/11												4.98		1.095		
CB01	07/12/11		100 U	100 U			100 U	50 U	100 U	50 U							
CB01	07/14/11												4.87		1.04		
CB01	07/19/11												4.64		1.205		
CB01	07/28/11												4.53		1.224		
CB01	08/02/11												4.24		1.072		
CB01	08/08/11												4.23		0.89		
CB01	08/10/11												4.12		1.101		
CB01	08/11/11												4.99		1.349		
CB01	08/15/11												3.66		0.681		
CB01	08/16/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	08/16/11												4.39		0.893		
CB01	08/22/11												4.46		0.838		
CB01	08/29/11												4.4		0.488		
CB01	09/06/11												4.59		0.716		
CB01	09/07/11	73	100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	09/12/11												5.1		0.468		
CB01	09/19/11												4.85		0.648		
CB01	09/28/11												4.7		0.732		
CB01	10/03/11		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB01	10/03/11												4.83		0.943		
CB01	10/10/11												5.14		0.478		
CB01	10/13/11												5.64		0.728		
CB01	10/17/11												5.43		0.586		
CB01	10/24/11												5.98		0.578		
CB01	10/31/11												6.01		1.023		
CB01	11/07/11												6.32		0.722		
CB01	11/14/11												6.21		0.812		
CB01	11/15/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	11/28/11												5.49		0.723		
CB01	12/13/11		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	03/06/12												6.09		1.003		
CB01	03/22/12												4.8		0.406		
CB01	04/04/12												5.63		0.495		
CB01	04/06/12												5.7		0.548		
CB01	04/10/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	04/12/12												6.38		0.778		
CB01	04/18/12												5.54		0.717		
CB01	04/30/12												5.2		0.382		
CB01	05/10/12												5.44		0.463		
CB01	05/14/12												5.98		0.434		
CB01	05/30/12												5.91		6.67		
CB01	06/04/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	06/05/12												5.66		0.523		
CB01	06/13/12												5.49		0.67		
CB01	06/19/12												5.03		0.685		
CB01	06/28/12												5.6		0.888		

Table 7: Copperas Brook Surface Water Monitoring Data - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Acidity as CaCO3	Bromide	Chloride	Eh	Flow Rate	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Sp. Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		MG CaCO3/L	UG/L	UG/L	MV	GPM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	Std. Units	UG/L	MS/CM	DEG C	NTU
Cleanup Level																	
CB01	07/03/12												5.95		0.856		
CB01	07/13/12												4.45		0.789		
CB01	07/18/12												5.6		0.699		
CB01	07/25/12												4.74		0.727		
CB01	07/30/12												5.29		0.778		
CB01	08/13/12		100 U	100 U			100 U	50 U	100 U	50 U	100 U						
CB01	08/15/12												4.51		0.682		
CB01	08/28/12												4.75		0.582		
CB01	09/06/12												4.19		0.932		
CB01	09/14/12												4.08		0.854		
CB01	09/19/12												4.42		0.7		
CB01	10/09/12		500 U	100 U			100 U	100 U	100 U	100 U	100 U			10 U			
CB01	12/03/12		10000 U	10000 U			10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
CB01	03/25/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			
CB01	10/22/13		1000 U	1000 U			1000 U	500 U	1000 U	500 U	1000 U			10 U			
CB01	12/02/13		100 U	100 U			100 U	50 U	100 U	50 U	100 U			10 U			

Notes:

T = total mass concentration
Deg C = degrees centigrade
J = Estimated value
U/UG = Not detected above listed value
µg/L - milligrams per liter

MV = millivolts
GPM = gallons per minute
ms/cm = milli Seimens per centermeter
NTU = Nephelos Turbidity Unit

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
WB-10	01/04/05	200 UJ	174	5.2 UJ	60 U	10 U	10 U	15.7	16	5 U	5 U	5 U	5 U	35300	36800	10 U	10 U	50 U	50 U
WB-10	02/28/05	19.6 U	201	60 U	60 U	10 U	10 U	19	20.4	5 U	5 U	5 U	5 U	44700	46300	10 U	10 U	50 U	50 U
WB-10	04/04/05	228	3250	60 UJ	60 U	10 U	10 UJ	22.3	22.8	5 U	0.077 U	5 U	2.8	449000	30000	2.4 UJ	6	15.1	46.8
WB-10	06/06/05	36.7 UJ	108 UJ	60 U	60 U	10 UJ	10 U	18.3	20.3	5 U	5 U	5 U	5 U	38200	41200	10 U	10 U	50 U	50 U
WB-10	08/01/05	66.4 U	76.4 U	60 U	60 U	10 UJ	5.3 UJ	26.8	25	5 U	5 U	5 UJ	5 U	52300	48700	10 U	10 U	50 U	50 U
WB-10	10/03/05	54.6 U	70.9	60 U	60 U	10 U	10 U	23.6	24	5 U	5 U	5 U	5 U	49800	51300	10 U	10 U	0.95 UJ	50 U
WB-10	12/05/05	15.2 UJ	122 J	60 UJ	6.9 UJ	10 UJ	10 UJ	14.6 J	15.7 J	5 UJ	0.041 UJ	5 UJ	5 UJ	33800 J	33500 J	10 UJ	10 UJ	2.6 J	50 UJ
WB-10	02/13/06	23.6	74.4	60 U	60 U	10 UJ	10 UJ	12.7	12.9	5 U	5 U	5 U	5 U	31900	32000	10 U	10 U	50 U	50 U
WB-10	04/03/06	200 U	174	60 U	60 U	10 U	10 U	13.7	15	5 U	5 U	5 U	5 U	30100	30100	10 U	10 U	50 U	50 U
WB-10	08/07/06	39 U	107	60 U	60 U	10 U	10 U	22.8	24.2	5 U	5 U	5 U	5 U	42100	43900	10 U	10 U	50 U	50 U
WB-10	10/16/06	28.9	46.5	60 U	60 U	10 U	10 U	20.9	21.3	5 UJ	5 UJ	5 U	5 U	44300	44900	10 U	10 U	50 U	50 U
WB-10	04/09/07	46.6 U	187 U	60 U	60 U	10 U	10 U	12.6	13.1	5 UJ	5 UJ	5 U	5 U	30500	29700	10 U	10 U	50 U	50 U
WB-10	07/16/07	30.3	65.2	60 U	60 U	10 UJ	10 UJ	20.8	20.1	0.33 U	5 U	5 U	5 U	42900	42300	10 U	10 U	2.4	50 U
WB-10	10/02/07	36 J	48.2	60 U	60 U	10 U	10 U	25.1	25	5 U	5 U	5 U	5 U	50000	49800	10 U	10 U	50 UJ	50 UJ
WB-10	12/04/07	200 UJ	70.1 U	60 U	60 U	10 U	10 UJ	12.4	15.3	5 U	5 U	5 UJ	5 U	31700	34500	10 U	10 U	50 UJ	50 U
WB-10	04/07/08	200 U	393	60 U	60 U	10 U	10 U	11.3	14.2	5 U	5 U	5 U	5 U	28400	29400	10 U	10 U	50 U	50 U
WB-10	07/23/08	32.7 UJ	103 U	60 U	60 U	10 U	10 U	21.4	21.4	5 U	5 U	5 U	5 U	41500	41200	0.44 UJ	10 U	50 U	50 U
WB-10	10/06/08	200 U	200 U	60 U	60 U	10 U	10 U	19.4	20.3	5 U	5 U	5 UJ	5 UJ	44400	44200	10 U	10 U	50 U	50 U
WB-10	11/19/08		110 U		10 U		20 U		20 U		8 U		10 U		35000		20 U		20 U
WB-10	12/15/08	200 UJ	449	60 U	60 U	10 U	10 U	13.4 J	17.6 J	5 UJ	5 UJ	5 U	5 U	30800	29900	10 U	10 U	50 U	50 U
WB-10	02/10/09		140		20 U		20 U		20 U		8 U		10 U		36000		20 U		20 U
WB-10	03/17/09		170		20 U		20 U		20 U		8 U		10 U		33000		20 U		20 U
WB-10	04/08/09	200 UJ	193 J	60 U	60 U	10 U	10 U	11.1 J	16 J	5 U	5 U	5 U	5 U	24200	25100	10 U	10 U	6.6 J	50 U
WB-10	05/12/09		290		20 U		20 U		20 U		8 U		10 U		33000		20 U		20 U
WB-10	06/09/09		740		20 U		20 U		23		8 U		10 U		36000		20 U		20 U
WB-10	07/27/09	200 UJ	5810	60 U	60 U	10 U	10 U	17.3 J	63.4 J	5 U	5 U	5 U	5 U	35100	37200	10 U	10.1	3.4 J	4 J
WB-10	08/11/09		370		20 U		20 U		23		8 U		10 U		37000		20 U		20 U
WB-10	09/08/09		110 U		20 U		20 U		24		8 U		10 U		46000		20 U		20 U
WB-10	10/14/09	200 U	200 U	60 U	60 U	10 U	10 U	20.4 J	20.5 J	5 U	5 U	5 U	5 U	43500	43500	10 U	10 U	50 U	50 U
WB-10	11/10/09		110 U		20 U		20 U		20 U		8 U		10 U		41000		20 U		20 U
WB-10	12/08/09	200 U	80.6 J	60 U	60 U	10 U	10 U	16 J	16.8 J	5 U	5 U	5 U	5 U	36400	36100	10 U	10 U	1.2 J	50 U
WB-10	03/09/10		120		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-10	04/05/10	30.8 J	181 J	60 U	60 U	10 U	10 U	16.4 J	16.4 J	5 U	5 U	5 U	5 U	33100	28800	10 U	10 U	0.99 J	0.34 J
WB-10	05/04/10		200 U		100 U		400 U		30 U		10 U		30 U		36000		30 U		30 U
WB-10	06/07/10	220 U	200 U	110 U	100 U	450 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	39000	40000	34 U	30 U	34 U	30 U
WB-10	08/16/10	120 U	160	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	41000	42000	22 U	20 U	22 U	20 U
WB-10	09/08/10		110 U		20 U		20 U		26		8 U		10 U		49000		20 U		20 U
WB-10	10/04/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	39000	41000	22 U	20 U	22 U	20 U
WB-10	11/03/10		110 U		20 U		20 U		20 U		8 U		10 U		35000		20 U		20 U
WB-10	12/06/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	33000	22 U	20 U	22 U	20 U
WB-11	01/04/05	200 UJ	2110	60 U	60 U	10 U	10 U	14.1	14.6	5 U	5 U	1.8	1.5	55500	59100	10 U	2.7 J	33.1	34
WB-11	02/28/05	4.8 UJ	927	60 U	60 U	10 U	10 U	17.7	19.3	5 U	5 U	5 U	5 U	67200	70200	10 U	10 U	12.4	13.1
WB-11	04/04/05	19.4 UJ	1650	60 UJ	60 U	10 U	10 UJ	10.6	23.3	5 U	0.044 UJ	5 U	5 U	24600	24700	10 U	2.7	0.94 J	1.3 J
WB-11	06/06/05	50.1 UJ	2570	60 UJ	60 UJ	10 UJ	10 U	17.2	17.3	5 U	0.06 UJ	3 J	3 J	91900	97000	10 U	3.2 UJ	49.1	50.7
WB-11	08/01/05	200 U	412	60 U	60 UJ	10 UJ	10 U	25.7	22.9	5 U	5 U	1 J	5 U	93600	88100	10 U	10 U	7.4	6
WB-11	10/03/05	200 U	759	60 UJ	60 U	10 U	10 U	18.9	19.2	5 U	5 U	0.9 UJ	5 U	123000	126000	10 U	10 U	11.9	10.7
WB-11	12/05/05	647 J	3120 J	60 UJ	5.5 UJ	5.6 UJ	10 UJ	13.3 J	13.9 J	0.077 UJ	0.15 UJ	3.1 J	3.3 J	48200 J	49400 J	10 UJ	5.5 J	56.6 J	58.1 J
WB-11	02/13/06	2150	4430	60 U	60 U	10 UJ	10 UJ	11.6	12.5	0.098 UJ	0.13 UJ	4.2	4	76600	76000	10 U	6.1 UJ	79.5	77.6
WB-11	04/03/06	70.1	1980	60 U	60 U	10 U	10 U	13.8	15.8	0.044 UJ	0.056 UJ	2.1	1.7	52000	50100	10 U	1.6	34.7	29.7
WB-11	08/07/06	33.1 U	1720	60 U	60 U	10 U	10 U	22.1	22.5	5 U	5 U	0.72	0.61 J	71900	69200	10 U	10 U	32.8	29.5
WB-11	10/16/06	200 U	1080	60 U	60 U	10 U	10 U	20.3	20.9	5 UJ	5 UJ	0.34 J	0.44 UJ	72500	72700	10 U	10 U	19.6	18.1
WB-11	04/09/07	346	2460	60 U	60 U	10 U	10 U	10.4	11.7	5 UJ	5 UJ	2.1	2.1	49300	47000	10 U	2.9	54.7	49.5
WB-11	07/16/07	16 J	445	60 U	60 U	10 UJ	10 UJ	17.6	17.4	0.33 UJ	0.34 UJ	0.48 UJ	0.39 UJ	87200	75800	10 U	10 U	8.5	6.2
WB-11	10/02/07	200 U	1350	60 U	60 U	10 U	10 U	25.5	26.4	5 U	5 U	1.8 UJ	1.5 UJ	128000	131000	10 UJ	10 UJ	24.4	23.9
WB-11	12/04/07	286	2180	60 U	60 U	4.7 UJ	5 UJ	11.3	12	5 U	5 U	2.1 J	2.3 J	61200	63000	10 U	1.7 UJ	38.5	38.6
WB-11	04/07/08	3380	4720	60 U	60 U	10 U	10 U	11.1	14.1	0.062 J	0.11	5.7	5.8	44800	44800	0.59 J	8.7	91.7	91.5
WB-11	05/20/08		325		60 U		10 U		17.5		5 U		5 U		41200		10 U		5.4
WB-11	06/10/08		620		20 U		20 U		22		8 U		10 U		74000		20 U		20 U
WB-11	07/23/08	200 U	819	60 U	60 U	10 U	10 U	20.1	22.2	5 U	5 U	5 U	5 U	85400	83000	10 U	10 U	15.5	15.8
WB-11	08/18/08		1200		20 U		20 U		21		8 U		10 U		64000		20 U		23
WB-11	09/09/08		4900		20 U		20 U		21		8 U		10 U		87000		20 U		49
WB-11	10/06/08	200 U	1190	60 U	60 U	10 U	10 U	18.2	18.9	5 U	5 U	0.97 J	0.94 J	133000	126000	10 UJ	10 UJ	22.1	20.5
WB-11	11/19/08		2700		10 U		20 U		20 U		8 U		10 U		60000		20 U		49
WB-11	12/15/08	273	2030	60 U	60 U	10 U	10 U	13.1 J	17.4 J	5 UJ	5 UJ	1.8 J	1.5 J	46000	42300	10 U	4.1 J	31.1 J	25.7 J
WB-11	02/10/09		1000		20 U		20 U		20 U		8 U		10 U		73000		20 U		20 U
WB-11	03/17/09		6300		20 U		20 U		20 U		8 U		10 U		65000		20 U		130
WB-11	04/08/09	31.2 J	1570	60 U	60 U	10 U	10 U	11.6 J	15.7 J	5 U	5 U	1.9 J	2 J	31100	32000	10 U	3 J	33 J	29.4 J

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
WB-10	01/04/05	26.9 U	25 U	58.9 U	231	10 U	10 UJ	1590	1740	14.3	28	0.2 U	0.2 U			40 U	40 U	1800	1800
WB-10	02/28/05	25 U	25 U	155	343	10 UJ	10 U	2030	2170	15.9	34.2	0.2 UJ	0.2 U			40 U	40 U	1680	2030 J
WB-10	04/04/05	14.8 UJ	1500	121000	14400	R	6.5 J	71200	4440	5070	341	0.2 UJ	0.2 UJ			5.1 UJ	12.7	36600	2510
WB-10	06/06/05	25 U	1.6 J	81.5 U	189 U	10 UJ	R	1660	1830	18.4	25.7	0.2 U	0.2 U			40 U	40 U	1910	2030
WB-10	08/01/05	2 UJ	1.8 UJ	89.8 U	223	10 U	4.5 UJ	2440	2300	30	35.3	0.2 U	0.2 U			0.81 UJ	40 U	2690	2520 J
WB-10	10/03/05	25 U	1.5 UJ	44.3 U	137	R	R	2330	2430	25.1	27.4	0.2 UJ	0.2 U			40 U	40 U	3260	2920
WB-10	12/05/05	25 UJ	1.8 J	52.9 J	167 J	10 UJ	10 UJ	1530 J	1590 J	16.4 J	21.5 J	0.2 UJ	0.2 UJ			40 UJ	40 UJ	1600 J	1610 J
WB-10	02/13/06	25 U	25 U	46	121	10 U	10 U	1440	1460	10.6	14.6	0.2 U	0.2 U			40 U	40 U	1510	1530
WB-10	04/03/06	25 U	25 U	26.1	204	10 U	10 U	1360	1400	11.3	23.6	0.2 UJ	0.2 UJ			40 U	40 U	1390	1440
WB-10	08/07/06	25 U	25 U	26.7 UJ	138 J	10 U	10 U	1810	1890	19.9	31.8	0.2 U	0.036 J			40 U	40 U	2270	2430
WB-10	10/16/06	25 U	25 U	85.3	51.9	10 UJ	10 UJ	1980	2010	25.4	24.2	0.2 U	0.2 U			40 U	40 U	2340	2330
WB-10	04/09/07	25 UJ	25 UJ	28.5 J	208	10 UJ	10 U	1300	1310	10.1	23.1	0.2 U	0.2 U			40 U	40 U	1340	1390
WB-10	07/16/07	25 UJ	25 UJ	100 U	57.6	10 U	10 U	1790	1750	23.6	24.5	0.2 U	0.2 U			40 U	0.82 J	2160	2140
WB-10	10/02/07	25 UJ	25 UJ	17.6 U	38.7 UJ	10 U	10 U	2280	2310	19.1 J	20.7 J	0.2 U	0.2 U			40 U	40 U	2770	2710
WB-10	12/04/07	25 U	3	28.9 UJ	745	4.5 J	R	1400	1680	12.4	32.9	0.2 U	0.2 U			40 U	40 U	1550 J	1770
WB-10	04/07/08	25 U	0.77 J	64.2	460	10 U	10 U	1300	1510	12.4	40.1	0.2 U	0.2 U			40 U	0.83 J	1360	1450
WB-10	07/23/08	1.3 UJ	1.4 UJ	53.2 J	166 J	10 U	10 U	1670	1650	13.7	37.9	0.068 J	0.047 J			40 U	40 U	1900	1900
WB-10	10/06/08	0.92 UJ	0.87 UJ	17.4 U	24 U	10 UJ	10 UJ	1970	1950	17.1	20.3					40 U	40 U	2400	2390
WB-10	11/19/08		20 U		92		20 U		1600		21						20 U		1600
WB-10	12/15/08	0.95 J	0.93 J	68.9 J	535	10 U	10 U	1420 J	1620 J	11.1 J	55.2 J					40 U	40 U	1380 J	1390 J
WB-10	02/10/09		20 U		130		20 U		1700		21						20 U		
WB-10	03/17/09		20 U		200		20 U		1600		23						20 U		1600
WB-10	04/08/09	2.4 J	0.77 J	177	429	10 U	10 U	1150 J	1310 J	23.3	54.1					40 U	40 U	1130 J	1260 J
WB-10	05/12/09		20 U		310		20 U		1500		41						20 U		1500
WB-10	06/09/09		20 U		830		20 U		1800		97						20 U		1700
WB-10	07/27/09	1.2 J	13.2 J	14.6 J	7960	10 U	9.1 J	1450 J	3980 J	16.6	696					40 U	10.5 J	2010 J	2830 J
WB-10	08/11/09		40 U		430		20 U		1700		54						20 U		
WB-10	09/08/09		20 U		90		20 U		2100		24						20 U		
WB-10	10/14/09	25 U	25 U	100 U	100 U	10 U	10 U	2030 J	2050 J	21.7	22.9					40 U	40 U	2440 J	2440 J
WB-10	11/10/09		40 U		83		20 U		1800		20 U						20 U		2100
WB-10	12/08/09	25 U	1.1 J	22.6 J	138	10 U	10 U	1670 J	1740 J	17.4	20.8					40 U	40 U	1700 J	1650 J
WB-10	03/09/10		40 U		140		20 U		1600		20						20 U		1700
WB-10	04/05/10	25 U	25 U	362	643	10 U	10 U	1650 J	1570 J	20.4	27.1					40 U	40 U	1690 J	1540 J
WB-10	05/04/10		30 U		120		100 U		1500		21						60 U		5000 U
WB-10	06/07/10	34 U	30 U	110 U	100 U	110 U	200 U	1600	1600	22 U	24					130 U	60 U	5600 U	5000 U
WB-10	08/16/10	22 U	20 U	45 U	180	22 U	20 U	1800	1900	22 U	35					22 U	20 U	2200	2300
WB-10	09/08/10		20 U		63		40 U		2400		24						20 U		2800
WB-10	10/04/10	22 U	20 U	45 U	130	22 U	20 U	1700	1800	25	29					22 U	20 U	2300	2400
WB-10	11/03/10		20 U		190		40 U		1600		21						20 U		1700
WB-10	12/06/10	22 U	20 U	67	160	22 U	20 U	1400	1600	22 U	20 U					22 U	20 U	1400	1600
WB-11	01/04/05	352	1190 J	18200	26000	10 U	10 UJ	10700	11600	488	524	0.2 U	0.2 U			8.8	8.6	3680	3780
WB-11	02/28/05	80.3	443	24500	28600	10 UJ	9.7 U	11300	11800	453	488	0.2 UJ	0.047 UJ			3.8	14.3 U	3390	3850 J
WB-11	04/04/05	25 U	2.1 J	132	1990	R	4.1 J	1250	1880	34.1	156	0.2 UJ	0.2 UJ			40 U	3.2 U	1570	1860
WB-11	06/06/05	857	1410	59000	67100	10 UJ	R	23600	25600	1140	1190	0.2 U	0.2 U			13.7	14.5	6800	7020
WB-11	08/01/05	2.4 UJ	42.3	41400	52700	10 U	10 U	20500	19400	775	754	0.2 U	0.2 U			2.9 U	40 U	6100	5900 J
WB-11	10/03/05	7.1 UJ	85.5	82300	97300	R	R	32900	34000	1370	1400	0.062 J	0.2 U			5.6 J	5.8	10700	9720
WB-11	12/05/05	1570 J	2080 J	17700 J	23800 J	10 UJ	10 UJ	8570 J	8970 J	350 J	371 J	0.2 UJ	0.2 UJ			12.5 J	12.7 J	2830 J	3030 J
WB-11	02/13/06	2390	2520	49900	55400	10 U	3.7 UJ	20100	19800	930	914	0.2 U	0.2 U			18.9 J	18.2 J	5170	5200
WB-11	04/03/06	670	927	26100	26200	10 U	10 U	10400	9650	530	488	0.2 UJ	0.2 UJ			8.2	8.1	3130	3120
WB-11	08/07/06	251	732	32700 J	37500 J	10 U	10 U	14200	12900	681	618	0.2 U	0.2 U			8.6	7.1	4970	4860
WB-11	10/16/06	55.8	454	42800	51900	10 UJ	10 UJ	14100	14200	682	683	0.2 U	0.2 U			4.5	5 J	4960	5020
WB-11	04/09/07	1250	1500	41100	40700	10 UJ	10 U	11000	10100	579	524	0.2 U	0.2 U			12.3	10.9	2930	2890
WB-11	07/16/07	3.3 UJ	49.7 J	85200	76800	10 U	3.8 J	23300	18500	1150	887	0.2 U	0.2 U			3.8 UJ	2.4 UJ	6370	5300
WB-11	10/02/07	30.6 J	174	133000	146000 J	10 UJ	10 UJ	39000	39200	2100 J	2120 J	0.2 U	0.2 U			9.1 J	8.8 J	9620	9440
WB-11	12/04/07	988	1390	46400	51300	10 UJ	10 UJ	15300	16100	712	769	0.2 U	0.2 U			8.9	9.3	3960	4190
WB-11	04/07/08	2980	3070	17500	25700	10 U	10 U	8760	9030	452	471	0.2 U	0.2 U			20.6	21.4	2600	2720
WB-11	05/20/08		140		9820		10 U		4740		201						2.8		2270
WB-11	06/10/08		230		33000		20 U		16000		810						20 U		5300
WB-11	07/23/08	47	256	29900 J	35800 J	10 U	10 U	19500	18800	937	910	0.082 J	0.076 J			5.1	6.1	6070	6010
WB-11	08/18/08		690		3100		20 U		8800		230						20 U		3400
WB-11	09/09/08		720		6600		20 U		15000		570						20 U		
WB-11	10/06/08	105	430	3430	5430	10 UJ	10 UJ	19500	18000	444	433					5.8	5.4	7690	7190
WB-11	11/19/08		1800		22000		20 U		12000		560						20 U		3900
WB-11	12/15/08	886	976	11200	13100	10 U	10 U	8360	7600	362 J	341 J					7.1 J	6.7 J	2730 J	2610 J
WB-11	02/10/09		520		28000		20 U		17000		710						20 U		
WB-11	03/17/09		4600		31000		20 U		16000		770						28		4100
WB-11	04/08/09	675	1070	5310	7240	10 U	10 U	4160 J	4380 J	216	243					7.3 J	7.2 J	1770 J	1820 J

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
WB-10	01/04/05	35 U	35 U	10 UJ	10 U	4820	4860			11000	25 U	25 U	50 U	50 U	5.4 U	7.6
WB-10	02/28/05	35 UJ	35 U	10 U	10 U	4010	4810			12000	25 U	25 U	50 U	50 U	4.1 UJ	7.9 U
WB-10	04/04/05	35 U	35 U	10 U	10 U	13800	2900			8400	10.5 J	25 U	2.6 UJ	3.8	88.9 J	411
WB-10	06/06/05	35 U	35 U	10 U	10 U	4850	4520			9400	25 U	25 U	50 U	50 U	2.8 UJ	4.9
WB-10	08/01/05	35 UJ	35 U	10 U	10 U	9370	9560			12000	25 U	25 U	50 U	50 U	4 U	5.2
WB-10	10/03/05	35 U	35 U	10 U	10 UJ	9620	9120			14000	25 U	25 U	50 U	50 U	5	5.1
WB-10	12/05/05	35 UJ	7.3 UJ	10 UJ	1.1 J	2990 J	2600 J			9300	25 UJ	25 UJ	50 UJ	50 UJ	3.1 J	2.8 J
WB-10	02/13/06	35 U	35 U	10 UJ	10 UJ	2880	2910			9400	25 U	25 U	50 U	50 U	10.1	2.8 J
WB-10	04/03/06	35 U	35 U	10 UJ	10 UJ	2660	2660			9900	25 U	25 U	50 U	0.86 UJ	2.1 J	2.8
WB-10	08/07/06	35 U	35 U	R	R	5730	6040			11000	25 U	25 U	50 U	50 U	3	3.8
WB-10	10/16/06	35 U	35 U	10 U	10 U	5180	5130			9800	25 U	25 U	50 U	50 U	12	7.1
WB-10	04/09/07	35 U	35 UJ	10 U	10 U	2920	2980			8500	25 U	25 U	50 U	50 U	3.9	3.3
WB-10	07/16/07	35 U	35 U	10 U	10 U	5460	5380			8300	25 U	25 U	50 U	50 U	4.8 U	4.5 U
WB-10	10/02/07	35 UJ	35 UJ	10 U	10 U	7000	6790			12000	25 U	25 U	50 U	50 U	2.3 J	2.7 J
WB-10	12/04/07	35 U	35 UJ	R	10 UJ	2550	2310			9000	25 U	25 U	50 UJ	50 U	4.3	82.1 U
WB-10	04/07/08	35 U	35 U	10 UJ	10 UJ	3900	3570			8200	25 U	25 U	50 U	50 U	2.2	3.9
WB-10	07/23/08	35 UJ	35 UJ	10 U	10 U	4970	5020			6800	25 U	25 U	50 U	0.42 J	3.7 U	3.9 U
WB-10	10/06/08	35 U	35 U	10 UJ	10 UJ	6100	6060			8100	25 U	25 U	50 U	50 U	7.4 U	2.6 U
WB-10	11/19/08		20 U		10 U		3400			8000		20 U		10 U		20 U
WB-10	12/15/08	35 U	35 U	10 U	10 U	2800 J	2710 J			7700	25 U	25 U	50 U	50 U	60 U	60 U
WB-10	02/10/09		20 U		10 U					10000		20 U		10 U		20 U
WB-10	03/17/09		20 U		10 U		4500			8600		20 U		10 U		20 U
WB-10	04/08/09	35 U	35 U	10 U	10 U	2490 J	2490 J			7200	25 U	25 U	5.3 J	50 U	7.4 J	2.3 J
WB-10	05/12/09		20 U		10 U		3600			7700		20 U		10 U		43
WB-10	06/09/09		20 U		10 U		4300			7500		20 U		10 U		20 U
WB-10	07/27/09	35 U	35 U	10 U	10 U	4960 J	5000 J			6900	25 U	25 U	50 U	13.3 J	2 J	29.6 J
WB-10	08/11/09		20 U		10 U					7600		20 U		10 U		20 U
WB-10	09/08/09		20 U		10 U					10000		20 U		10 U		20 U
WB-10	10/14/09	35 U	35 U	10 U	10 U	5130	5140			8500	25 U	25 U	3 J	50 U	4.4 J	3.5 J
WB-10	11/10/09		20 U		10 U		4400			8800		20 U		50 U		20 U
WB-10	12/08/09	35 U	35 U	10 U	10 U	2950 J	2930 J			7900	25 U	25 U	50 U	50 U	2.4 J	2.7 J
WB-10	03/09/10		20 U		10 U		3800			8100		20 U		10 U		20 U
WB-10	04/05/10	35 U	35 U	10 U	10 U	3040 J	2650 J				25 U	25 U	50 U	13.6 J	2.5 J	1.7 J
WB-10	05/04/10		200 U		30 U		5000 U			7800		200 U		30 U		30 U
WB-10	06/07/10	220 U	200 U	34 U	30 U	5600 U	5000 U			7400	450 U	200 U	34 U	30 U	34 U	30 U
WB-10	08/16/10	45 U	40 U	11 U	10 U	4400	4500			7800	22 U	20 U	11 U	10 U	22 U	20 U
WB-10	09/08/10		20 U		10 U		9400			19000		20 U		10 U		20 U
WB-10	10/04/10	22 U	40 U	11 U	10 U	4300	4400			15000	22 U	20 U	11 U	10 U	22 U	20 U
WB-10	11/03/10		20 U		10 U		3000			13000		20 U		10 U		20 U
WB-10	12/06/10	22 U	20 U	11 U	10 U	2600	2800			18000	22 U	20 U	11 U	10 U	22 U	20 U
WB-11	01/04/05	7.8 J	35 U	10 UJ	2 UJ	5010	5030			206000	25 U	25 U	50 U	50 U	262	294
WB-11	02/28/05	35 UJ	35 U	10 U	10 U	4590	5430			180000	25 U	25 U	0.81 UJ	0.95 J	98.8	182
WB-11	04/04/05	35 U	35 U	10 U	10 U	2730	2650			84000	25 U	25 U	50 U	3.2	5.1	11.9
WB-11	06/06/05	35 U	35 U	10 U	10 U	6450	5720			500000	25 U	25 U	2 UJ	0.92 J	415	442
WB-11	08/01/05	35 UJ	35 U	10 U	10 U	9970	10100			340000	6 UJ	25 U	50 U	1.4 UJ	48.1	55.8
WB-11	10/03/05	35 U	35 U	10 U	10 UJ	10500	10100			580000	25 U	25 U	2 UJ	3.1 UJ	90.6	101
WB-11	12/05/05	35 UJ	35 UJ	0.9 J	10 UJ	3400 J	3530 J			220000	25 UJ	25 UJ	50 UJ	50 UJ	507 J	540 J
WB-11	02/13/06	35 U	35 U	10 UJ	10 UJ	4430 J	4380 J			390000	25 U	25 U	1.9 UJ	2.4 UJ	729	714
WB-11	04/03/06	35 U	35 U	10 UJ	10 UJ	3470	3550			190000	25 U	25 U	50 U	0.81 UJ	277	255
WB-11	08/07/06	35 U	35 U	R	R	6540	6440			520000	25 U	25 U	50 U	50 U	255	247
WB-11	10/16/06	35 U	35 U	10 U	10 U	5880	5760			350000	25 U	25 U	50 U	50 U	147	158
WB-11	04/09/07	35 U	35 UJ	10 U	10 U	3530	3500			130000	25 U	25 U	50 U	50 U	487	443
WB-11	07/16/07	35 U	35 U	10 U	10 U	6690 J	6220 J			300000	25 U	25 U	50 UJ	50 UJ	62.2	56.4
WB-11	10/02/07	35 UJ	35 UJ	10 UJ	10 UJ	8160 J	7970 J			690000	25 UJ	25 UJ	1.6 UJ	1.8 UJ	156	169
WB-11	12/04/07	35 U	35 U	10 U	10 U	3480 J	3750 J			320000	4.2 J	7.1 J	50 U	50 U	313	378
WB-11	04/07/08	35 U	35 U	10 UJ	10 UJ	3900	3970			430000	25 U	2.7 J	50 U	1.6	824	827
WB-11	05/20/08		35 U		10 UJ		4570					25 U		50 U		48.8
WB-11	06/10/08		20 U		10 U		7200					20 U		10 U		98
WB-11	07/23/08	35 UJ	35 UJ	10 U	10 U	6060	6260			260000	25 U	25 U	50 U	0.51 J	115	141
WB-11	08/18/08		20 U		10 U		5700			190000		20 U		10 U		190
WB-11	09/09/08		20 U		10 U							20 U		10 U		410
WB-11	10/06/08	35 U	35 U	10 UJ	10 UJ	7520	7310			350000	25 U	25 U	50 U	50 U	165	167
WB-11	11/19/08		20 U		10 U		4500			240000		20 U		10 U		410
WB-11	12/15/08	35 U	35 U	10 U	10 U	3570 J	3320 J			190000	25 U	25 U	50 U	50 U	249	219
WB-11	02/10/09		20 U		10 U					300000		20 U		10 U		130
WB-11	03/17/09		20 U		10 U		5200			270000		20 U		10 U		1100
WB-11	04/08/09	35 U	35 U	10 U	10 U	2840 J	2800 J			76000	25 U	25 U	50 U	50 U	358	302

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
WB-11	05/12/09		1200		20 U		20 U		20 U		8 U		10 U		44000		20 U		20 U
WB-11	06/09/09		2500		20 U		20 U		21		8 U		10 U		65000		20 U		31
WB-11	07/27/09	200 UJ	8720	60 U	60 U	10 U	10 U	24.8 J	57.1 J	5 U	5 U	2.3 J	2.2 J	64400	64100	10 U	12.1	41.3 J	42.6 J
WB-11	08/11/09		1900		20 U		20 U		22		8 U		10 U		65000		20 U		33
WB-11	09/08/09		1200		20 U		20 U		23		8 U		10 U		130000		20 U		26
WB-11	10/14/09	200 U	1390	60 U	60 U	10 U	10 U	18.3 J	19.3 J	5 U	5 U	1.6 J	1.8 J	88000	89300	10 U	10 U	28.3 J	27.8 J
WB-11	11/10/09		1700		20 U		20 U		20 U		8 U		10 U		93000		20 U		37
WB-11	12/08/09	24.1 J	1640	60 U	60 U	10 U	10 U	16.8 J	17.6 J	5 U	5 U	1.7 J	1.8 J	57500	57900	10 U	10 U	31.4 J	31.9 J
WB-11	03/09/10		230		20 U		20 U		20 U		8 U		10 U		40000		20 U		20 U
WB-11	04/05/10	200 U	268	60 U	60 U	10 U	10 U	15.1 J	16.6 J	5 U	5 U	5 U	5 U	35500	37700	10 U	10 U	4.1 J	4.3 J
WB-11	05/04/10		800 U		400 U		1600 U		120 U		40 U		120 U		41000		120 U		120 U
WB-11	06/07/10	220 U	200 U	110 U	100 U	450 U	400 U	34 U	30 U	11 U	10 U	34 U	30 U	50000	50000	34 U	30 U	34 U	30 U
WB-11	08/16/10	120 U	320	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	62000	62000	22 U	20 U	22 U	20 U
WB-11	09/08/10		3100		20 U		20 U		43		8 U		10 U		240000		20 U		20 U
WB-11	10/04/10	120 U	860	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11 U	10 U	57000	56000	22 U	20 U	32	33
WB-11	11/03/10		110 U		20 U		20 U		20 U		8 U		10 U		51000		20 U		20 U
WB-11	12/06/10	120 U	130	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	37000	22 U	20 U	22 U	20 U
WB-11	04/04/11	120 U	200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	41000	43000	22 U	20 U	22 U	20 U
WB-11	08/16/11	120 U	1200	22 U	20 U	22 U	20 U	22 U	28	9 U	8 U	11 U	10 U	53000	56000	22 U	20 U	62	65
WB-11	10/03/11	120 U	3100	22 U	20 U	22 U	20 U	22 U	37	9 U	8 U	11 U	10 U	40000	42000	22 U	20 U	22 U	20 U
WB-11	12/13/11	120 U	660	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	44000	45000	22 U	20 U	22 U	20 U
WB-11	04/10/12	120 U	200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	45000	43000	22 U	20 U	22 U	20 U
WB-11	06/05/12	120 U	240	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	45000	47000	22 U	20 U	22 U	20 U
WB-11	08/13/12	120 U	2200	22 U	20 U	22 U	20 U	26	44	9 U	8 U	11 U	10 U	89000	91000	22 U	20 U	22 U	20 U
WB-11	10/09/12	120 U	900	22 U	20 U	22 U	20 U	22 U	28	9 U	8 U	11 U	10 U	55000	58000	22 U	20 U	22 U	20 U
WB-11	12/03/12	120 U	450	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	57000	52000	22 U	20 U	22 U	20 U
WB-11	03/26/13	120 U	110	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	42000	42000	22 U	20 U	22 U	20 U
WB-11	06/10/13	120 U	200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	42000	43000	22 U	20 U	22 U	20 U
WB-11	08/12/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	51000	52000	22 U	20 U	22 U	20 U
WB-11	10/23/13	120 U	110 U	67 U	60 U	22 U	20 U	22 U	22	9 U	8 U	11 U	10 U	59000	60000	22 U	20 U	22 U	20 U
WB-11	12/03/13	120 U	190	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	48000	48000	22 U	20 U	22 U	20 U
WB-12	10/04/05	13.4 U	79.7 U	4.7 UJ	60 U	10 U	10 U	21.5	24.3	5 UJ	5 UJ	5 U	5 U	57000	57900	10 U	10 U	50 U	50 U
WB-12	12/06/05	20.6 UJ	174 J	5.4 UJ	60 UJ	10 UJ	10 UJ	14.5 J	15.4 J	5 UJ	0.043 UJ	5 UJ	5 UJ	34400 J	34800 J	10 UJ	10 UJ	3 J	2 J
WB-12	02/14/06	16 J	193	60 U	60 U	10 UJ	10 UJ	12.1	12.8	5 U	5 U	5 U	5 U	32000	31700	10 U	10 U	1.5 J	1.2 J
WB-12	02/14/06	19 J	195	60 U	60 U	10 UJ	10 U	11.8	13.2	5 U	5 U	5 U	5 U	31900	32400	10 U	10 U	1.4 J	1.3 J
WB-12	04/03/06	16 J	209	60 U	60 U	10 U	10 U	13.9	15.3	5 U	5 U	5 U	5 U	30600	31000	10 U	10 U	1.3 J	50 U
WB-12	08/08/06	59.8 U	121	60 U	60 U	10 U	10 U	23.4	23.4	5 U	5 U	5 U	5 U	46000	44600	10 U	10 U	1.1 J	0.91 J
WB-12	10/16/06	20.2 J	119	60 U	60 U	10 U	10 U	18.4	20.8	5 UJ	5 UJ	5 U	5 U	45700	45300	10 U	10 U	2.6	1.4 J
WB-12	05/10/07	100 U	140	0.5 U	0.5 U	0.5 U	0.5 U	15	16.3	0.5 U	0.5 U	0.5 U	0.5 U	30000	30000	0.5 U	0.5 U	0.7	1.1
WB-12	06/11/07	38.2 U	232 U	60 U	60 U	R	R	17.7	18.8	5 U	5 U	5 U	5 U	40200	42200	10 U	10 U	1.6	50 U
WB-12	07/16/07	25.1	78.7	60 U	10.6 UJ	10 UJ	10 UJ	18.5	20.6	0.32 U	0.28 U	5 U	5 U	44800	45400	10 U	10 U	0.82 J	50 U
WB-12	07/16/07	16.1 J	84.7	60 U	60 U	10 UJ	10 UJ	19.2	20.3	0.075 UJ	0.2 U	5 U	5 U	44700	44900	10 U	10 U	0.69 J	50 U
WB-12	08/16/07	100 U	81 UJ	0.06 UJ	0.04 UJ	0.11 J	0.11 J	19.5	20.2	0.5 U	0.5 U	0.03 UJ	0.03 UJ	47000	47000	0.1 UJ	0.3 UJ	0.37 J	0.8
WB-12	10/02/07	35.9 J	77.7	60 U	60 U	10 U	10 U	20.2	22.6	5 U	5 U	5 U	5 U	51100	49200	10 U	10 U	50 UJ	50 UJ
WB-12	10/25/07																		
WB-12	11/08/07		220 U		10 U		20 U		20 U		8 U		10 U		17000		20 U		20 U
WB-12	12/04/07	11.4 J	89.2	60 U	60 U	5.6 J	10 UJ	12.8	13.8	5 U	5 U	5 UJ	5 UJ	33800	33400	10 U	10 U	50 U	50 U
WB-12	12/04/07	10.8 J	64.8	60 U	60 U	10 UJ	10 UJ	13.4	14	5 U	5 U	5 UJ	5 UJ	34900	34900	10 U	10 U	1.1	50 U
WB-12	04/07/08	20.8 J	2640	60 U	60 U	10 U	10 U	11.2	28	5 U	0.052 J	5 U	5 U	27800	29200	10 U	4.4	1.7	3.9
WB-12	05/20/08		89.2		60 U		10 U		17		5 U		5 U		35300		10 U		1.1 UJ
WB-12	06/10/08		110		20 U		20 U		21		8 U		10 U		41000		20 U		20 U
WB-12	07/23/08	55.3 UJ	96 U	60 U	60 U	10 U	10 U	20	20.5	5 U	5 U	5 U	5 U	42700	39300	0.48 UJ	0.55 UJ	2.9 U	50 U
WB-12	08/18/08		110 U		20 U		20 U		21		8 U		10 U		41000		20 U		20 U
WB-12	09/09/08		320		20 U		20 U		23		8 U		10 U		47000		20 U		20 U
WB-12	10/07/08	200 U	52 J	60 U	60 U	10 U	10 U	20.5	20.4	5 U	5 U	5 UJ	5 UJ	48800	49900	10 U	10 U	50 U	50 U
WB-12	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		37000		60 U		60 U
WB-12	12/16/08	200 UJ	380	60 U	60 U	10 U	10 U	11.6 J	15.2 J	5 UJ	5 UJ	5 U	5 U	27300	27300	10 U	10 U	2.9 J	0.91 J
WB-12	02/10/09		130		20 U		20 U		20 U		8 U		10 U		38000		20 U		20 U
WB-12	03/17/09		620		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-12	04/09/09	37.2 J	175 J	60 U	60 U	10 U	10 U	11.3 J	13.4 J	5 U	5 U	5 U	5 U	24300	24800	10 U	10 U	5.3 J	0.95 J
WB-12	05/12/09		280		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-12	06/10/09		190		20 U		20 U		20 U		8 U		10 U		37000		20 U		20 U
WB-12	07/28/09	11.9 J	119 J	60 U	60 U	10 U	10 U	19 J	20.1 J	5 U	5 U	5 U	5 U	39700	39300	10 U	10 U	0.93 J	0.58 J
WB-12	08/11/09		280		20 U		20 U		22		8 U		10 U		39000		20 U		20 U
WB-12	09/08/09		110 U		20 U		20 U		24		8 U		10 U		51000		20 U		20 U
WB-12	10/15/09																		
WB-12	11/10/09		120		20 U		20 U		20		8 U		10 U		42000		20 U		20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
WB-11	05/12/09		690		4800		20 U		5800		250						20 U		2600
WB-11	06/09/09		910		4900		20 U		10000		320						20 U		3700
WB-11	07/27/09	178	785	799	10400	1.4 J	9.9 J	8060	10100	464	902					13.5 J	23 J	3740 J	4580 J
WB-11	08/11/09		1000		2100		20 U		7200		290						20 U		3700
WB-11	09/08/09		700		6200		20 U		16000		470						20 U		7300
WB-11	10/14/09	349	1030	1440	3040	10 U	10 U	10300	10700	304	311					8 J	11.2 J	4820 J	4950 J
WB-11	11/10/09		1300		3800		20 U		10000		280						20 U		4400
WB-11	12/08/09	639	1140	13800	16000	10 U	10 U	10300	10600	486	501					6.4 J	6.7 J	3460 J	3480 J
WB-11	03/09/10		97		2900		20 U		3400		120						20 U		2200
WB-11	04/05/10	14 J	89.2	5850	9890	10 U	10 U	4040 J	4810 J	142	191					2 J	1.8 J	2020 J	2240 J
WB-11	05/04/10		120 U		500		400 U		2900		80 U						240 U		20000 U
WB-11	06/07/10	34 U	40	130	500	110 U	200 U	3300	3300	65	77					130 U	60 U	5600 U	5000 U
WB-11	08/16/10	22 U	20 U	45 U	720	22 U	20 U	6100	5900	120	130					22 U	20 U	3400	3500
WB-11	09/08/10		100		19000		40 U		40000		570						20 U		15000
WB-11	10/04/10	190	520	99	2000	22 U	20 U	4600	4800	220	230					22 U	20 U	3200	3400
WB-11	11/03/10		21		360		40 U		4400		64						20 U		2600
WB-11	12/06/10	22 U	20 U	2100	3100	22 U	20 U	3000	3200	87	98					22 U	20 U	1800	2000
WB-11	04/04/11	22 U	30	2700	7400	22 U	20 U	4000	4900	130	180					22 U	20 U	1900	2200
WB-11	08/16/11	100	450	230	2400	22 U	20 U	5100	5600	370	450					22 U	25	3100	3400
WB-11	10/03/11	22 U	39	310	5700	22 U	20 U	3200	4600	130	230					22 U	20 U	2600	3500
WB-11	12/13/11	45 U	20 U	3500	6100	22 U	20 U	4300	4700	140	160					22 U	20 U	2300	2400
WB-11	04/10/12	22 U	20 U	1500	5700 J2	22 U	20 U	4300	4200	120	130					22 U	20 U	2200	2200
WB-11	06/05/12	22 U	20 U	45 U	620	22 U	20 U	3100	3100	63	78					22 U	20 U	2200	2400
WB-11	08/13/12	22 U	20 U	45 U	3100	22 U	20 U	7000	7300	200	250					22 U	20 U	6400	6900
WB-11	10/09/12	22 U	25	94	5200	22 U	20 U	4700	5300	150	190					22 U	20 U	3500	3500
WB-11	12/03/12	22 U	20 U	3300	5700	22 U	20 U	7300	6300	250	220					22 U	20 U	3400	3100
WB-11	03/26/13	22 U	20 U	1100	1800	22 U	20 U	3000	3100	57	65					22 U	20 U	1100 U	1000 U
WB-11	06/10/13	22 U	20 U	45 U	300	22 U	40 U	2000	2100	22 U	31					22 U	20 U	1100 U	1000 U
WB-11	08/12/13	22 U	20 U	45 U	170	22 U	20 U	2500	2500	22 U	28					22 U	20 U	1100 U	1000 U
WB-11	10/23/13	22 U	20 U	45	140	22 U	20 U	3400	3600	28	32					22 U	20 U	1100 U	1000 U
WB-11	12/03/13	22 U	20 U	1100	2400	22 U	20 U	4400	4500	94	100					22 U	20 U	1100 U	1000 U
WB-12	10/04/05	1.9 J	5.9	17.5 U	4360	10 U	10 U	4620	4700	73.7	83.3	0.2 U	0.052 J			40 U	40 U	3660	3610
WB-12	12/06/05	16.2 J	57.7 J	176 J	812 J	10 UJ	10 UJ	1770 J	1810 J	24.1 J	29.2 J	0.2 UJ	0.2 UJ			40 UJ	40 UJ	1680 J	1740 J
WB-12	02/14/06	4.8	52.7	60.4	1220	10 U	10 U	1680	1690	23	27.6	0.2 U	0.2 U			40 U	40 U	1550	1560
WB-12	02/14/06	6.1	53	60.5	1200	10 U	10 U	1680	1710	23.2	27.2	0.2 U	0.2 U			40 U	40 U	1560	1550
WB-12	04/03/06	6.5	30.5	183	1030	10 U	10 U	1640	1700	26.5	36.3	0.2 UJ	0.2 UJ			40 U	40 U	1490	1550
WB-12	08/08/06	3.7	22.6	66.2 J	1300 J	10 U	10 U	2450	2380	38.9	43.4	0.034 J	0.2 U			40 U	40 U	2660	2610
WB-12	10/16/06	2.6 J	32.9	30.1	3700	10 UJ	10 UJ	2950	2950	65.6	67.8	0.056 UJ	0.2 U			0.94 J	40 U	2610	2570
WB-12	05/10/07	10 U	16	170	1400	0.5 U	0.5 U	1700	1700	27.4	36.2	0.2 U	0.2 U	2 U	2 U	1	1.2	2500 U	2500 U
WB-12	06/11/07	2.6 U	22.8	49.4	3550	10 U	10 U	2500	2730	54.7	70	0.2 U	0.2 U			40 U	40 U	2060	2120
WB-12	07/16/07	25 UJ	25 UJ	100 U	3290	10 U	10 U	2750	2800	44.6	55.5	0.2 U	0.2 U			40 U	40 U	2410	2450
WB-12	07/16/07	25 UJ	25 UJ	100 U	3310	10 U	10 U	2770	2770	44.5	56.7	0.2 U	0.2 U			40 U	40 U	2440	2440
WB-12	08/16/07	2.1	3	40 J	4700	0.06 UJ	0.05 UJ	4700	4700	78.6	95.5	0.2 U	0.2 U	0.5 UJ	0.34 UJ	0.9	1.1	3500	3400
WB-12	10/02/07	25 UJ	4.2 J	20.7 U	5190 J	10 U	10 U	4340	4290	84.3 J	95.1 J	0.2 U	0.2 U			40 U	40 U	3100	3080
WB-12	10/25/07			50 U	50 U														
WB-12	11/08/07		20 U		120		20 U		1200		20 U						20 U		1300
WB-12	12/04/07	3.4	25.9	60.5	956	10 UJ	10 UJ	1830	1850	29.6	36	0.2 U	0.2 U			40 U	40 U	1580	1670
WB-12	12/04/07	2.9	26.8	60	971	10 UJ	10 UJ	1900	1900	36.6	35.9	0.2 U	0.2 U			40 U	40 U	1660	1670
WB-12	04/07/08	16.6	108	162	4030	10 U	10 U	1510	2650	28.2	210	0.2 U	0.2 U			0.98 J	4.5	1470	1790
WB-12	05/20/08		16.1		1120		10 U		1940		39.2						40 U		1800
WB-12	06/10/08		20 U		1100		20 U		2400		46						20 U		2200
WB-12	07/23/08	3.9 U	8.1	188 J	1180 J	10 U	5.4 J	2220	2160	39.3	51.1	0.077 J	0.089 J			40 U	40 U	2050	2140
WB-12	08/18/08		34		180		20 U		2100		26						20 U		2000
WB-12	09/09/08		40		540		20 U		2700		49						20 U		
WB-12	10/07/08	7.6 U	14.2	63.6	202	10 UJ	10 UJ	2690	2710	25.7	26					40 U	40 U	2560	2600
WB-12	11/19/08		120 U		740		60 U		2000		60 U						60 U		1500 U
WB-12	12/16/08	21.3 J	34.1	148 J	668	10 U	10 U	1420 J	1560 J	22.1 J	56.2 J					40 U	40 U	1340 J	1350 J
WB-12	02/10/09		22		1200		20 U		2300		48						20 U		
WB-12	03/17/09		130		1500		20 U		2100		61						20 U		1800
WB-12	04/09/09	16.8 J	30.6	139	354	10 U	10 U	1180 J	1230 J	22.8	41.5					40 U	40 U	1120 J	1110 J
WB-12	05/12/09		20 U		390		20 U		1700		37						20 U		1600
WB-12	06/10/09		24		270		20 U		1900		31						20 U		1600
WB-12	07/28/09	12.9 J	24.9 J	10 J	164	10 U	10 U	1830 J	1830 J	20.6	32.7					40 U	40 U	1970 J	1970 J
WB-12	08/11/09		40 U		320		20 U		1900		42						20 U		2100
WB-12	09/08/09		22		240		20 U		2800		30						20 U		2700
WB-12	10/15/09																		
WB-12	11/10/09		45		190		20 U		2000		24						20 U		2200

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
WB-11	05/12/09		20 U		10 U		4400			89000		20 U		10 U		180
WB-11	06/09/09		20 U		10 U		4600			160000		20 U		10 U		270
WB-11	07/27/09	35 U	35 U	10 U	10 U	5200	5290			170000	25 U	25 U	50 U	11 J	301	363
WB-11	08/11/09		20 U		10 U		4500			160000		20 U		10 U		290
WB-11	09/08/09		20 U		10 U		8500			290000		20 U		10 U		200
WB-11	10/14/09	35 U	35 U	10 U	10 U	5690	5840			200000	25 U	25 U	50 U	50 U	240	264
WB-11	11/10/09		20 U		10 U		5200			200000		20 U		50 U		330
WB-11	12/08/09	35 U	35 U	10 U	10 U	3860 J	3880 J			150000	25 U	25 U	50 U	50 U	250	261
WB-11	03/09/10		20 U		10 U		3900			37000		20 U		10 U		42
WB-11	04/05/10	35 U	35 U	10 U	10 U	2940 J	2990 J				25 U	25 U	50 U	50 U	17.3 J	25 J
WB-11	05/04/10		800 U		120 U		20000 U			37000		800 U		120 U		120 U
WB-11	06/07/10	220 U	200 U	34 U	30 U	5600 U	5000 U			44000	450 U	200 U	34 U	30 U	34 U	30 U
WB-11	08/16/10	45 U	40 U	11 U	10 U	4500	4800			91000	22 U	20 U	11 U	10 U	22 U	20 U
WB-11	09/08/10		20 U		10 U		12000			740000		20 U		11		49
WB-11	10/04/10	22 U	40 U	11 U	10 U	4100	4200			80000	22 U	20 U	11 U	10 U	120	140
WB-11	11/03/10		20 U		10 U		3500			140000		20 U		10 U		20 U
WB-11	12/06/10	22 U	20 U	11 U	10 U	2700	2900			47000	22 U	20 U	11 U	10 U	22 U	20 U
WB-11	04/04/11	45 U	40 U	11 U	10 U	4700	4800			57000	45 U	40 U	22 U	20 U	22 U	30
WB-11	08/16/11	45 U	20 U	11 U	10 U	3900	4000			82000	22 U	40 U	56 U	50 U	230	320
WB-11	10/03/11	22 U	20 U	11 U	10 U	3600	3800			39000	22 U	20 U	56 U	50 U	22 U	27
WB-11	12/13/11	22 U	20 U	11 U	10 U	3500	3600			66000	22 U	20 U	56 U	20 U	22 U	20 U
WB-11	04/10/12	45 U	40 U	11 U	10 U	3600	3800			44000	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	06/05/12	22 U	20 U	11 U	10 U	4100	4100			56000	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	08/13/12	45 U	40 U	11 U	10 U	9400	9500			150000	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	10/09/12	22 U	40 U	11 U	10 U	6200	6100			75000	22 U	40 U	22 U	20 U	22 U	20 U
WB-11	12/03/12	22 U	20 U	11 U	10 U	4500	4200			100110	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	03/26/13	45 U	40 U	11 U	10 U	1100 U	1000 U			30000	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	06/10/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	23
WB-11	08/12/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
WB-11	10/23/13	45 U	40 U	11 U	10 U	1100 U	1000 U			52000	22 U	20 U	22 U	20 U	22 U	20 U
WB-11	12/03/13	45 U	40 U	11 U	10 U	1100 U	1000 U			53000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	10/04/05	35 U	35 U	10 UJ	10 UJ	11700	11100			54000	25 U	25 U	50 U	50 U	2.3 J	8.8 J
WB-12	12/06/05	35 UJ	35 UJ	10 UJ	10 UJ	3730 J	4140 J			14000	25 UJ	25 UJ	50 UJ	50 UJ	11.6 J	17.8 J
WB-12	02/14/06	35 U	35 U	10 UJ	10 UJ	3330	3010			15000	25 U	25 U	50 U	50 U	9.4	15.7
WB-12	02/14/06	35 U	35 U	10 UJ	10 U	3420	3230			15000	25 U	25 U	50 U	50 U	9.6	15.8
WB-12	04/03/06	35 U	35 U	10 UJ	10 UJ	3640	3500			16000	25 U	25 U	50 U	0.7 UJ	5.7	10.8
WB-12	08/08/06	35 U	35 U	R	R	7790	7410			24000	25 U	25 U	50 U	50 U	3	9.6
WB-12	10/16/06	35 U	35 U	10 U	10 U	5890	5830			30000	25 U	25 U	50 U	50 U	5.8	18.9
WB-12	05/10/07	1 U	1 U	0.5 U	0.5 U	3000	3000	140	136	15000	0.5 U	0.5 U	0.5 U	0.5 U	5.5 J	13.6 J
WB-12	06/11/07	35 UJ	35 U	10 U	10 U	5850	5930			26000	25 U	25 U	50 U	50 U	5.8 U	17.3 U
WB-12	07/16/07	35 U	35 U	10 U	10 U	6420	6560			27000	25 U	25 U	50 U	50 U	2.2 U	5.4 U
WB-12	07/16/07	35 U	35 U	10 U	10 U	6750	6430			27000	25 U	25 U	50 U	50 U	2.2 U	6.4 U
WB-12	08/16/07	0.4 J	0.6 J	0.5 U	0.5 U	9700	9500	220	225	62000	0.03 UJ	0.5 U	0.5 U	0.19 UJ	5.3 U	6.3
WB-12	10/02/07	35 UJ	35 UJ	10 U	10 U	7090	6810			62000	25 U	25 U	50 U	50 U	60 U	7.8
WB-12	10/25/07									6000						
WB-12	11/08/07		20 U		10 U		2600					20 U		10 U		20 U
WB-12	12/04/07	35 U	35 U	10 U	10 U	3310	3630			15000	4.7 J	3.5 J	50 U	50 U	26.4	22.4
WB-12	12/04/07	35 U	35 U	10 U	10 U	3500	3600			15000	25 U	25 U	50 U	50 U	12.7	14.3
WB-12	04/07/08	35 U	35 U	10 UJ	10 UJ	4430	4760			17000	25 U	25 U	50 U	4.1	13	39.8
WB-12	05/20/08		35 U		10 UJ		4720					25 U		50 U		11.1
WB-12	06/10/08		20 U		10 U		6600					20 U		10 U		20 U
WB-12	07/23/08	35 UJ	35 UJ	10 U	10 U	5280	5450			17000	25 U	25 U	0.69	0.56 J	8 U	6.9 U
WB-12	08/18/08		20 U		10 U		6300			16000		20 U		10 U		20 U
WB-12	09/09/08		20 U		10 U					22000		20 U		10 U		20 U
WB-12	10/07/08	35 U	35 U	10 UJ	10 UJ	6420	6480			20000	25 U	25 U	50 U	50 U	5.8 U	7.9 U
WB-12	11/19/08		120 U		30 U		3900			14000		60 U		30 U		60 U
WB-12	12/16/08	35 U	35 U	10 U	10 U	2600 J	2680 J			10000	25 U	25 U	50 U	50 U	8.2 J	11.1 J
WB-12	02/10/09		20 U		10 U					21000		20 U		10 U		20 U
WB-12	03/17/09		20 U		10 U		5000			18000		20 U		10 U		36
WB-12	04/09/09	35 U	35 U	10 U	10 U	2560 J	2550 J			9200	25 U	25 U	3.8 J	7.5 J	7 J	14.6 J
WB-12	05/12/09		20 U		10 U		4700			10000		20 U		10 U		20 U
WB-12	06/10/09		20 U		10 U		4500			12000		20 U		10 U		20 U
WB-12	07/28/09	35 U	35 U	10 U	10 U	5350	5280			13000	25 U	25 U	50 U	50 U	5.8 J	9.4 J
WB-12	08/11/09		20 U		10 U		4400			12000		20 U		10 U		20 U
WB-12	09/08/09		20 U		10 U		8200			24000		20 U		10 U		20 U
WB-12	10/15/09									21000						
WB-12	11/10/09		20 U		10 U		5200			17000		20 U		50 U		20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
WB-12	12/08/09	11.5 J	132 J	60 U	2.3 J	10 U	10 U	16.7 J	16.9 J	5 U	5 U	5 U	5 U	37500	36800	10 U	10 U	1.3 J	0.74 J
WB-12	03/09/10		260		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-12	04/06/10	200 U	193 J	60 U	60 U	10 U	10 U	16.2 J	18.1 J	5 U	5 U	5 U	5 U	31000	33500	10 U	10 U	0.67 J	0.68 J
WB-12	05/04/10		200 U		100 U		400 U		30 U		10 U		30 U		38000		30 U		30 U
WB-12	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	45000	43000	34 U	30 U	34 U	30 U
WB-12	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	43000	45000	22 U	20 U	22 U	20 U
WB-12	09/08/10		110 U		20 U		20 U		31		8 U		10 U		78000		20 U		20 U
WB-12	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	38000	39000	22 U	20 U	22 U	20 U
WB-12	11/03/10		110 U		20 U		20 U		20 U		8 U		10 U		37000		20 U		20 U
WB-12	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	30000	32000	22 U	20 U	22 U	20 U
WB-12	04/05/11	120 U	200	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	33000	22 U	20 U	22 U	20 U
WB-12	06/07/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	38000	22 U	20 U	22 U	20 U
WB-12	08/15/11	9000	18000	22 U	20 U	22 U	20 U	22 U	68	9 U	8 U	22	22	84000	90000	22 U	28	310	330
WB-12	08/16/11	120 U	740	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	39000	37000	22 U	20 U	22 U	20 U
WB-12	08/29/11	44	1600	0.46 U	0.46 U	0.29 U	0.29 U	8.5 J ^	21 ^	0.045 U	0.065 J	0.13 ^ U	0.13 U	13000 B	13000	1.3 J	3.7	0.075 J ^	1 ^ B
WB-12	09/07/11	120 U	3000	22 U	20 U	22 U	20 U	22 U	36	9 U	8 U	11 U	10 U	37000	40000	22 U	20 U	22 U	20 U
WB-12	10/04/11	120 U	300	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	35000	36000	22 U	20 U	22 U	20 U
WB-12	12/12/11	120 U	120	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	37000	22 U	20 U	22 U	20 U
WB-12	04/11/12	120 U	150	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	37000	39000	22 U	20 U	22 U	20 U
WB-12	06/04/12	250 U	270	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	34000	33000	22 U	20 U	22 U	20 U
WB-12	08/14/12	120 U	110 U	22 U	20 U	22 U	20 U	25	27	9 U	8 U	11 U	10 U	51000	53000	22 U	20 U	22 U	20 U
WB-12	10/10/12	120 U	220 U	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	46000	48000	22 U	20 U	22 U	20 U
WB-12	12/04/12	120 U	120 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	39000	22 U	20 U	22 U	20 U
WB-12	03/27/13	120 U	120	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	38000	39000	22 U	20 U	22 U	20 U
WB-12	06/11/13	120 U	3500	22 U	20 U	22 U	20 U	22 U	37	9 U	8 U	11 U	10 U	33000	38000	22 U	20 U	22 U	20 U
WB-12	08/13/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	23	9 U	8 U	11 U	10 U	46000	47000	22 U	20 U	22 U	20 U
WB-12	10/23/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	49000	49000	22 U	20 U	22 U	20 U
WB-12	12/03/13	120 U	660	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	40000	38000	22 U	20 U	22 U	20 U
WB-13	10/04/05	6.2 UJ	55.6 U	60 U	60 U	10 U	4.7 J	20.8	23.2	5 UJ	5 UJ	5 U	5 U	55600	56100	10 U	10 U	2.2	50 U
WB-13	12/06/05	17.9 UJ	162 J	60 UJ	5.4 UJ	10 UJ	10 UJ	13.1 J	14.6 J	5 UJ	5 UJ	5 UJ	5 UJ	30600 J	31200 J	10 UJ	10 UJ	3.7 J	1.4 J
WB-13	02/14/06	14.6 J	179	60 U	60 U	10 UJ	10 U	11	12.2	5 U	5 U	5 U	5 U	28700	29000	10 U	10 U	1.9 J	1.1 J
WB-13	04/03/06	17.6 J	183	60 U	60 U	10 U	10 U	12.9	14.1	5 U	5 U	5 U	5 U	27600	27300	10 U	0.41 J	1.8	50 U
WB-13	04/03/06	15.9 J	181	60 U	60 U	10 U	10 U	12.8	14.1	5 U	5 U	5 U	5 U	27200	27200	10 U	10 U	50 U	50 U
WB-13	08/08/06	63.2 U	116	60 U	60 U	10 U	10 U	20.8	21.8	5 U	5 U	5 U	5 U	41400	41600	10 U	10 U	50 U	50 U
WB-13	08/08/06	70.5 U	127	60 U	60 U	10 U	10 U	20.5	22.5	5 U	5 U	5 U	5 U	40600	42800	10 U	10 U	50 U	50 U
WB-13	10/16/06	25 J	97.7	60 U	60 U	10 U	10 U	17.6	19.8	5 UJ	5 UJ	5 U	5 U	41500	41500	10 U	10 U	1.1 J	50 U
WB-13	10/16/06	18.5 J	95.3	60 U	60 U	10 U	10 U	17.5	18.4	5 UJ	5 UJ	5 U	5 U	41800	40900	10 U	10 U	50 U	1.2 J
WB-13	07/16/07	24.7	74.8	60 U	60 U	10 UJ	10 UJ	18.1	18.7	5 U	0.22 U	5 U	5 U	42300	41700	10 U	10 U	50 U	50 U
WB-13	10/02/07	200 U	116	60 U	60 U	10 U	10 U	19.4	24.5	5 U	5 U	5 U	5 U	53300	54800	10 U	10 U	50 UJ	0.79 J
WB-13	10/02/07	31.7 J	89.5	60 U	60 U	10 U	10 U	19.7	23.1	5 U	5 U	5 U	5 U	50400	49500	10 U	10 U	50 UJ	50 UJ
WB-13	02/14/08		110 U		20 U		20 U		20 U		8 U		10 U		30000		20 U		20 U
WB-13	03/12/08		650		10 U		20 U		20 U		8 U		10 U		26000		20 U		20 U
WB-13	04/08/08	16 J	1220	60 U	60 U	10 U	10 U	10.3	17	5 U	5 U	5 U	5 U	23700	24300	10 U	1.7	1.5	2.4
WB-13	04/08/08	14.5 J	1080	60 U	60 U	10 U	10 U	9.7	16.7	5 U	5 U	5 U	5 U	22800	24500	10 U	1.5	1.7	2.5
WB-13	05/20/08		84		60 U		10 U		16.9		5 U		5 U		32700		10 U		0.95 UJ
WB-13	05/20/08		70.7		60 U		10 U		17.3		5 U		5 U		33600		10 U		50 U
WB-13	06/10/08		110 U		20 U		20 U		20 U		8 U		10 U		38000		20 U		20 U
WB-13	06/10/08		110 U		20 U		20 U		20 U		8 U		10 U		37000		20 U		20 U
WB-13	07/23/08	57.4 UJ	107 U	60 U	60 U	10 U	10 U	18.6	20.6	5 U	5 U	5 U	5 U	37800	37800	10 U	0.78 U	1.1 UJ	50 U
WB-13	07/23/08	44.5 UJ	110 U	60 U	60 U	10 U	10 U	18.5	20	5 U	5 U	5 U	5 U	37200	37000	10 U	0.55 UJ	1.1 UJ	50 U
WB-13	08/18/08		110 U		20 U		20 U		20		8 U		10 U		37000		20 U		20 U
WB-13	08/18/08		110 U		20 U		20 U		20		8 U		10 U		38000		20 U		20 U
WB-13	09/09/08		280		20 U		20 U		22		8 U		10 U		43000		20 U		20 U
WB-13	09/09/08		270		20 U		20 U		22		8 U		10 U		43000		20 U		20 U
WB-13	10/07/08	62.9 J	200 U	60 U	60 U	10 U	10 U	20.1	19.8	5 U	5 U	5 UJ	5 UJ	45700	46200	10 U	10 U	50 U	50 U
WB-13	10/07/08	200 U	200 U	60 U	60 U	10 U	10 U	19.1	19.9	5 U	5 U	5 UJ	5 UJ	44400	46100	10 U	10 U	50 U	50 U
WB-13	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		33000		60 U		60 U
WB-13	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		34000		60 U		60 U
WB-13	12/16/08	200 UJ	445	60 U	60 U	10 U	10 U	12.5 J	13.8 J	5 UJ	5 UJ	5 U	5 U	23500	22800	10 U	10 U	1.9 J	0.72 J
WB-13	12/16/08	200 UJ	440	60 U	60 U	10 U	10 U	10.5 J	14.4 J	5 UJ	5 UJ	5 U	5 U	23100	23300	10 U	10 U	1.7 J	0.62 J
WB-13	02/10/09		150		20 U		20 U		20 U		8 U		10 U		35000		20 U		20 U
WB-13	03/17/09		460		20 U		20 U		20 U		8 U		10 U		29000		20 U		20 U
WB-13	03/17/09		430		20 U		20 U		20 U		8 U		10 U		29000		20 U		20 U
WB-13	04/09/09	14.2 J	169 J	60 U	60 U	10 U	10 U	11.1 J	13 J	5 U	5 U	5 U	5 U	22600	22900	10 U	10 U	4.5 J	0.96 J
WB-13	04/09/09	200 UJ	228	60 U	60 U	10 U	10 U	11.2 J	12.4 J	5 U	5 U	5 U	5 U	23000	22300	10 U	10 U	3.1 J	0.85 J
WB-13	05/12/09		140		20 U		20 U		20 U		8 U		10 U		31000		20 U		20 U
WB-13	05/12/09		150		20 U		20 U		20 U		8 U		10 U		31000		20 U		20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
WB-12	12/08/09	10.5 J	32.3	125	554	10 U	10 U	1960 J	1970 J	27.3	33					40 U	40 U	1760 J	1730 J
WB-12	03/09/10		40 U		810		20 U		2000		44						20 U		1800
WB-12	04/06/10	4.8 J	12.7 J	219 U	633	10 U	10 U	1660 J	1800 J	16	34.8					40 U	40 U	1580 J	1750 J
WB-12	05/04/10		30 U		190		100 U		1700		24						60 U		5000 U
WB-12	06/08/10	34 U	30 U	110 U	150	1100 U	200 U	2100	2100	22 U	40 U					67 U	120 U	5600 U	5000 U
WB-12	08/17/10	22 U	20 U	45 U	93	22 U	20 U	2300	2400	22 U	20 U					22 U	20 U	2200	2400
WB-12	09/08/10		20 U		250		40 U		7400		25						20 U		4500
WB-12	10/05/10	22 U	20 U	45 U	100	22 U	20 U	1800	1900	22 U	23					22 U	20 U	2200	2300
WB-12	11/03/10		20 U		97		40 U		1900		22						20 U		1800
WB-12	12/07/10	22 U	20 U	180	370	22 U	20 U	1500	1600	22 U	24					22 U	20 U	1500	1600
WB-12	04/05/11	22 U	20 U	150	540	22 U	20 U	1700	1800	23	40					22 U	20 U	1500	1700
WB-12	06/07/11	22 U	20 U	45 U	130	22 U	20 U	1900	1900	22 U	20 U					22 U	20 U	1800	1900
WB-12	08/15/11	13000	14000	6400	29000	22 U	20 U	9900	13000	820	950					210	220	4400	7400
WB-12	08/16/11	22 U	52	59	1000	22 U	20 U	2100	2200	41	140					22 U	20 U	2400	2300
WB-12	08/29/11	1.4 J ^	3.8 ^	15 J	1800 ^ B	0.15 U	0.82 J ^	820	1500	8.7 ^ B	81 ^			1.6 U	1.6 U	0.34 J	2.9 ^	1200	1600
WB-12	09/07/11	22 U	21	57	3300	22 U	20 U	1800	3100	52	170					22 U	20 U	2000	2700
WB-12	10/04/11	22 U	20 U	110 B	590	22 U	20 U	1700	1900	27	43					22 U	20 U	2100	2200
WB-12	12/12/11	45 U	40 U	140	500	22 U	20 U	1900	1900	32	36					22 U	20 U	1800	1800
WB-12	04/11/12	22 U	20 U	130	560 J2	22 U	20 U	1900	2000	24	31					22 U	20 U	1500	1700
WB-12	06/04/12	22 U	20 U	45 U	310	22 U	20 U	1600	1600	22 U	37					22 U	20 U	1700	1600
WB-12	08/14/12	22 U	20 U	45 U	150	22 U	20 U	2500	2700	22 U	23					22 U	20 U	3100	2900
WB-12	10/10/12	22 U	20 U	45 U	170	22 U	20 U	2400	2500	22 U	22					22 U	20 U	2600	2700
WB-12	12/04/12	22 U	20 U	350	490	22 U	20 U	2100	2000	25	34					22 U	20 U	1900	1900
WB-12	03/27/13	22 U	20 U	87	360	22 U	20 U	1900	2000	22 U	24					22 U	20 U	1100 U	1000 U
WB-12	06/11/13	22 U	20 U	45 U	3900	22 U	40 U	1600	3100	22 U	300					22 U	20 U	1100 U	1000 U
WB-12	08/13/13	22 U	20 U	45 U	140	22 U	20 U	2000	2100	22 U	20 U					22 U	20 U	1100 U	1000 U
WB-12	10/23/13	22 U	20 U	45 U	180	22 U	20 U	2200	2300	22 U	20 U					22 U	20 U	1100 U	1000 U
WB-12	12/03/13	22 U	20 U	56	980	22 U	20 U	1900	2200	22 U	75					22 U	20 U	1100 U	1000 U
WB-13	10/04/05	1.6 J	3.8	34.1 U	2890	10 U	10 U	4450	4450	60.3	63.1	0.05 J	0.2 U			40 U	40 U	3590	3580
WB-13	12/06/05	17 J	53 J	159 J	747 J	10 UJ	10 UJ	1640 J	1680 J	22.8 J	25.8 J	0.2 UJ	0.2 UJ			40 UJ	40 UJ	1580 J	1590 J
WB-13	02/14/06	6.8	44.8	95.5	1020	10 U	10 U	1540	1580	20.6	23.7	0.2 U	0.2 U			40 U	40 U	1450	1460
WB-13	04/03/06	6.6	25.9	172	882	10 U	10 U	1500	1540	23.2	31.2	0.2 UJ	0.2 UJ			40 U	40 U	1400	1450
WB-13	04/03/06	5.3	25.5	133	880	10 U	10 U	1480	1540	21.2	30.8	0.2 UJ	0.2 UJ			40 U	40 U	1390	1410
WB-13	08/08/06	3.9	20.4	48.3 J	1120 J	10 U	10 U	2280	2280	25.9	33.4	0.2 U	0.034 J			40 U	40 U	2460	2460
WB-13	08/08/06	3.6	21.4	44.4 J	1190 J	10 U	10 U	2250	2340	25.4	34.7	0.2 U	0.2 U			40 U	40 U	2360	2450
WB-13	10/16/06	2.3 J	26	28.7	2900	10 UJ	10 UJ	2700	2680	49.7	52.5	0.05 UJ	0.043 UJ			40 U	40 U	2390	2370
WB-13	10/16/06	2 J	24.6	24	2860	10 UJ	6.7 J	2710	2620	50.7	58.6	0.2 U	0.2 U			40 U	40 U	2350	2480
WB-13	07/16/07	25 UJ	25 UJ	100 U	2400	10 U	10 U	2610	2580	35.5	41.8	0.2 U	0.2 U			40 U	40 U	2340	2310
WB-13	10/02/07	25 UJ	7.6 J	100 U	8390 J	10 U	10 U	4840	4990	116 J	139 J	0.2 U	0.2 U			40 U	40 U	3230	3270
WB-13	10/02/07	25 UJ	4.5 J	100 U	5250 J	10 U	10 U	4250	4300	82.3 J	94.6 J	0.2 U	0.2 U			40 U	40 U	3030	3030
WB-13	02/14/08		20 U		540		20 U		1700		24						20 U		1300
WB-13	03/12/08		76		1900		20 U		1600		66						20 U		1400
WB-13	04/08/08	20.2	89.3	138	1980	10 U	10 U	1350	1900	22.2	89.8	0.2 U	0.2 U			40 U	2.4	1320	1450
WB-13	04/08/08	19.7	90.2	141	1820	10 U	10 U	1310	1820	21.5	86.8	0.2 U	0.2 U			40 U	2.5	1290	1480
WB-13	05/20/08		13.2		919		10 U		1820		32.2						40 U		1730
WB-13	05/20/08		13.4		935		10 U		1890		33.2						40 U		1780
WB-13	06/10/08		20 U		720		20 U		2200		32						20 U		2100
WB-13	06/10/08		20 U		740		20 U		2200		32						20 U		2100
WB-13	07/23/08	3.1 U	7.5	144 J	957 J	10 U	10 U	2060	2050	27.6	44.1	0.2 UJ	0.066 J			40 U	40 U	1920	1960
WB-13	07/23/08	2.5 U	7	144 J	943 J	10 U	10 U	2020	2060	27.1	43.9	0.1 J	0.1 J			40 U	40 U	1930	1960
WB-13	08/18/08		28		150		20 U		2000		22						20 U		2000
WB-13	08/18/08		26		160		20 U		2000		22						20 U		1900
WB-13	09/09/08		33		470		20 U		2500		42						20 U		
WB-13	09/09/08		35		460		20 U		2500		41						20 U		
WB-13	10/07/08	6.5 U	11.8 U	49.4	156	10 UJ	10 UJ	2540	2540	19.5	20.1					40 U	40 U	2500	2480
WB-13	10/07/08	6.1 U	11.5 U	54.7	156	10 UJ	10 UJ	2430	2550	18.3	20.3					40 U	40 U	2410	2480
WB-13	11/19/08		120 U		610		60 U		1800		60 U						60 U		1500 U
WB-13	11/19/08		120 U		660		60 U		1900		60 U						60 U		1500 U
WB-13	12/16/08	17.5 J	28.2	121 J	740	10 U	10 U	1250 J	1450 J	17.3 J	51.8 J					40 U	40 U	1220 J	1240 J
WB-13	12/16/08	17.2 J	28.3	116 J	692	10 U	10 U	1240 J	1480 J	16.6 J	51.4 J					40 U	40 U	1200 J	1240 J
WB-13	02/10/09		20 U		980		20 U		2100		38						20 U		
WB-13	03/17/09		100		1100		20 U		1800		44						20 U		1500
WB-13	03/17/09		100		1000		20 U		1800		43						20 U		1600
WB-13	04/09/09	16.4 J	26.8	123	355	10 U	10 U	1120 J	1210 J	19.9	39.2					40 U	40 U	1120 J	957 J
WB-13	04/09/09	16.6 J	27	129	387	1.8 J	10 U	1150 J	1200 J	16.1	42.4					40 U	40 U	1080 J	1100 J
WB-13	05/12/09		20 U		240		20 U		1600		23						20 U		1500
WB-13	05/12/09		20 U		230		20 U		1500		22						20 U		1400

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
WB-12	12/08/09	35 U	35 U	10 U	10 U	3650 J	3460 J			12000	25 U	25 U	50 U	50 U	6.2 J	10.2 J
WB-12	03/09/10		20 U		10 U		4000			15000		20 U		10 U		20 U
WB-12	04/06/10	35 U	35 U	10 U	10 U	3250 J	3330 J				25 U	25 U	50 U	50 U	2.6 J	4.5 J
WB-12	05/04/10		200 U		30 U		5000 U			12000		200 U		30 U		30 U
WB-12	06/08/10	220 U	200 U	34 U	30 U	5600 U	5300			16000	220 U	400 U	34 U	30 U	170 U	30 U
WB-12	08/17/10	45 U	40 U	11 U	10 U	4600	4900			19000	22 U	20 U	11 U	10 U	22 U	20 U
WB-12	09/08/10		20 U		10 U		10000			120000		20 U		10 U		20 U
WB-12	10/05/10	22 U	20 U	11 U	10 U	4600	4700			18000	22 U	20 U	11 U	10 U	22 U	20 U
WB-12	11/03/10		20 U		10 U		3400			24000		20 U		10 U		20 U
WB-12	12/07/10	22 U	20 U	11 U	10 U	3000	3000			11000	45 U	40 U	11 U	10 U	22 U	20 U
WB-12	04/05/11	22 U	20 U	11 U	10 U	5600	5400			21000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	06/07/11	22 U	40 U	11 U	10 U	5800	5900			23000	22 U	20 U	56 U	50 U	22 U	20 U
WB-12	08/15/11	45 U	20 U	11 U	10 U	2300	2600			360000	22 U	40 U	56 U	50 U	1600	1700
WB-12	08/16/11	45 U	20 U	11 U	10 U	7500	4000			21000	22 U	40 U	56 U	50 U	22 U	44
WB-12	08/29/11	0.51 U	0.51 U	0.11 ^ U	0.11 ^ U	2000 B	1800	56 ^ B	60 ^	4000	0.1 U	0.1 U	1.5 J	3.6 J	1.9 J ^	7.1 ^
WB-12	09/07/11	22 U	20 U	11 U	10 U	3700	4000			14000	22 U	20 U	22 U	20 U	22 U	30
WB-12	10/04/11	22 U	20 U	11 U	10 U	3900	4000			18000	22 U	20 U	56 U	50 U	22 U	20 U
WB-12	12/12/11	22 U	20 U	11 U	10 U	4100	3900			32000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	04/11/12	45 U	40 U	11 U	10 U	3900	3900			10000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	06/04/12	22 U	20 U	11 U	10 U	4100	4400			11000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	08/14/12	45 U	40 U	11 U	10 U	8700	9100			21000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	10/10/12	22 U	40 U	11 U	10 U	6500	6600			18000	22 U	40 U	22 U	20 U	22 U	20 U
WB-12	12/04/12	22 U	20 U	11 U	10 U	3900	3800			14280	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	03/27/13	45 U	40 U	11 U	10 U	1100 U	1000 U			12000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	06/11/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	34
WB-12	08/13/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
WB-12	10/23/13	45 U	40 U	11 U	10 U	1100 U	1000 U			13000	22 U	20 U	22 U	20 U	22 U	20 U
WB-12	12/03/13	45 U	40 U	11 U	10 U	1100 U	1000 U			11000	22 U	20 U	22 U	20 U	22 U	20 U
WB-13	10/04/05	35 U	35 U	10 UJ	10 UJ	10100	10100			51000	25 U	25 U	50 U	50 U	4.7 J	5.5 J
WB-13	12/06/05	35 UJ	35 UJ	1.6 J	1.3 J	2990 J	3010 J			13000	25 UJ	25 UJ	50 UJ	1.3 J	10.2 J	17.9 J
WB-13	02/14/06	35 U	35 U	10 UJ	10 U	2720	2820			14000	25 U	25 U	50 U	50 U	11.5	13.6
WB-13	04/03/06	35 U	35 U	10 UJ	10 UJ	2910	2950			14000	25 U	25 U	50 U	50 U	5.5	9.4
WB-13	04/03/06	35 U	35 U	10 UJ	10 UJ	2820	2880				25 U	25 U	50 U	50 U	4.7	9.4
WB-13	08/08/06	35 U	35 U	R	R	5990	6050			18000	25 U	25 U	50 U	50 U	2.1 J	8.4
WB-13	08/08/06	35 U	35 U	R	R	5850	5950			18000	25 U	25 U	50 U	50 U	3.4	9.6
WB-13	10/16/06	35 U	35 U	10 U	10 U	5240	5190			26000	25 U	25 U	50 U	50 U	5.9	18.8
WB-13	10/16/06	35 U	35 U	10 U	10 U	5120	5340			28000	25 U	25 U	50 U	50 U	4.1	14.1
WB-13	07/16/07	35 U	35 U	10 U	10 U	5730	5720			24000	25 U	25 U	50 U	50 U	3.6 U	4.1 U
WB-13	10/02/07	35 UJ	35 UJ	10 U	10 U	7270	7230			52000	25 U	25 U	50 U	50 U	60 U	10.9
WB-13	10/02/07	35 UJ	35 UJ	10 U	10 U	6870	6900			52000	25 U	25 U	50 U	50 U	60 U	8.8
WB-13	02/14/08		20 U		10 U		4700					40 U		10 U		20 U
WB-13	03/12/08		20 U		10 U		3700					40 U		10 U		22
WB-13	04/08/08	35 U	35 U	10 UJ	10 UJ	3750	3780			14000	25 U	25 U	50 U	1.5	14.6	28.9
WB-13	04/08/08	35 U	35 U	10 UJ	10 UJ	3640	3840			13000	25 U	25 U	50 U	1.6	13.1	27.3
WB-13	05/20/08		35 U		10 UJ		4700					25 U		0.49 J		23
WB-13	05/20/08		35 U		10 UJ		4890					25 U		50 U		5.8
WB-13	06/10/08		20 U		10 U		6500					20 U		10 U		20 U
WB-13	06/10/08		20 U		10 U		6500					20 U		10 U		20 U
WB-13	07/23/08	35 UJ	35 UJ	10 U	10 U	5210	5390			14000	25 U	25 U	0.73	0.55 J	8.4 U	9.1
WB-13	07/23/08	35 UJ	35 UJ	10 U	10 U	5210	5440			14000	25 U	25 U	0.43 J	50 U	8.5 U	6.2 U
WB-13	08/18/08		20 U		10 U		5800			15000		20 U		10 U		20 U
WB-13	08/18/08		20 U		10 U		5700			15000		20 U		10 U		20 U
WB-13	09/09/08		20 U		10 U					20000		20 U		10 U		20 U
WB-13	09/09/08		20 U		10 U					21000		20 U		10 U		20 U
WB-13	10/07/08	35 U	35 U	10 UJ	10 UJ	6480	6430			18000	25 U	25 U	50 U	50 U	9.9 U	6 U
WB-13	10/07/08	35 U	35 U	10 UJ	10 UJ	6310	6410			18000	25 U	25 U	50 U	50 U	5.7 U	6.3 U
WB-13	11/19/08		120 U		30 U		3600			12000		60 U		30 U		60 U
WB-13	11/19/08		120 U		30 U		3600			13000		60 U		30 U		60 U
WB-13	12/16/08	35 U	35 U	10 U	10 U	2220 J	2120 J			10000	25 U	25 U	50 U	50 U	8.1 J	11.5 J
WB-13	12/16/08	35 U	35 U	10 U	10 U	2170 J	2180 J			10000	25 U	25 U	50 U	50 U	7.1 J	13.1 J
WB-13	02/10/09		20 U		10 U					18000		20 U		10 U		20 U
WB-13	03/17/09		20 U		10 U		4500			15000		20 U		10 U		28
WB-13	03/17/09		20 U		10 U		4500			15000		20 U		10 U		27
WB-13	04/09/09	35 U	35 U	10 U	10 U	2680 J	2530 J			8700	25 U	25 U	50 U	4 J	6.8 J	9 J
WB-13	04/09/09	35 U	35 U	10 U	10 U	2680 J	2490 J			8700	25 U	25 U	3.2 J	5.7 J	8.6 J	96.1
WB-13	05/12/09		20 U		10 U		4300			9100		20 U		10 U		20 U
WB-13	05/12/09		20 U		10 U		4200			9100		20 U		10 U		23

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
WB-13	06/10/09		170		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-13	06/10/09		160		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-13	07/28/09	200 UJ	102 J	60 U	60 U	10 U	10 U	18.3 J	19.3 J	5 U	5 U	5 U	5 U	36000	35800	10 U	10 U	0.69 J	50 U
WB-13	07/28/09	200 UJ	96.5 J	60 U	60 U	10 U	10 U	18.2 J	18.7 J	5 U	5 U	5 U	5 U	35800	35400	10 U	10 U	0.59 J	0.34 J
WB-13	08/11/09		240		20 U		20 U		21		8 U		10 U		36000		20 U		20 U
WB-13	08/11/09		260		20 U		20 U		21		8 U		10 U		37000		20 U		20 U
WB-13	09/08/09		110 U		20 U		20 U		23		8 U		10 U		46000		20 U		20 U
WB-13	09/08/09		110 U		20 U		20 U		23		8 U		10 U		46000		20 U		20 U
WB-13	10/15/09	200 U	200 U	60 U	60 U	10 U	10 U	20.4 J	19.8 J	5 U	5 U	5 U	5 U	42800	41000	10 U	10 U	1.7 J	1 J
WB-13	10/15/09	200 U	200 U	60 U	60 U	10 U	10 U	20.3 J	20.4 J	5 U	5 U	5 U	5 U	42100	42900	10 U	10 U	1.7 J	0.84 J
WB-13	11/10/09		110 U		20 U		20 U		20 U		8 U		10 U		38000		20 U		20 U
WB-13	12/08/09	200 U	102 J	60 U	60 U	10 U	10 U	14.8 J	15.8 J	5 U	0.34 J	5 U	5 U	32400	32400	10 U	10 U	0.9 J	0.38 J
WB-13	12/08/09	200 U	99.6 J	60 U	60 U	10 U	10 U	14.6 J	15.4 J	5 U	5 U	5 U	5 U	32300	31700	10 U	10 U	0.8 J	0.53 J
WB-13	03/09/10		160		20 U		20 U		20 U		8 U		10 U		31000		20 U		20 U
WB-13	03/09/10		220 U		20 U		20 U		20 U		8 U		10 U		27000		20 U		20 U
WB-13	04/06/10	200 U	170 J	60 U	60 U	10 U	10 U	14.3 J	17.5 J	5 U	5 U	5 U	5 U	27400	29500	10 U	10 U	0.48 J	0.55 J
WB-13	04/06/10	200 U	140 J	60 U	60 U	10 U	10 U	15.4 J	15.5 J	5 U	5 U	5 U	5 U	28300	27600	10 U	10 U	0.56 J	0.69 J
WB-13	05/04/10		200 U		100 U		400 U		30 U		10 U		30 U		34000		30 U		30 U
WB-13	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	42000	41000	34 U	30 U	34 U	30 U
WB-13	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	42000	41000	34 U	30 U	34 U	30 U
WB-13	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	41000	42000	22 U	20 U	22 U	20 U
WB-13	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	40000	42000	22 U	20 U	22 U	20 U
WB-13	09/08/10		110 U		20 U		20 U		27		8 U		10 U		60000		20 U		20 U
WB-13	09/08/10		110 U		20 U		20 U		26		8 U		10 U		59000		20 U		20 U
WB-13	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	36000	22 U	20 U	22 U	20 U
WB-13	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	34000	36000	22 U	20 U	22 U	20 U
WB-13	11/03/10		110 U		20 U		20 U		20 U		8 U		10 U		34000		20 U		20 U
WB-13	11/03/10		110 U		20 U		20 U		20 U		8 U		10 U		33000		20 U		20 U
WB-13	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	28000	30000	22 U	20 U	22 U	20 U
WB-13	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	28000	29000	22 U	20 U	22 U	20 U
WB-14	10/04/05	17.3 U	34.7 U	60 U	60 U	10 U	10 U	20.3	21.7	5 UJ	5 UJ	5 U	5 U	53900	53900	10 U	10 U	1.1 J	50 U
WB-14	12/06/05	25 UJ	164 J	60 UJ	60 UJ	10 UJ	10 UJ	12.7 J	13.6 J	5 UJ	5 UJ	5 UJ	5 UJ	29400 J	29300 J	10 UJ	10 UJ	2.3 J	1.7 J
WB-14	02/14/06	19.9	176	60 U	60 U	10 UJ	10 U	10.9	11.7	5 U	5 U	5 U	0.28 J	27600	27600	10 U	10 U	1 J	1 J
WB-14	04/03/06	19 J	207	60 U	60 U	10 U	10 U	12.2	13.8	5 U	5 U	5 U	5 U	25300	25500	10 U	0.42 J	1.8	50 U
WB-14	08/08/06	56.5 U	110	60 U	60 U	10 U	10 U	20.4	20.8	5 U	5 U	5 U	5 U	39900	39400	10 U	10 U	50 U	50 U
WB-14	10/16/06	24.9 J	76.8	60 U	60 U	10 U	10 U	16.5	17.1	5 UJ	5 UJ	5 U	5 U	37700	37700	10 U	10 U	50 U	50 U
WB-14	04/10/07	31.9 UJ	203 U	60 U	60 U	10 U	10 U	10.7	11.9	5 UJ	5 UJ	5 U	5 U	26400	26500	10 U	10 U	1.6	1.3
WB-14	04/10/07	32.4 UJ	221 U	60 U	60 U	10 U	10 U	10	11.9	5 UJ	5 UJ	5 U	5 U	25300	26500	10 U	10 U	1.4	1.3
WB-14	07/16/07	12.9 J	58.9	60 U	60 U	10 UJ	10 UJ	17.1	18.2	5 U	0.15 U	5 U	5 U	41100	40900	10 U	10 U	1.7	50 U
WB-14	08/16/07	100 U	32 UJ	0.06 UJ	0.07 UJ	0.11 J	0.12 J	20.4	19.3	0.5 U	0.5 U	0.06 UJ	0.03 UJ	45000	45000	0.42 J	0.34 UJ	0.22 J	0.36 J
WB-14	10/02/07	28.7 J	48.7	60 U	60 U	10 U	10 U	20.3	21.7	5 U	5 U	5 U	5 U	50300	47300	10 U	10 U	50 UJ	50 UJ
WB-14	10/25/07																		
WB-14	11/08/07		220 U		10 U		20 U		20 U		8 U		10 U		28000		20 U		20 U
WB-14	12/04/07	14.3 J	51.5	60 U	60 U	10 UJ	10 UJ	11.6	11.5	5 U	5 U	5 UJ	5 UJ	29400	27700	10 U	10 U	50 U	50 U
WB-14	04/08/08	28.9	954	60 U	60 U	10 U	10 U	8.9	14.2	5 U	5 U	5 U	5 U	20600	20800	10 U	1.3	1.9	1.9
WB-14	05/20/08		63.3		60 U		10 U		15.8		5 U		5 U		32300		10 U		50 U
WB-14	06/10/08		110 U		20 U		20 U		20 U		8 U		10 U		36000		20 U		20 U
WB-14	07/23/08	44.7 UJ	103 U	60 U	60 U	10 U	10 U	20.2	19.9	5 U	5 U	5 U	5 U	38800	36900	10 U	0.91 U	50 U	50 U
WB-14	08/18/08		110 U		20 U		20 U		20 U		8 U		10 U		36000		20 U		20 U
WB-14	09/09/08		240		20 U		20 U		21		8 U		10 U		41000		20 U		20 U
WB-14	10/07/08	200 U	200 U	60 U	60 U	10 U	10 U	19	19.3	5 U	5 U	5 UJ	5 UJ	43000	44100	10 U	10 U	50 U	50 U
WB-14	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		31000		60 U		60 U
WB-14	12/16/08	200 UJ	382	60 U	60 U	10 U	10 U	200 U	13.4 J	5 UJ	5 UJ	5 U	5 U	20600	20800	10 U	10 U	1.4 J	0.63 J
WB-14	03/17/09		430		20 U		20 U		20 U		8 U		10 U		25000		20 U		20 U
WB-14	04/09/09	13.8 J	157 J	60 U	60 U	10 U	10 U	9.8 J	11.7 J	5 U	0.32 J	5 U	5 U	21100	21800	10 U	10 U	1.5 J	0.76 J
WB-14	05/12/09		120		20 U		20 U		20 U		8 U		10 U		29000		20 U		20 U
WB-14	06/10/09		160		20 U		20 U		20 U		8 U		10 U		32000		20 U		20 U
WB-14	07/28/09	16.3 J	71.6 J	60 U	60 U	10 U	10 U	17.5 J	18.1 J	5 U	5 U	5 U	5 U	34200	33500	10 U	10 U	0.8 J	0.26 J
WB-14	08/11/09		230		20 U		20 U		20		8 U		10 U		34000		20 U		20 U
WB-14	09/08/09		110 U		20 U		20 U		23		8 U		10 U		44000		20 U		20 U
WB-14	10/15/09	200 U	200 U	60 U	60 U	10 U	10 U	19.1 J	19.1 J	5 U	5 U	5 U	5 U	38800	38400	10 U	10 U	2.6 J	0.76 J
WB-14	11/10/09		110 U		20 U		20 U		20 U		8 U		10 U		36000		20 U		20 U
WB-14	12/08/09	200 U	97.5 J	60 U	60 U	10 U	10 U	13.9 J	14.9 J	5 U	5 U	5 U	5 U	29700	30500	10 U	10 U	0.68 J	50 U
WB-14	04/06/10	200 U	164 J	60 U	60 U	10 U	10 U	15.5 J	15.7 J	5 U	5 U	5 U	5 U	28600	27100	10 U	10 U	2.1 J	0.54 J
WB-14	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	41000	40000	34 U	30 U	34 U	30 U
WB-14	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	40000	41000	22 U	20 U	22 U	20 U
WB-14	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	34000	22 U	20 U	22 U	20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
WB-13	06/10/09		21		230		20 U		1800		27						20 U		1600
WB-13	06/10/09		22		220		20 U		1800		27						20 U		1500
WB-13	07/28/09	11.6 J	20.2 J	100 UJ	148	10 U	10 U	1720 J	1740 J	17.4	29.3					40 U	40 U	1890 J	1860 J
WB-13	07/28/09	12.2 J	19.3 J	100 UJ	146	10 U	10 U	1730 J	1700 J	17.1	28.1					40 U	40 U	1820 J	1860 J
WB-13	08/11/09		40 U		270		20 U		1800		38						20 U		2000
WB-13	08/11/09		40 U		290		20 U		1800		40						20 U		2000
WB-13	09/08/09		20 U		180		20 U		2600		20 U						20 U		2500
WB-13	09/08/09		20 U		190		20 U		2500		20 U						20 U		2500
WB-13	10/15/09	25 U	37.3	100 U	157	10 U	10 U	2410 J	2270 J	25.3	25.4					40 U	40 U	2410 J	2310 J
WB-13	10/15/09	25 U	39.6	100 U	164	10 U	10 U	2340 J	2400 J	24.8	25.7					40 U	40 U	2370 J	2430 J
WB-13	11/10/09		40 U		170		20 U		1900		20						20 U		2000
WB-13	12/08/09	8.6 J	26.9	99.3 J	448	10 U	10 U	1700 J	1800 J	20.6	28.9					40 U	40 U	1570 J	1590 J
WB-13	12/08/09	9.4 J	26.2	88.6 J	464	10 U	10 U	1720 J	1750 J	23.8	27.8					40 U	40 U	1610 J	1580 J
WB-13	03/09/10		40 U		590		20 U		1800		36						20 U		1900
WB-13	03/09/10		40 U		500		20 U		1600		28						20 U		1400
WB-13	04/06/10	5.2 J	10.8 J	258	539	10 U	10 U	1540 J	1660 J	16.9	29.4					40 U	40 U	1500 J	1620 J
WB-13	04/06/10	5.1 J	10.4 J	252	492	10 U	10 U	1490 J	1560 J	12 J	28.8					40 U	40 U	1580 J	1500 J
WB-13	05/04/10		30 U		150		100 U		1600		20 U						60 U		5000 U
WB-13	06/08/10	34 U	30 U	110 U	130	1100 U	200 U	2000	2000	22 U	40 U					67 U	120 U	5600 U	5000 U
WB-13	06/08/10	34 U	30 U	110 U	130	1100 U	200 U	2000	1900	22 U	40 U					67 U	120 U	5600 U	5000 U
WB-13	08/17/10	22 U	20 U	45 U	87	22 U	20 U	2200	2300	22 U	20 U					22 U	20 U	2200	2400
WB-13	08/17/10	22 U	20 U	45 U	67	22 U	20 U	2100	2300	22 U	20 U					22 U	20 U	2200	2300
WB-13	09/08/10		20 U		110		40 U		5300		20 U						20 U		3700
WB-13	09/08/10		20 U		120		40 U		5200		20 U						20 U		3500
WB-13	10/05/10	22 U	20 U	45 U	84	22 U	20 U	1600	1800	22 U	20 U					22 U	20 U	2000	2200
WB-13	10/05/10	22 U	20 U	59	40 U	22 U	20 U	1700	1700	22 U	20 U					22 U	20 U	2000	2200
WB-13	11/03/10		20 U		120		40 U		1800		20 U						20 U		1700
WB-13	11/03/10		20 U		92		40 U		1800		20 U						20 U		1700
WB-13	12/07/10	22 U	20 U	150	300	22 U	20 U	1500	1600	22 U	21					22 U	20 U	1400	1500
WB-13	12/07/10	22 U	20 U	160	300	22 U	20 U	1500	1500	22 U	20					22 U	20 U	1400	1400
WB-14	10/04/05	25 U	3.1	74.8	1420	10 U	10 U	4180	4200	36.9	37.8	0.2 U	0.2 U			40 U	40 U	3440	3480
WB-14	12/06/05	16.2 J	48.6 J	165 J	703 J	10 UJ	10 UJ	1610 J	1640 J	19.8 J	23.9 J	0.2 UJ	0.2 UJ			40 UJ	40 UJ	1560 J	1560 J
WB-14	02/14/06	5.5	43.9	53.8	989	10 U	10 U	1510	1530	17.5	23.2	0.2 U	0.2 U			40 U	40 U	1400	1420
WB-14	04/03/06	6.5	23.2	175	822	10 U	10 U	1430	1500	20.7	31	0.2 UJ	0.2 UJ			40 U	40 U	1380	1380
WB-14	08/08/06	3.2	16.8	49 J	954 J	10 U	10 U	2220	2190	15.7	22.4	0.2 U	0.2 U			40 U	40 U	2350	2380
WB-14	10/16/06	2.4 J	19.5	26.6	2270	10 UJ	10 UJ	2490	2470	38.8	39.3	0.031 UJ	0.041 UJ			40 U	40 U	2240	2360
WB-14	04/10/07	0.9 J	38.7	60.6	1200	10 UJ	10 U	1410	1460	23.2	31.1	0.2 U	0.2 U			40 U	1.5 J	1320	1340
WB-14	04/10/07	25 UJ	38.4	76.7	1230	10 UJ	10 U	1400	1480	22.8	32.4	0.2 U	0.2 U			40 U	1.2 J	1300	1360
WB-14	07/16/07	25 UJ	25 UJ	100 U	1600	10 U	10 U	2540	2550	25.9	31.7	0.2 U	0.2 U			40 U	40 U	2350	2270
WB-14	08/16/07	2.2	1.7	60	780	0.04 UJ	0.07 UJ	4200	4300	21.8	26.2	0.2 U	0.2 U	0.35 UJ	0.81 UJ	0.8	0.9	3300	3300
WB-14	10/02/07	25 UJ	1.8 J	9.9 U	3100 J	10 U	10 U	4240	4110	60.5 J	66.2 J	0.2 U	0.2 U			40 U	40 U	2970	3020
WB-14	10/25/07			50 U	2300														
WB-14	11/08/07		44		1100		20 U		1800		30						20 U		1700
WB-14	12/04/07	3.8	20.2	68.2	763	10 UJ	10 UJ	1660	1580	26	26.4	0.2 U	0.2 U			40 U	40 U	1480	1430
WB-14	04/08/08	19.1	78.4	151	1600	10 U	10 U	1230	1590	20.2	76.8	0.2 U	0.2 U			40 U	1.4	1210	1330
WB-14	05/20/08		12.2		840		10 U		1780		28.4						40 U		1740
WB-14	06/10/08		20 U		570		20 U		2200		23						20 U		2100
WB-14	07/23/08	3.1 U	7.2	146 J	836 J	10 U	10 U	2070	2040	20.5	34.4	0.11 J	0.11 J			40 U	40 U	2000	1990
WB-14	08/18/08		31		150		20 U		2000		20 U						20 U		2000
WB-14	09/09/08		32		380		20 U		2500		29						20 U		
WB-14	10/07/08	5.8 U	10.1 U	56.7	141	10 UJ	10 UJ	2420	2490	15.2	16.4					40 U	40 U	2400	2450
WB-14	11/19/08		120 U		520		60 U		1700		60 U						60 U		1500 U
WB-14	12/16/08	14.7 J	24.3 J	103 J	595	10 U	10 U	1190 J	1360 J	14.9 J	50.7 J					40 U	40 U	1170 J	1200 J
WB-14	03/17/09		79		860		20 U		1600		40						20 U		1500
WB-14	04/09/09	15.8 J	24.5 J	137	313	1.4 J	10 U	1090 J	1150 J	14 J	35.8					40 U	40 U	1080 J	1100 J
WB-14	05/12/09		20 U		210		20 U		1500		24						20 U		1400
WB-14	06/10/09		20 U		210		20 U		1800		24						20 U		1500
WB-14	07/28/09	9.5 J	15.7 J	9.7 J	119	10 U	10 U	1690 J	1640 J	13.8 J	23.7					40 U	40 U	1840 J	1800 J
WB-14	08/11/09		40 U		260		20 U		1700		35						20 U		1900
WB-14	09/08/09		20 U		180		20 U		2400		20 U						20 U		2500
WB-14	10/15/09	25 U	34.1	100 U	137	10 U	10 U	2220 J	2190 J	22.8	20.6					40 U	40 U	2280 J	2310 J
WB-14	11/10/09		40 U		150		20 U		1800		20 U						20 U		2000
WB-14	12/08/09	9.5 J	24.5 J	105	421	10 U	10 U	1700 J	1760 J	20.1	25.9					40 U	40 U	1510 J	1550 J
WB-14	04/06/10	4.9 J	11 J	235 U	483	10 U	10 U	1560 J	1600 J	20.1	26.9					40 U	40 U	1600 J	1520 J
WB-14	06/08/10	34 U	30 U	110 U	130	1100 U	200 U	2000	1900	22 U	40 U					67 U	120 U	5600 U	5000 U
WB-14	08/17/10	22 U	20 U	45 U	84	22 U	20 U	2100	2200	22 U	20 U					22 U	20 U	2200	2300
WB-14	10/05/10	22 U	20 U	71	84	22 U	20 U	1600	1700	22 U	20 U					22 U	20 U	2000	2200

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
WB-13	06/10/09		20 U		10 U		4300			12000		20 U		10 U		20 U
WB-13	06/10/09		20 U		10 U		4200			12000		20 U		10 U		20 U
WB-13	07/28/09	35 U	35 U	10 U	10 U	4880 J	4870 J			12000	25 U	25 U	50 U	50 U	4.8 J	11.6 J
WB-13	07/28/09	35 U	35 U	10 U	10 U	4840 J	4840 J			12000	25 U	25 U	50 U	50 U	4.7 J	7.4 J
WB-13	08/11/09		20 U		10 U		4200			11000		20 U		10 U		20 U
WB-13	08/11/09		20 U		10 U		4200			11000		20 U		10 U		20 U
WB-13	09/08/09		20 U		10 U		8000			22000		20 U		10 U		20 U
WB-13	09/08/09		20 U		10 U		8000			22000		20 U		10 U		20 U
WB-13	10/15/09	35 U	35 U	10 U	10 U	5650	5470			18000	25 U	25 U	50 U	50 U	10.7 J	13 J
WB-13	10/15/09	3.3 J	35 U	10 U	10 U	5590	5750			18000	25 U	25 U	50 U	50 U	10.3 J	13.4 J
WB-13	11/10/09		20 U		10 U		4500			15000		20 U		50 U		20 U
WB-13	12/08/09	35 U	35 U	10 U	10 U	2910 J	2930 J			11000	25 U	25 U	50 U	50 U	5.9 J	8.1 J
WB-13	12/08/09	35 U	35 U	10 U	10 U	2960 J	2890 J			11000	25 U	25 U	50 U	50 U	5.3 J	7.7 J
WB-13	03/09/10		20 U		10 U		3700			13000		20 U		10 U		20 U
WB-13	03/09/10		20 U		10 U		3300			13000		20 U		10 U		35
WB-13	04/06/10	35 U	35 U	10 U	10 U	2960 J	3170 J				25 U	25 U	50 U	17.7 J	2.5 J	4.4 J
WB-13	04/06/10	35 U	35 U	10 U	10 U	3010 J	2970 J				25 U	25 U	50 U	50 U	2.9 J	3.6 J
WB-13	05/04/10		200 U		30 U		5000 U			11000		200 U		30 U		30 U
WB-13	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			14000	220 U	400 U	34 U	30 U	170 U	30 U
WB-13	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			14000	220 U	400 U	34 U	30 U	170 U	30 U
WB-13	08/17/10	45 U	40 U	11 U	10 U	4800	5000			16000	22 U	20 U	11 U	10 U	22 U	20 U
WB-13	08/17/10	45 U	40 U	11 U	10 U	4700	4900			17000	22 U	20 U	11 U	10 U	22 U	20 U
WB-13	09/08/10		20 U		10 U		9900			60000		20 U		10 U		20 U
WB-13	09/08/10		20 U		10 U		9600			60000		20 U		10 U		20 U
WB-13	10/05/10	22 U	20 U	11 U	10 U	4100	4400			16000	22 U	20 U	11 U	10 U	22 U	20 U
WB-13	10/05/10	22 U	20 U	11 U	10 U	4000	4400			15000	22 U	20 U	11 U	10 U	22 U	20 U
WB-13	11/03/10		20 U		10 U		3200			21000		20 U		10 U		20 U
WB-13	11/03/10		20 U		10 U		3200			21000		20 U		10 U		20 U
WB-13	12/07/10	22 U	20 U	11 U	10 U	2600	2700			9900	45 U	40 U	11 U	10 U	22 U	20 U
WB-13	12/07/10	22 U	20 U	11 U	10 U	2600	2700			10000	45 U	40 U	11 U	10 U	22 U	20 U
WB-14	10/04/05	35 U	35 U	10 UJ	10 UJ	9960	9550			46000	25 U	25 U	50 U	50 U	3 J	3.6 J
WB-14	12/06/05	8.7 UJ	35 UJ	10 UJ	10 UJ	2990 J	2630 J			13000	25 UJ	25 UJ	50 UJ	50 UJ	9.7 J	14.1 J
WB-14	02/14/06	35 U	35 U	10 UJ	10 U	2720	2750			13000	25 U	25 U	50 U	50 U	6.4	14.1
WB-14	04/03/06	35 U	35 U	10 UJ	10 UJ	2770	2640			13000	25 U	25 U	0.64 UJ	50 U	6.3	8.8
WB-14	08/08/06	35 U	35 U	R	R	5810	5790			17000	25 U	25 U	50 U	50 U	1.8 J	7.6
WB-14	10/16/06	35 U	35 U	10 U	10 U	4770	5090			24000	25 U	25 U	50 U	50 U	4.7	11
WB-14	04/10/07	35 U	35 UJ	10 U	10 U	2960	2870			14000	25 U	25 U	50 U	50 U	7.5	14.6
WB-14	04/10/07	35 U	35 UJ	10 U	10 U	2880	2910			14000	25 U	25 U	50 U	50 U	6.9	14.3
WB-14	07/16/07	35 U	10.7 UJ	10 U	10 U	5770	5450			24000	25 U	3.9 J	50 U	50 U	2.9 U	4.8 U
WB-14	08/16/07	0.5 J	0.6 J	0.5 U	0.5 U	9100	9200	210	212	55000	0.5 U	0.03 UJ	0.5 U	0.13 UJ	3.19 J	7.5
WB-14	10/02/07	35 UJ	35 UJ	10 U	10 U	6830	6530			50000	25 U	25 U	50 U	50 U	1.7 J	5.4
WB-14	10/25/07									24000						
WB-14	11/08/07		20 U		10 U		3400					20 U		10 U		20 U
WB-14	12/04/07	35 U	35 U	10 U	10 U	2460	2440			14000	25 U	6 J	50 U	50 U	12.2	12.9
WB-14	04/08/08	35 U	35 U	10 UJ	10 UJ	2790	3290			12000	25 U	25 U	50 U	2	13.1	26.5
WB-14	05/20/08		35 U		10 UJ		4590					25 U		50 U		5.3
WB-14	06/10/08		20 U		10 U		6300					20 U		10 U		20 U
WB-14	07/23/08	35 UJ	35 UJ	10 U	10 U	5240	5170			14000	25 U	25 U	0.47 J	0.63	2.6 UJ	6.8 U
WB-14	08/18/08		20 U		10 U		5500			15000		20 U		10 U		20 U
WB-14	09/09/08		20 U		10 U					21000		20 U		10 U		20 U
WB-14	10/07/08	35 U	35 U	10 UJ	10 UJ	6160	6210			16000	25 U	25 U	50 U	50 U	6.8 U	6 U
WB-14	11/19/08		120 U		30 U		3400			12000		60 U		30 U		60 U
WB-14	12/16/08	35 U	35 U	10 U	10 U	2170 J	2190 J			10000	25 U	25 U	50 U	50 U	12.8 J	10.2 J
WB-14	03/17/09		20 U		10 U		4000			13000		20 U		10 U		22
WB-14	04/09/09	35 U	35 U	10 U	10 U	2400 J	2390 J			8400	25 U	25 U	50 U	3 J	16.6 J	8.9 J
WB-14	05/12/09		20 U		10 U		4000			9000		20 U		10 U		20 U
WB-14	06/10/09		20 U		10 U		4100			11000		20 U		10 U		20 U
WB-14	07/28/09	35 U	35 U	10 U	10 U	4730 J	4670 J			11000	25 U	25 U	50 U	50 U	5.5 J	6.3 J
WB-14	08/11/09		20 U		10 U		4000			11000		20 U		10 U		20 U
WB-14	09/08/09		20 U		10 U		7600			21000		20 U		10 U		20 U
WB-14	10/15/09	35 U	35 U	10 U	10 U	5300	5310			16000	25 U	25 U	50 U	50 U	10.4 J	13.4 J
WB-14	11/10/09		20 U		10 U		4300			14000		20 U		50 U		20 U
WB-14	12/08/09	35 U	35 U	10 U	10 U	2750 J	2820 J			11000	25 U	25 U	50 U	50 U	5.1 J	7.9 J
WB-14	04/06/10	35 U	35 U	10 U	10 U	3060 J	2860 J				25 U	25 U	50 U	50 U	2.9 J	4 J
WB-14	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			14000	220 U	400 U	34 U	30 U	170 U	30 U
WB-14	08/17/10	45 U	40 U	11 U	10 U	4700	4800			16000	22 U	20 U	11 U	10 U	22 U	20 U
WB-14	10/05/10	22 U	20 U	11 U	10 U	3900	4200			16000	22 U	20 U	11 U	10 U	22 U	20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Aluminum D UG/L	Aluminum T UG/L	Antimony D UG/L	Antimony T UG/L	Arsenic D UG/L	Arsenic T UG/L	Barium D UG/L	Barium T UG/L	Beryllium D UG/L	Beryllium T UG/L	Cadmium D UG/L	Cadmium T UG/L	Calcium D UG/L	Calcium T UG/L	Chromium D UG/L	Chromium T UG/L	Cobalt D UG/L	Cobalt T UG/L
Cleanup Level												1.13	1.13						
WB-14	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	26000	28000	22 U	20 U	22 U	20 U
WB-14	08/29/11	40	3200	0.46 U	0.46 U	0.29 U	0.29 U	12 ^	38 ^	0.045 U	0.13 J	0.13 ^ U	0.13 U	22000 B	24000	1.2 J	6.6	0.18 J ^	2.3 ^ B
WB-15	10/02/07	21.8 J	25.4 J	60 U	60 U	10 U	10 U	19.9	19.7	5 U	5 U	5 U	5 U	48700	47200	10 U	10 U	1.1 J	50 UJ
WB-15	07/23/08	41.7 UJ	80.5 U	60 U	60 U	10 U	10 U	17.7	19.4	5 U	5 U	5 U	5 U	35800	36500	0.43 UJ	0.41 UJ	50 U	50 U
WB-15	08/18/08		110 U		20 U		20 U		20 U		8 U		10 U		36000		20 U		20 U
WB-15	09/09/08		160		20 U		20 U		21		8 U		10 U		41000		20 U		20 U
WB-15	10/07/08	200 U	200 U	60 U	60 U	10 U	10 U	18.5	18.5	5 U	5 U	5 UJ	5 UJ	42100	42000	10 U	10 U	50 U	50 U
WB-15	11/19/08		330 U		30 U		60 U		60 U		24 U		30 U		30000		60 U		60 U
WB-15	12/16/08	200 UJ	427	60 U	60 U	10 U	10 U	200 U	13.2 J	5 UJ	5 UJ	5 U	5 U	19700	19900	10 U	10 U	3.4 J	0.53 J
WB-15	03/17/09		410		20 U		20 U		20 U		8 U		10 U		26000		20 U		20 U
WB-15	04/09/09	200 UJ	188 J	60 U	60 U	10 U	10 U	10.9 J	12 J	5 U	5 U	5 U	5 U	21200	21800	10 U	10 U	5.9 J	0.77 J
WB-15	05/12/09		120		20 U		20 U		20 U		8 U		10 U		30000		20 U		20 U
WB-15	06/10/09		110		20 U		20 U		20 U		8 U		10 U		32000		20 U		20 U
WB-15	07/28/09	13.1 J	83.9 J	60 U	60 U	10 U	10 U	17.3 J	18 J	5 U	5 U	5 U	5 U	33800	33100	10 U	10 U	2 J	50 U
WB-15	08/11/09		210		20 U		20 U		20 U		8 U		10 U		33000		20 U		20 U
WB-15	09/08/09		110 U		20 U		20 U		23		8 U		10 U		44000		20 U		20 U
WB-15	10/15/09	200 U	200 U	60 U	60 U	10 U	10 U	18.7 J	19.2 J	5 U	5 U	5 U	5 U	38300	38500	10 U	10 U	0.65 J	0.49 J
WB-15	11/10/09		110 U		20 U		20 U		20 U		8 U		10 U		35000		20 U		20 U
WB-15	12/08/09	200 U	85.4 J	60 U	60 U	10 U	10 U	14.4 J	14.7 J	5 U	5 U	5 U	5 U	30700	30000	10 U	10 U	1.6 J	0.32 J
WB-15	04/06/10	200 U	135 J	60 U	60 U	10 U	10 U	14 J	15.9 J	5 U	5 U	5 U	5 U	25800	28000	10 U	10 U	0.89 J	0.47 J
WB-15	06/08/10	220 U	200 U	110 U	100 U	1100 U	4000 U	34 U	30 U	11 U	10 U	170 U	30 U	41000	40000	34 U	30 U	34 U	30 U
WB-15	08/17/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	40000	40000	22 U	20 U	22 U	20 U
WB-15	10/05/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	34000	22 U	20 U	22 U	20 U
WB-15	12/07/10	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	26000	28000	22 U	20 U	22 U	20 U
WB-15	04/05/11	120 U	110	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	26000	26000	22 U	20 U	22 U	20 U
WB-15	08/16/11	120 U	570	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	31000	32000	22 U	20 U	22 U	20 U
WB-15	09/07/11	120 U	1200	22 U	20 U	22 U	20 U	22 U	24	9 U	8 U	11 U	10 U	31000	32000	22 U	20 U	22 U	20 U
WB-15	10/04/11	120 U	780	22 U	20 U	22 U	20 U	22 U	20	9 U	8 U	11 U	10 U	29000	30000	22 U	20 U	22 U	20 U
WB-15	12/13/11	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	31000	30000	22 U	20 U	22 U	20 U
WB-15	04/11/12	120 U	110	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	32000	34000	22 U	20 U	22 U	20 U
WB-15	06/04/12	250 U	230 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	27000	27000	22 U	20 U	22 U	20 U
WB-15	08/14/12	120 U	110 U	22 U	20 U	22 U	20 U	23	25	9 U	8 U	11 U	10 U	43000	45000	22 U	20 U	22 U	20 U
WB-15	10/10/12	120 U	220 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	36000	38000	22 U	20 U	22 U	20 U
WB-15	12/04/12	120 U	110 U	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	34000	33000	22 U	20 U	22 U	20 U
WB-15	03/27/13	120 U	170	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	32000	32000	22 U	20 U	22 U	20 U
WB-15	06/11/13	120 U	2000	22 U	20 U	22 U	20 U	22 U	28	9 U	8 U	11 U	10 U	28000	30000	22 U	20 U	22 U	20 U
WB-15	08/13/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	39000	40000	22 U	20 U	22 U	20 U
WB-15	10/23/13	120 U	110 U	22 U	20 U	22 U	20 U	22 U	21	9 U	8 U	11 U	10 U	43000	43000	22 U	20 U	22 U	20 U
WB-15	12/03/13	120 U	320	22 U	20 U	22 U	20 U	22 U	20 U	9 U	8 U	11 U	10 U	33000	33000	22 U	20 U	22 U	20 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Lead D UG/L	Lead T UG/L	Magnesium D UG/L	Magnesium T UG/L	Manganese D UG/L	Manganese T UG/L	Mercury D UG/L	Mercury T UG/L	Molybdenum D UG/L	Molybdenum T UG/L	Nickel D UG/L	Nickel T UG/L	Potassium D UG/L	Potassium T UG/L
Cleanup Level		11.8	11.8	1000	1000	3.18	3.18									158	158		
WB-14	12/07/10	22 U	20 U	130	280	22 U	20 U	1400	1500	22 U	21					22 U	20 U	1300	1500
WB-14	08/29/11	2.1 ^	9.4 ^	23 J	3700 ^ B	0.15 U	2.3 ^	1200	2600	15 ^ B	200 ^			1.7 J	1.6 U	0.43 J	5.6 ^	1700	2500
WB-15	10/02/07	25 UJ	25 UJ	9.6 U	1150 J	10 U	10 U	3980	3840	41.3 J	40.6 J	0.2 U	0.2 U			40 U	40 U	3050	2940
WB-15	07/23/08	2.9 U	6.2	104 J	720 J	10 U	10 U	1990	2010	14	26.7	0.071 J	0.085 J			40 U	40 U	1900	1930
WB-15	08/18/08		24		110		20 U		2000		20 U						20 U		2000
WB-15	09/09/08		27		230		20 U		2600		20 U						20 U		
WB-15	10/07/08	5.3 U	9.5 U	43	128	10 UJ	10 UJ	2390	2380	13.9	14.2					40 U	40 U	2370	2350
WB-15	11/19/08		120 U		480		60 U		1700		60 U						60 U		1500 U
WB-15	12/16/08	14 J	23.4 J	110 J	651	10 U	10 U	1100 J	1310 J	17.1 J	55 J					40 U	40 U	1090 J	1150 J
WB-15	03/17/09		71		850		20 U		1600		38						20 U		1500
WB-15	04/09/09	13.9 J	24.5 J	124	336	10 U	10 U	1130 J	1180 J	19.8	37.9					40 U	40 U	1070 J	1150 J
WB-15	05/12/09		20 U		220		20 U		1500		20 U						20 U		1500
WB-15	06/10/09		20 U		160		20 U		1800		20 U						20 U		1500
WB-15	07/28/09	9.8 J	15.5 J	8.8 J	125	10 U	10 U	1650 J	1630 J	15.4	22.9					40 U	40 U	1820 J	1830 J
WB-15	08/11/09		40 U		250		20 U		1700		32						20 U		1900
WB-15	09/08/09		20 U		140		20 U		2500		20 U						20 U		2500
WB-15	10/15/09	30	31.1	127	126	10 U	10 U	2190 J	2220 J	18.3	19.4					40 U	40 U	2270 J	2300 J
WB-15	11/10/09		40 U		140		20 U		1800		20 U						20 U		1900
WB-15	12/08/09	8.8 J	23.3 J	119	399	10 U	10 U	1610 J	1680 J	18.9	25					40 U	40 U	1520 J	1550 J
WB-15	04/06/10	4.5 J	10.3 J	219 U	477	10 U	10 U	1390 J	1630 J	15.7	23.2					40 U	40 U	1420 J	1580 J
WB-15	06/08/10	34 U	30 U	110 U	110	1100 U	200 U	1900	1900	22 U	40 U					67 U	120 U	5600 U	5000 U
WB-15	08/17/10	22 U	20 U	45 U	65	22 U	20 U	2200	2200	22 U	20 U					22 U	20 U	2300	2200
WB-15	10/05/10	22 U	20 U	45 U	71	22 U	20 U	1600	1700	22 U	20 U					22 U	20 U	1900	2200
WB-15	12/07/10	22 U	20 U	140	260	22 U	20 U	1400	1500	22 U	20 U					22 U	20 U	1400	1400
WB-15	04/05/11	22 U	20 U	94	320	22 U	20 U	1500	1500	22 U	25					22 U	20 U	1300	1500
WB-15	08/16/11	22 U	24	47	770	22 U	20 U	1700	1900	22 U	100					22 U	20 U	2100	2100
WB-15	09/07/11	22 U	20 U	53	1400	22 U	20 U	1500	2100	24	75					22 U	20 U	1900	2200
WB-15	10/04/11	22 U	20 U	80 B	970	22 U	20 U	1500	1900	22 U	54					22 U	20 U	1900	2100
WB-15	12/13/11	45 U	40 U	100	270	22 U	20 U	1700	1700	28	28					22 U	20 U	1700	1600
WB-15	04/11/12	22 U	20 U	88	390 B,J2	22 U	20 U	1700	1900	22 U	22					22 U	20 U	1400	1600
WB-15	06/04/12	22 U	20 U	45 U	280	22 U	20 U	1400	1400	22 U	24					22 U	20 U	1500	1500
WB-15	08/14/12	22 U	20 U	45 U	120	22 U	20 U	2200	2400	22 U	20 U					22 U	20 U	2800	2700
WB-15	10/10/12	22 U	20 U	45 U	100	22 U	20 U	2000	2100	22 U	20 U					22 U	20 U	2400	2300
WB-15	12/04/12	22 U	20 U	96	300	22 U	20 U	1900	1800	22 U	20 U					22 U	20 U	1900	1800
WB-15	03/27/13	22 U	20 U	180	320	22 U	20 U	1700	1800	22 U	20 U					22 U	20 U	1100 U	1000 U
WB-15	06/11/13	22 U	22	45 U	2200	22 U	40 U	1500	2200	22 U	160					22 U	20 U	1100 U	1000 U
WB-15	08/13/13	22 U	20 U	45 U	89	22 U	20 U	1800	1900	22 U	20 U					22 U	20 U	1100 U	1000 U
WB-15	10/23/13	22 U	20 U	51	52	22 U	20 U	2100	2100	22 U	20 U					22 U	20 U	1100 U	1000 U
WB-15	12/03/13	22 U	20 U	45 U	490	22 U	20 U	1700	1800	22 U	41					22 U	20 U	1100 U	1000 U

Table 8: West Branch Ompompanoosuc River - Metals
Elizabeth Mine, South Strafford, Vermont

		Selenium D UG/L	Selenium T UG/L	Silver D UG/L	Silver T UG/L	Sodium D UG/L	Sodium T UG/L	Strontium D UG/L	Strontium T UG/L	Sulfate T UG/L	Thallium D UG/L	Thallium T UG/L	Vanadium D UG/L	Vanadium T UG/L	Zinc D UG/L	Zinc T UG/L
Cleanup Level		5	5												106	106
WB-14	12/07/10	22 U	20 U	11 U	10 U	2500	2700			9800	45 U	40 U	11 U	10 U	22 U	20 U
WB-14	08/29/11	0.51 U	0.71 J	0.11 ^ U	0.11 ^ U	2500 B	2400	93 ^ B	100 ^	6900	0.1 U	0.12 J	1.4 J	7	3.3 J ^	13 ^
WB-15	10/02/07	35 UJ	35 UJ	10 U	10 U	7130	6790			45000	25 U	25 U	50 U	50 U	60 U	2.6 J
WB-15	07/23/08	35 UJ	35 UJ	10 U	10 U	5100	5160			14000	25 U	25 U	50 U	0.34 J	36	6.9 U
WB-15	08/18/08		20 U		10 U		5900			14000		20 U		10 U		30
WB-15	09/09/08		20 U		10 U					24000		20 U		10 U		20 U
WB-15	10/07/08	35 U	35 U	10 UJ	10 UJ	6280	6150			16000	25 U	25 U	50 U	50 U	4.8 U	5.6 U
WB-15	11/19/08		120 U		30 U		3500			11000		60 U		30 U		60 U
WB-15	12/16/08	35 U	35 U	10 U	10 U	1980 J	1990 J			8100	25 U	25 U	50 U	50 U	8.4 J	9.8 J
WB-15	03/17/09		20 U		10 U		4100			13000		20 U		10 U		21
WB-15	04/09/09	35 U	35 U	10 U	10 U	2500 J	2510 J			8500	25 U	25 U	4.5 J	50 U	6.3 J	32.5 J
WB-15	05/12/09		20 U		10 U		4400			8900		20 U		10 U		20 U
WB-15	06/10/09		20 U		10 U		4300			11000		20 U		10 U		20 U
WB-15	07/28/09	35 U	35 U	10 U	10 U	4820 J	4750 J			11000	25 U	25 U	50 U	50 U	5.3 J	6.3 J
WB-15	08/11/09		20 U		10 U		4100			11000		20 U		10 U		20 U
WB-15	09/08/09		20 U		10 U		8000			20000		20 U		10 U		20 U
WB-15	10/15/09	35 U	35 U	10 U	10 U	5420	5480			16000	25 U	25 U	50 U	50 U	14.7 J	12.4 J
WB-15	11/10/09		20 U		10 U		4400			16000		20 U		50 U		20 U
WB-15	12/08/09	35 U	35 U	10 U	10 U	2910 J	2880 J			11000	25 U	25 U	9.3 J	50 U	5 J	6.9 J
WB-15	04/06/10	35 U	35 U	10 U	10 U	2820 J	3050 J				25 U	25 U	13.4 J	18.9 J	2.1 J	5.3 J
WB-15	06/08/10	220 U	200 U	34 U	30 U	5600 U	5000 U			14000	220 U	400 U	34 U	30 U	170 U	30 U
WB-15	08/17/10	45 U	40 U	11 U	10 U	4900	4900			15000	22 U	20 U	11 U	10 U	22 U	20 U
WB-15	10/05/10	22 U	20 U	11 U	10 U	3900	4300			18000	22 U	20 U	11 U	10 U	22 U	20 U
WB-15	12/07/10	22 U	20 U	11 U	10 U	2600	2700			9700	45 U	40 U	11 U	10 U	22 U	20 U
WB-15	04/05/11	22 U	20 U	11 U	10 U	4500	4600			14000 J1	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	08/16/11	45 U	20 U	11 U	10 U	3700	3600			16000	22 U	40 U	56 U	50 U	22 U	20 U
WB-15	09/07/11	22 U	20 U	11 U	10 U	3400	3600			9100	22 U	20 U	22 U	20 U	22 U	29 U
WB-15	10/04/11	22 U	20 U	11 U	10 U	3500	3600			14000 J1	22 U	20 U	56 U	50 U	22 U	20 U
WB-15	12/13/11	22 U	20 U	11 U	10 U	3600	3500			30000	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	04/11/12	45 U	40 U	11 U	10 U	3700	3700			8900	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	06/04/12	22 U	20 U	11 U	10 U	3600	3900			8600	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	08/14/12	45 U	40 U	11 U	10 U	8100	8600			16000	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	10/10/12	22 U	40 U	11 U	10 U	6000	5800			14000	22 U	40 U	22 U	20 U	22 U	20 U
WB-15	12/04/12	22 U	20 U	11 U	10 U	3800	3700			12160	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	03/27/13	45 U	40 U	11 U	10 U	1100 U	1000 U			9900	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	06/11/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	31
WB-15	08/13/13	45 U	40 U	11 U	10 U	1100 U	1000 U				22 U	20 U	22 U	20 U	22 U	20 U
WB-15	10/23/13	45 U	40 U	11 U	10 U	1100 U	1000 U			11000	22 U	20 U	22 U	20 U	22 U	20 U
WB-15	12/03/13	45 U	40 U	11 U	10 U	1100 U	1000 U			9300	22 U	20 U	22 U	20 U	22 U	20 U

Notes:

T = total mass concentration
D = dissolved concentration
J = Estimated value
B = Anayte detected in associated blank sample
U/UJ = Not detected above listed value
µg/L - micrograms per liter
R = Rejected result

Table 9: West Branch Ompompanoosuc River - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bicarbonate	Bromide	Calcium Carbonate	Carbonate	Chloride	Eh	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Specific Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		UG/L	UG/L	UG/L	UG/L	UG/L	MV	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	PH UNITS	UG/L	US/CM	DEG C	NTU
WB-10	01/04/05	93000		93000	1000 U	7700												
WB-10	02/28/05	104000		104000	1000 U	7700												
WB-10	04/04/05	57000		57000	500 U	5100												
WB-10	06/06/05	94000		94000	20000 U	8700								8.29			17	
WB-10	08/01/05	124000		123000	20000 U	15000								8.29			21	
WB-10	10/03/05	127000		130000	3000	16000								8.43			14.5	
WB-10	12/05/05	76000		76000	20000 U	3600								7.28			3	
WB-10	02/13/06	75000		75000	20000 U	4800								7.67			0	
WB-10	04/03/06	72000		72000	20000 U	5000								8.04			4	
WB-10	08/07/06	110000		110000	20000 U	6700								8.31			19.5	
WB-10	10/16/06	110000		110000	20000 U	6500								8.31			6.75	
WB-10	04/09/07			76000									13180	7.75		182.8	2.7	
WB-10	07/16/07			107000									8980	8.38		247.1	20.5	
WB-10	10/02/07			127000									7290	8.37		296.6	13.1	
WB-10	12/04/07			79000					20 U		30 U	30 U	12700	7.02		110.1	1.2	
WB-10	04/07/08			69000					20 U		30 U	30 U	10970	8.47		178.1	5.7	
WB-10	07/23/08			100000									6270	7.85		239	17.8	
WB-10	10/06/08			110000									7780	7.65		269.1	9.9	
WB-10	11/19/08			93000					20 U		30 U	30 U	14600	8.43		111.2	0.7	
WB-10	12/15/08			79000									13790	7.91		193.9	2.4	
WB-10	02/10/09												13400	6.82		133.4	0.3	
WB-10	03/17/09								20 U		30 U	30 U	9800	7.02		229.3	4.4	
WB-10	04/08/09			58000					20 U		30 U	30 U	11970	7.09		153.4	4.5	
WB-10	05/12/09								20 U		30 U	30 U	8940	7.91		187.7	10.2	
WB-10	06/09/09								20 U		30 U	30 U	9200	8.67		206.2	12	
WB-10	07/27/09			93000					20 U		30 U	30 U	7870	7.34		99.7	18.9	
WB-10	08/11/09												6350	7.36		230.9	20.2	
WB-10	09/08/09												5960	7.9		290.7	16.3	
WB-10	10/14/09			110000									10110	7.22		241.6	7	
WB-10	11/10/09								20 U		30 U	30 U	7300	7.92		237.7	7.7	
WB-10	12/08/09			90000									13930	8.11		107.2	1.3	
WB-10	03/09/10								20 U		30 U	30 U	12660	6.27		206.9	2.7	
WB-10	04/05/10												9580	7.13		205.1	8.9	
WB-10	05/04/10								20 U		30 U	30 U	8210	6.98		202	15	
WB-10	06/07/10								20 U		30 U	30 U	5020	7.5		224.1	16.8	
WB-10	08/16/10								20 U		30 U	30 U	7930	7.46		264.3	19.3	
WB-10	09/08/10								20 U		30 U	30 U	7190	7.5		331.6	19	
WB-10	10/04/10								20 U		30 U	30 U	9060	7.22		220.7	11.7	
WB-10	11/03/10								20 U		30 U	30 U	8780	7.32		278.2	4.5	
WB-10	12/06/10								20 U		30 U	30 U	14940	7.14		107.3	1.4	
WB-11	01/04/05	9000		9000	1000 U	7300												
WB-11	02/28/05	45000		45000	1000 U	7700												
WB-11	04/04/05	12000		12000	500 U	4800												
WB-11	06/06/05	3000		3000	20000 U	7600								5.95			17	
WB-11	08/01/05	34500		34500	20000 U	14000								6.47			22	
WB-11	10/03/05	800		800	500 U	14000								6.15			14.5	
WB-11	12/05/05	500		500	500 U	4600								5.83			2	
WB-11	02/13/06					5300								5.57			0	
WB-11	04/03/06	7300		7300	500 U	5300								6.21			4	
WB-11	08/07/06	5000		5000	500 U	6500								6.2			20.5	
WB-11	10/16/06	9300		9300	500 U	7100								6.43			6.75	
WB-11	04/09/07			500									12100	6.09		553	2.4	
WB-11	07/16/07			6800									7040	6.25		695	19.8	
WB-11	10/02/07												6710	6.07		951	12	
WB-11	12/04/07			1800					20 U		30 U	30 U	11910	6.13		329	0.3	
WB-11	04/07/08			1000 U					20 U		30 U	30 U	11810	5.16		413	4.1	
WB-11	07/23/08			21000									4650	6.51		560	17.6	
WB-11	08/18/08								2000 U		3000 U	3000 U	8670	6.92		453.1	17.2	
WB-11	09/09/08												5090	6.43		658	16.5	
WB-11	10/06/08			70000									8660	6.74		642	9.2	
WB-11	11/19/08			6800					20 U		30 U	30 U	12280	5.95		273.5	0.9	
WB-11	12/15/08			26000									12750	6.22		206.4	0.7	
WB-11	02/10/09													6.61		314.6	0.2	
WB-11	03/17/09								20 U		30 U	30 U	11650	5.13		571	4.8	
WB-11	04/08/09			23000					20 U		30 U	30 U	11990	6.31		239.6	4	
WB-11	05/12/09								20 U		30 U	30 U	7690	6.63		302	9.4	

Table 9: West Branch Ompompanoosuc River - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bicarbonate	Bromide	Calcium Carbonate	Carbonate	Chloride	Eh	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Specific Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		UG/L	UG/L	UG/L	UG/L	UG/L	MV	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	PH UNITS	UG/L	US/CM	DEG C	NTU
WB-11	06/09/09								20 U		30 U	30 U	9070	7.39		427.3	11.9	
WB-11	07/27/09			42000					20 U		30 U	30 U	6900	6.52		454.4	20.2	
WB-11	08/11/09												6060	6.64		443.1	20.1	
WB-11	09/08/09												5220	6.96		832	15.5	
WB-11	10/14/09			74000									10080	6.63		492.4	6.1	
WB-11	11/10/09								20 U		30 U	30 U	8400	6.58		572	7.8	
WB-11	12/08/09			33000									15730	6.6		226.6	1.5	
WB-11	03/09/10								20 U		30 U	30 U	12550	6.52		255.3	2.6	
WB-11	04/05/10												9830	6.82		274.6	8	
WB-11	05/04/10								20 U		30 U	30 U	9090	7.15		248.9	14.5	
WB-11	06/07/10								20 U		30 U	30 U	5600	7.75		284.2	16.1	
WB-11	08/16/10								20 U		30 U	30 U	8040	8.06		369.7	19.6	
WB-11	09/08/10								20 U		30 U	30 U	7530	7.41		1381	18.1	
WB-11	10/04/10								20 U		30 U	30 U	9330	7.09		330.9	11.1	
WB-11	11/03/10								20 U		30 U	30 U	10010	7.45		320.2	3.3	
WB-11	12/06/10								20 U		30 U	30 U	18090	7.02		130.4	0.6	
WB-11	04/04/11		5000 U			5000 U		5000 U	1000 U	5000 U	1000 U	5000 U			30 U			
WB-11	08/16/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-11	10/03/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-11	12/13/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-11	04/10/12		500 U			100 U		100 U	100 U	100 U	100 U	100 U			10 U			
WB-11	06/05/12		500 U			100 U		100 U	100 U	100 U	100 U	100 U			10 U			
WB-11	08/13/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U						
WB-11	10/09/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-11	12/03/12		10000 U			10000 U		10000 U	5000 U	10000 U	5000 U	10000 U			10 U			
WB-11	03/26/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-11	10/23/13		1000 U			1000 U		1000 U	500 U	1000 U	500 U	1000 U			10 U			
WB-11	12/03/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	10/04/05	112000		112000	20000 U	19000								8.3			15	
WB-12	12/06/05	71000		71000	20000 U	5900								7.73			2	
WB-12	02/14/06	70000		70000	20000 U	4800								7.92			0	
WB-12	02/14/06	70000		70000	20000 U	4700												
WB-12	04/03/06	69000		69000	20000 U	6300								7.81			4.5	
WB-12	08/08/06	110000		110000	20000 U	8600								8.12			21.5	
WB-12	10/16/06	100000		100000	20000 U	7800								8.04			8	
WB-12	05/10/07						49.9						11480	7.7		203	15.11	6.49
WB-12	06/11/07								20 U		30 U	30 U	9160	7.85		249.2	17.8	
WB-12	07/16/07			99000									8150	8.23		279	21.7	
WB-12	07/16/07			100000														
WB-12	08/16/07						320.7						8910	6.22		369	23.09	
WB-12	10/02/07			102000									6910	6.77		358	15.9	
WB-12	10/25/07						210.6						11080	6.67		184	10.37	0.45
WB-12	12/04/07			74000					20 U		30 U	30 U	13800	6.95		113	0.1	
WB-12	12/04/07			76000					20 U		30 U	30 U						
WB-12	04/07/08			60000					20 U		30 U	30 U	9260	6.6		183.6	6.5	
WB-12	07/23/08			99000									6810	7.7		254.7	17.7	
WB-12	08/18/08												6490	7.6		257.3	23.2	
WB-12	09/09/08												6260	7.3		285.4	16.8	
WB-12	10/07/08			120000									10350	8.04		294.5	6	
WB-12	11/19/08			88000					20 U		30 U	30 U	12200	6.33		118.8	0.3	
WB-12	12/16/08			72000									13300	7.54		87.3	0.9	
WB-12	02/10/09												13130	6.41		128.8	0	
WB-12	03/17/09								20 U		30 U	30 U	8670	6.83		196.5	5.5	
WB-12	04/09/09			58000					20 U		30 U	30 U	10970	7.49		152.8	4.4	
WB-12	05/12/09								20 U		30 U	30 U	10690	7.79		197.1	8.9	
WB-12	06/10/09						179.3		20 U		30 U	30 U	10610	8.17		218.1	11.7	
WB-12	07/28/09			100000					20 U		30 U	30 U	7890	8.11		241.3	17.6	
WB-12	08/11/09												6420	7.04		239.7	20.9	
WB-12	09/08/09												8400			310.2	17.3	
WB-12	10/15/09			110000									11090	8.11		266.3	4.9	
WB-12	11/10/09								20 U		30 U	30 U	7440	7.97		254.4	7.3	
WB-12	12/08/09			89000									14740	8.06		108.9	1	
WB-12	03/09/10								20 U		30 U	30 U	10320	6.77		213	3.7	
WB-12	04/06/10												10420	7.92		184.2	8	
WB-12	05/04/10								20 U		30 U	30 U	8230	6.49		212.4	15	
WB-12	06/08/10								20 U		30 U	30 U	6400	8.19		259.4	13.9	

Table 9: West Branch Ompompanoosuc River - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bicarbonate	Bromide	Calcium Carbonate	Carbonate	Chloride	Eh	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Specific Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		UG/L	UG/L	UG/L	UG/L	UG/L	MV	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	PH UNITS	UG/L	US/CM	DEG C	NTU
WB-12	08/17/10								20 U		30 U	30 U	7910	8.38		276.1	18.6	
WB-12	09/08/10								20 U		30 U	30 U	6630	6.97		503	20.1	
WB-12	10/05/10								20 U		30 U	30 U	10680	8.11		233.2	11.9	
WB-12	11/03/10								20 U		30 U	30 U	8070	6.67		227.5	5.3	
WB-12	12/07/10								20 U		30 U	30 U	16840	7.41		101.5	0.6	
WB-12	04/05/11		500 U			500 U		500 U	100 U	500 U	100 U	500 U			30 U			
WB-12	06/07/11		500 U			500 U		500 U	100 U	500 U	100 U	500 U			30 U			
WB-12	08/15/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	08/16/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	09/07/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	10/04/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	12/12/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	04/11/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	06/04/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	08/14/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U						
WB-12	10/10/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	12/04/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	03/27/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	10/23/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-12	12/03/13		500 U			100 U		100 U	100 U	100 U	100 U	100 U			10 U			
WB-13	10/04/05	111000		111000	20000 U	17000								8.35			14	
WB-13	12/06/05	62000		62000	20000 U	3700								7.99			2	
WB-13	02/14/06	63000		63000	20000 U	4400								8			0	
WB-13	04/03/06	62000		62000	20000 U	5100								7.7			4.5	
WB-13	08/08/06	98000		98000	20000 U	6600								8.21			23	
WB-13	08/08/06	100000		100000	20000 U	6500												
WB-13	10/16/06	93000		93000	20000 U	6600								8.12			8	
WB-13	10/16/06	93000		93000	20000 U	6700												
WB-13	07/16/07			106000									8480	8.37		257.1	21.9	
WB-13	10/02/07			99000									6900	7.63		329	15.4	
WB-13	10/02/07			100000														
WB-13	04/08/08			50000					20 U		30 U	30 U						
WB-13	04/08/08			55000					20 U		30 U	30 U	8820	6.8		156.5	7	
WB-13	07/23/08			91000									5710	7.92		236.1	17.8	
WB-13	07/23/08			93000														
WB-13	08/18/08												7470	7.86		239.5	21.1	
WB-13	09/09/08												7540	7.88		262.7	17	
WB-13	10/07/08			110000									10790	7.91		276.6	6	
WB-13	10/07/08			100000														
WB-13	11/19/08			80000					20 U		30 U	30 U	11710	6.77		106.3	0.2	
WB-13	11/19/08			79000					20 U		30 U	30 U						
WB-13	12/16/08			58000									12900	7.57		7.62	1.2	
WB-13	12/16/08			58000														
WB-13	02/10/09												13020	6.64		116.8	0.1	
WB-13	03/17/09								20 U		30 U	30 U	10810	7.07		175.7	5.3	
WB-13	03/17/09								20 U		30 U	30 U						
WB-13	04/09/09			54000					20 U		30 U	30 U	11960	7.4		141.8	3.8	
WB-13	04/09/09			55000					20 U		30 U	30 U						
WB-13	05/12/09								20 U		30 U	30 U	10480	7.69		175.3	9.8	
WB-13	05/12/09								20 U		30 U	30 U						
WB-13	06/10/09								20 U		30 U	30 U						
WB-13	06/10/09						258.3		20 U		30 U	30 U	11430	8.4		192	12.22	
WB-13	07/28/09			91000					20 U		30 U	30 U	8250	8.14		208.4	16.9	
WB-13	07/28/09			91000					20 U		30 U	30 U						
WB-13	08/11/09												8500	7.83		229.3	20.7	
WB-13	09/08/09												7760	7.75		139.4	17.6	
WB-13	10/15/09			100000									10740	8.14		244.4	5.1	
WB-13	10/15/09			100000														
WB-13	11/10/09								20 U		30 U	30 U	8510	7.98		231.1	7	
WB-13	12/08/09			78000									16210	8.15		97.2	1.2	
WB-13	12/08/09			80000														
WB-13	03/09/10								20 U		30 U	30 U	10700	7.01		195.4	3.5	
WB-13	03/09/10								20 U		30 U	30 U						
WB-13	04/06/10												10110	7.98		172.9	7.8	
WB-13	05/04/10								20 U		30 U	30 U	8090	6.91		192.9	14.8	
WB-13	06/08/10								20 U		30 U	30 U	6350	8.18		236.2	13.7	

Table 9: West Branch Ompompanoosuc River - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bicarbonate	Bromide	Calcium Carbonate	Carbonate	Chloride	Eh	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Specific Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		UG/L	UG/L	UG/L	UG/L	UG/L	MV	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	PH UNITS	UG/L	US/CM	DEG C	NTU
WB-13	06/08/10								20 U		30 U	30 U						
WB-13	08/17/10								20 U		30 U	30 U	8320	8.36		266.7	18.7	
WB-13	08/17/10								20 U		30 U	30 U						
WB-13	09/08/10								20 U		30 U	30 U	7280	7.4		386.4	19.5	
WB-13	09/08/10								20 U		30 U	30 U						
WB-13	10/05/10								20 U		30 U	30 U	9160	8.19		209.1	11.8	
WB-13	10/05/10								20 U		30 U	30 U						
WB-13	11/03/10								20 U		30 U	30 U	7770	6.81		197.5	5.3	
WB-13	11/03/10								20 U		30 U	30 U						
WB-13	12/07/10								20 U		30 U	30 U	13730	7.43		59.1	0.8	
WB-13	12/07/10								20 U		30 U	30 U						
WB-14	10/04/05	107000		107000	20000 U	17000								7.82			15.5	
WB-14	12/06/05	62000		62000	20000 U	3700								8.19			1.5	
WB-14	02/14/06	60000		60000	20000 U	4200								7.67			0	
WB-14	04/03/06	58000		58000	20000 U	4800								7.95			4.5	
WB-14	08/08/06	94000		94000	20000 U	7000								8.28			22	
WB-14	10/16/06	87000		87000	20000 U	6500								8.22			8	
WB-14	04/10/07			60000									10460	6.9		167.3	4	
WB-14	04/10/07			62000														
WB-14	07/16/07			93000									8400	8.43		252	22.4	
WB-14	08/16/07						239.2						9220	7.25		351	21.7	
WB-14	10/02/07			96000									6730	7.9		318	15.4	
WB-14	10/25/07						202.1						11200	7.13		301	10.26	8.86
WB-14	12/04/07			64000					20 U		30 U	30 U	14480	7.17		93	0.1	
WB-14	04/08/08			45000					20 U		30 U	30 U	11260	6.94		135	7.1	
WB-14	07/23/08			87000									6600	7.92		228	17.9	
WB-14	08/18/08												5380	8.2		230.6	21.7	
WB-14	09/09/08												5460	8.06		252.8	17.5	
WB-14	10/07/08			97000									10680	7.79		262.6	6.3	
WB-14	11/19/08			74000					20 U		30 U	30 U	13200	6.96		98.3	0.3	
WB-14	12/16/08			51000									13700	7.58		69.4	1.7	
WB-14	03/17/09								20 U		30 U	30 U	11810	7.21		156.7	5	
WB-14	04/09/09			50000					20 U		30 U	30 U	12260	7.49		134.1	4	
WB-14	05/12/09								20 U		30 U	30 U	10610	7.58		169.8	8.6	
WB-14	06/10/09								20 U		30 U	30 U	9630	8.14		187.9	11.9	
WB-14	07/28/09			84000					20 U		30 U	30 U	8480	8.17		205.6	16.5	
WB-14	08/11/09												6100	7.85		212.4	20.8	
WB-14	09/08/09												5830			280.1	18	
WB-14	10/15/09			91000									10830	8.25		227.9	4.9	
WB-14	11/10/09								20 U		30 U	30 U	8120	8.08		218	7.5	
WB-14	12/08/09			72000									15960	8.35		94.2	1.6	
WB-14	04/06/10												9850	8.05		164.4	8.4	
WB-14	06/08/10								20 U		30 U	30 U	6670	8.21		233.6	13	
WB-14	08/17/10								20 U		30 U	30 U	8330	8.38		255.9	18.3	
WB-14	10/05/10								20 U		30 U	30 U	10420	8.36		201.6	11.8	
WB-14	12/07/10								20 U		30 U	30 U	16920	7.44		87.5	1.1	
WB-15	10/02/07			97000									6820	7.95		309	15.9	
WB-15	07/23/08			94000									7070	8.04		228.6	18.1	
WB-15	08/18/08												7610	8.12		234.1	21.6	
WB-15	09/09/08												5490	8.13		255.7	17.6	
WB-15	10/07/08			100000					20 U		30 U	30 U	11120	7.58		264.2	6.2	
WB-15	11/19/08			76000					20 U		30 U	30 U	11190	7.06		97.3	0.2	
WB-15	12/16/08			50000									13500	7.66		131.4	2.8	
WB-15	03/17/09								20 U		30 U	30 U	12700	7.14		152.9	5.5	
WB-15	04/09/09			49000					20 U		30 U	30 U	9140	7.49		139	4.2	
WB-15	05/12/09								20 U		30 U	30 U	11300	7.42		172	8.4	
WB-15	06/10/09								20 U		30 U	30 U	9020	8.14		187.6	11.7	
WB-15	07/28/09			87000					20 U		30 U	30 U	8350	8.25		206.1	17.1	
WB-15	08/11/09												6360	7.81		208.9	21.6	
WB-15	09/08/09												5820			277	18	
WB-15	10/15/09			91000									11260	8.43		233.2	6.2	
WB-15	11/10/09								20 U		30 U	30 U	8020	8.28		222	8.3	
WB-15	12/08/09			74000									14690	8.49		173.2	2.5	
WB-15	04/06/10												10020	8.28		170.8	8.5	
WB-15	06/08/10								20 U		30 U	30 U	6850	8.2		227.4	13.3	
WB-15	08/17/10								20 U		30 U	30 U	8460	8.38		254.4	18.3	

Table 9: West Branch Ompompanoosuc River - Water Quality Parameters
Elizabeth Mine, South Strafford, Vermont

		Bicarbonate	Bromide	Calcium Carbonate	Carbonate	Chloride	Eh	Fluoride	Nitrate as N	Nitrate+Nitrite as N	Nitrite as N	Orthophosphate	Oxygen	pH	Phosphate, Total as P	Specific Conductivity	Temperature	Turbidity
		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
		UG/L	UG/L	UG/L	UG/L	UG/L	MV	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	PH UNITS	UG/L	US/CM	DEG C	NTU
WB-15	10/05/10								20 U		30 U	30 U	8710	8.62		201.8	12.1	
WB-15	12/07/10								20 U		30 U	30 U	16770	7.49		167	2.4	
WB-15	04/05/11		500 U			500 U		500 U	100 U	500 U	100 U	500 U			30 U			
WB-15	08/16/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	09/07/11		500 U			100 U		100 U	100 U	100 U	100 U	100 U			10 U			
WB-15	10/04/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	12/13/11		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	04/11/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	06/04/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	08/14/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U						
WB-15	10/10/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	12/04/12		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	03/27/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	10/23/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			
WB-15	12/03/13		100 U			100 U		100 U	50 U	100 U	50 U	100 U			10 U			

Notes:
T = total mass concentration
D = dissolved concentration
J = Estimated value
U/UG = Not detected above listed value
µg/L - milligrams per liter
R = Rejected result
MV = millivolts
us/cm = micro Seimens per centermeter
Deg C = degrees centigrade
NTU = Nephelos Turbidity Unit

Table 10: Copper, Iron and Sulfate at Select Surface Water Locations
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Sulfate T MG/L
CB03	12/05/05	28500 J	26600 J	88600 J	79900 J	1500
CB03	02/13/06	23200	22700	89500	88300	700
CB03	04/03/06	15800	15400	31800	31100	610
CB03	08/07/06	25500	25500	62900	63400	4300
CB03	10/16/06	24400	24200	42900	42500	3300
CB03	04/09/07	20900	21400	83100	84400	715
CB03	05/10/07	14000	14100	34000	34000	1000
CB03	06/11/07	16000	16300	28600	28700	680
CB03	07/16/07	18000	17100	39100	37700	840
CB03	08/16/07	12830	12680	29000	30000	1300
CB03	10/02/07	12900	13100	28300	27700	830
CB03	10/25/07			30000	30000	1800
CB03	01/17/08		27000		77000	
CB03	04/07/08	25600	26500	87200	97700	5100
CB03	07/23/08					640
CB03	10/07/08					870
CB03	12/16/08	11200	10800	16400	16500	550
CB03	04/09/09	17100	14500	51000	44100	670
CB03	07/27/09	20000	21000	21000	45000	600
CB03	10/15/09					740
CB03	12/08/09	15600	15700	25600	27100	440
CB03	01/12/10		16000		20000	450
CB03	01/25/10		28000		820000	480
CB03	01/26/10		10000		34000	330
CB03	02/10/10		10000		14000	340
CB03	03/09/10		12000		46000	500
CB03	04/06/10	4640 J	4160	2200	2880	
CB03	05/04/10		4900		12000	240
CB03	06/08/10	8800	8500	4800	4800	470
CB03	08/17/10	1600	2000	9000	16000	650
CB03	09/08/10		2400		16000	670
CB03	10/05/10	1000	1200	310	1300	280
CB03	10/05/10	1000	1300	310	1500	580
CB03	11/03/10		2400		1900	330
CB03	12/07/10	860	1000	400	610	110
CB03	12/07/10	870	1000	410	540	110
CB03	02/07/11	1400	1800	450	720	380
CB03	03/14/11	4300	5500	360	5200	610
CB03	04/05/11	5800	6500	260	1500	280
CB03	05/10/11	600	1060	90 U	610	560
CB03	06/07/11	580	1100	90 U	920	540
CB03	07/12/11	400	1080	90 U	2600	660
CB03	08/15/11	13000	14000	6300	28000	360
CB03	08/29/11	550 ^	780 ^	53	590 ^ B	75
CB03	09/07/11	6200	6400	480	2700	250
CB03	10/03/11	2400	3200	112	770	220
CB03	11/15/11	840	1320	90 U	680	420
CB03	12/13/11	1140	1480	360	690	280
CB03	01/17/12	1100	1330	320	1180	340
CB03	02/14/12	650	810	270	550	280
CB03	03/06/12	720	1000	200	840 B	640

Table 10: Copper, Iron and Sulfate at Select Surface Water Locations
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Sulfate T MG/L
CB03	04/11/12	820	990	90 U	270 B,J2	260
CB03	06/04/12	2400	3200	135 U	850	360
CB03	08/13/12	680	1340	93 U	1020	420
CB03	10/10/12	480	1750	93	6000	320
CB03	12/04/12	1370	1530	93 U	470	389.64
CB03	02/12/13	480	640	310	750	280
CB03	03/25/13	520	1170	104	2600	400
CB03	06/11/13	2600	4200	90 U	1300	
CB03	08/13/13	340	710	90 U	810	
CB03	10/22/13	190	210	45 U	46	210
CB03	12/03/13	330	370	45 U	56	98
CB06	01/04/05	4360	4460 J	88700	93800	923
CB06	02/28/05	2890	2860	240000	243000	2100
CB06	04/04/05	5850	5890	34300	46400	347
CB06	06/06/05	3540	3430	158000	160000	1400
CB06	08/01/05	345	401	449000	432000	4100
CB06	10/03/05	388	403	408000	434000	2800
CB06	12/05/05	7420 J	7090 J	80300 J	77600 J	1200
CB06	02/13/06	5860	5700	122000	126000	880
CB06	04/03/06	3430	3390	93600	94300	710
CB06	08/07/06	4620	4600	223000	222000 J	4600
CB06	10/16/06	2940	3010	307000	316000	1700
CB06	04/09/07	5280	5420	135000	138000	700
CB06	05/10/07	3020	2910	200000	200000	1200
CB06	06/11/07	1860	1910	288000	293000	1400
CB06	07/16/07	517 J	490 J	685000	702000	2900
CB06	08/16/07	219.9	241.8	830000	800000	4500
CB06	10/02/07	735	726	565000	599000	2900
CB06	10/25/07			280000	270000	1900
CB06	12/04/07	4270	4330	154000	156000	940
CB06	04/07/08	5030	5320	35300	42000	1100
CB06	05/20/08		2370		154000	
CB06	06/10/08		1500		210000	
CB06	07/23/08	1450	1330	192000	180000	2500
CB06	08/18/08		5400		23000	1100
CB06	09/09/08		2500		22000	
CB06	10/06/08	1540	1530	16100	17900	1300
CB06	11/19/08		5400		67000	660
CB06	12/15/08	3340	3490	32900	44200	480
CB06	02/10/09		1600		83000	960
CB06	03/17/09		7000		46000	570
CB06	04/08/09	4130	3640	22400	24300	350
CB06	05/12/09		2400		16000	300
CB06	06/09/09		2000		9600	360
CB06	07/27/09	1870	1820	2940	10200	460
CB06	08/11/09		3900		6300	540
CB06	09/08/09		2700		23000	1200
CB06	10/14/09	3380	3890	8200	10800	710
CB06	11/10/09		4500		12000	690
CB06	12/08/09	3250	3300	41000	44600	430
CB06	03/09/10		1200		33000	380
CB06	04/05/10	639 J	999	86300	103000	

Table 10: Copper, Iron and Sulfate at Select Surface Water Locations
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Sulfate T MG/L
CB06	05/04/10		730		6700	470
CB06	06/07/10	270	890	2600	8200	780
CB06	08/16/10	90 U	170	180 U	6500	1100
CB06	09/08/10		250		39000	2000
CB06	10/04/10	1000	2400	410	8500	360
CB06	11/03/10		280		3800	890
CB06	12/06/10	22 U	100	26000	35000	410
CB06	03/14/11	22 U	330	13000	20000	390
CB06	04/04/11	22 U	170	22000	41000	330
CB06	05/10/11	22 U	120	45 U	3100	310
CB06	07/12/11	22 U	90	45 U	4400	1100
CB06	08/16/11	610	2600	1700	11000	470
CB06	08/29/11	8.5 ^	180 ^	720	9800 ^ B	220
CB06	09/06/11	22 U	360	56	4100	260
CB06	10/03/11	22 U	230	3300	20000	240
CB06	11/15/11	44 U	220	47000	86000	530
CB06	12/13/11	67 U	170	80000	61000	500
CB06	04/10/12	22 U	54	14000	48000 J2	370
CB06	06/05/12	22 U	83	45 U	2100	260
CB06	08/13/12	22 U	66	130	14000	1420
CB06	10/09/12	22 U	63	700	14000	380
CB06	12/03/12	22 U	62	13000	24000	360.77
CB06	03/26/13	23	28	26000	26000	310
CB06	06/10/13	33	36	1000	1300	
CB06	08/12/13	22 U	20 U	45 U	420	
CB06	10/23/13	67 U	20 U	130 U	710	600
CB06	12/03/13	22 U	30	8500	16000	330
CB16	07/12/11	22 U	44	3600	9900	1300
CB16	08/16/11	820	2800	2800	11000	500
CB16	08/29/11	16 ^	280 ^	4800	14000 ^ B	190
CB16	09/06/11	22 U	360	100	4300	280
CB16	10/03/11	22 U	370	600	9400	200
CB16	11/15/11	22 U	120	54000	69000	650
CB16	12/13/11	45 U	200	58000	67000	580
CB16	01/17/12	22 U	67	98000	100000	920
CB16	02/14/12	22 U	37	130000	130000	1200
CB16	03/06/12	22 U	34	120000	130000	1300
CB16	04/10/12	22 U	31	58000	67000 J2	540
CB16	06/05/12	22 U	90	180	2900	290
CB16	08/13/12	22 U	24	840	6700	870
CB16	10/09/12	22 U	120	330	14000	420
CB16	12/03/12	22 U	68	32000	36000	427.32
CB16	02/12/13	22 U	22	57000	61000	620
CB16	03/26/13	22 U	22	36000	37000	380
CB16	06/10/13	22 U	36	98	1800	
CB16	08/12/13	22 U	20 U	270	1300	
CB16	10/23/13	22 U	20 U	2900	5100	760
CB16	12/03/13	22 U	30	23000	26000	380
SC03	06/10/08		1300		74	
SC03	08/29/11	810 ^	780 ^	480	620 ^ B	120
SC03	01/17/12	1060	1120	129	173	350
SC03	02/14/12	630	670	110	1400	170

Table 10: Copper, Iron and Sulfate at Select Surface Water Locations
Elizabeth Mine, South Strafford, Vermont

		Copper D UG/L	Copper T UG/L	Iron D UG/L	Iron T UG/L	Sulfate T MG/L
SC03	03/06/12	320	520	47	2600	280
SC03	04/10/12	290	420	45 U	210 B,J2	190
SC03	06/04/12	480	630	190	640	170
SC03	08/13/12	170	390	200	1500	240
SC03	10/09/12	400	510	1000	1700	170
SC03	12/03/12	420	490	510	740	326
SC03	02/12/13	350	380	310	540	150
SC03	03/25/13	340	400	180	300	130
SC03	06/10/13	220	450	220	1100	
SC03	08/12/13	110	350	40 U	1500	
SC03	10/22/13	260	390	80	620	270
SC03	12/02/13	290	310	300	440	120
SM01	11/09/09		950		170	86
SM01	12/08/09	990	1000	96	160	94
SM01	04/06/10	1100	1200	140	140	
SM01	06/07/10	540	570	340 U	200 U	61
SM01	08/17/10	590	610	500	630	81
SM01	09/08/10		440		1100	70
SM01	10/05/10	910	900	160	270	120
SM01	11/03/10		750		130	70
SM01	12/07/10	970	1100	100	160	95
SM01	05/10/11	1500	1500	230	250	120
SM01	08/16/11	1200	1200	190	240	160
SM01	09/06/11	800	720	73	140	45
SM01	10/03/11	220	20 U	45 U	360	10
SM01	12/12/11	510	1000	61	280	100
SM01	01/17/12	400	570	45 U	130	100
SM01	02/14/12	75	220	280	2300	150
SM01	03/06/12	33	100	420	1700	260
SM01	04/10/12	52	69	240	390 B,J2	120
SM01	06/04/12	160	300	150	470	130
SM01	08/13/12	190	470	400	1400	450
SM01	10/09/12	300	500	350	1200	120
SM01	12/03/12	260	330	770	1000	116.22
SM01	02/12/13	580	800	2200	4100	81
SM01	03/25/13	130	150	560	730	65
SM01	06/10/13	210	230	230	330	
SM01	08/12/13	340	540	114	710	
SM01	10/22/13	110	450	85	1400	90
SM01	12/02/13	320	380	88	1200	65

Notes:

T = total mass concentration
D = dissolved concentration
J = Estimated value
U/UG = Not detected above listed value

mg/L = milligrams per liter
µg/L - micrograms per liter
B = Analyte detected above listed value

TP-1 FLOW DATA

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	8/20/2011	9/20/2011	10/20/2011	10/24/2011	10/31/2011	11/7/2011	11/17/2011	11/21/2011	11/30/2011	12/9/2011	12/19/2011
HD-02	4.95	5.85	5.72	6.49	5.99	6.08	5.18	4.97	6.32	5.18	3.98
HD-03	0.29	0.24	0.63	0.61	0.61	0.44	0.28	0.24	0.31	0.34	0.25
HD-04	5.53	6.00	5.92	6.10	6.23	5.95	5.45	5.43	6.14	5.73	2.98
HD-05	6.76	6.22	7.63	8.12	9.85	8.64	10.74	4.62	8.37	5.38	5.62
HD-10	7.29	10.35	10.54	9.58	8.01	8.79	8.33	8.35	9.21	9.83	9.81
HD-11	3.96	5.10	5.23	4.63	5.02	4.44	3.82	3.47	3.21	3.40	3.47
HD-12	0.41	0.42	0.47	0.41	0.44	0.40	0.36	0.31	0.34	0.31	0.33
HD-13	2.83	3.39	3.36	3.49	3.05	2.42	1.20	1.49	1.78	1.44	1.90
TD-01	0.62	0.87		0.70	0.63	0.73	0.64	2.59	0.77	0.78	0.67
TD-02	0.57	0.23	0.84	0.61	0.60	0.61	0.52	0.43	0.52	0.77	0.40
TD-03	0.05	0.02	0.03	0.00	0.02	0.01	No Flow	No Flow	0.00	0.01	No Flow
TD-04	1.44	1.10	1.83	1.31	1.30	1.10	0.93	2.57	1.05	1.57	1.03
TD-05	0.23	0.24	0.29	0.22	0.00	0.18	0.31	0.11	0.10	0.13	0.13
TD-06	1.49	1.69	1.64	1.50	1.34	1.33	1.71	0.91	1.49	1.52	1.39
TD-07	1.94	1.25	1.85	1.33	1.49	1.48	1.51	1.23	1.66	1.43	1.22
TD-08	0.32	0.44	0.57	0.44	0.38	0.41	0.35	0.31	0.42	0.38	0.44
WS-02	6.98	9.70	7.51	15.33	11.79	13.56	16.32	6.05	23.12	19.89	18.94
Starter Dam Weir	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
All flows in gallons per minute
NS = Not sampled

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	12/20/2011	1/3/2012	1/10/2012	1/20/2012	1/25/2012	3/28/2012	4/6/2012	4/13/2012	4/17/2012	4/19/2012	4/20/2012	4/27/2012
HD-02	5.08	4.91	4.21	5.38	5.08	3.44	3.23	4.31		4.09		2.03
HD-03	0.24	0.28	0.34	0.21	0.25	0.29	0.26	0.49		0.51		0.45
HD-04	5.11	5.68	5.71	6.66	6.42	6.86	5.41	5.49		6.54		6.31
HD-05	7.51	6.92	5.91	5.98	7.39	7.34	6.19	6.43		6.92		6.79
HD-10	8.63	8.59	10.57	8.07	8.08	9.40	7.20	6.55		6.77		6.75
HD-11	3.70	3.49	3.46	4.19	3.42	3.96	3.45	5.25		5.44		5.80
HD-12	0.30	0.28	0.26	0.26	0.25	0.25	0.28	0.24		0.23		0.24
HD-13	1.55	1.83	1.56	1.98	1.33	1.89	1.62	3.59		4.73		4.42
TD-01	0.62	0.65	0.65	0.58	0.63	0.63	0.56	0.61		0.52		0.52
TD-02	0.40	0.32	0.22	0.17	0.22	0.20	0.13	0.12		0.09		0.09
TD-03	No Flow	No Flow	No Flow	No Flow	No Flow	0.02						
TD-04	1.18	0.80	0.82	0.56	0.53	0.56	0.57	0.62		0.52		0.49
TD-05	0.13	0.13	0.15	0.16	0.19	0.80	0.75	0.73		0.73		0.72
TD-06	1.19	1.43	0.81	0.30	0.96							
TD-07	1.36	1.43	1.25	1.16	0.99	0.99	0.88	0.83		0.73		0.71
TD-08	0.32	0.32	0.37	0.22	0.23	0.28	0.21	0.18		0.20		0.20
WS-02	7.05	17.86	7.47	7.54	15.91	22.46	22.65	18.32		19.47		19.63
Starter Dam Weir	NS	NS	NS	NS	NS	NS	NS	NS	3.81	NS	3.83	3.75

Notes:
All flows in gallons per minute
NS = Not sampled

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	5/1/2012	5/11/2012	5/18/2012	5/25/2012	6/1/2012	6/8/2012	6/14/2012	6/21/2012	6/22/2012	6/28/2012	7/6/2012	7/12/2012
HD-02	2.89	4.17	4.10	4.09	4.24	4.17	4.07	3.58		3.71	3.76	3.50
HD-03	0.44	0.62	0.41	0.48	0.54	0.45	0.51	0.49		0.68	0.54	0.37
HD-04	6.23	6.61	6.23	6.03	5.89	5.73	6.20	6.28		5.45	5.16	4.74
HD-05	6.86	5.86	7.09	5.86	6.79	7.47	6.98	7.83		7.82	6.70	6.15
HD-10	7.28	7.14	6.78	7.17	5.36	6.91	7.14	6.24		6.68	7.02	6.04
HD-11	6.36	6.70	4.54	5.04	5.07	5.32	5.39	5.32		5.73	5.42	5.06
HD-12	0.24	0.27	0.25	0.27	0.27	0.23	0.23	0.22		0.23	0.22	0.19
HD-13	5.13	5.65	3.39	4.94	5.26	4.79	4.86	4.50		5.56	5.24	3.21
TD-01	0.73	0.85	0.63	0.60	0.64	0.69	0.63	0.49		0.64	0.59	0.44
TD-02	0.18	0.62	0.24	0.13	0.20	0.19	0.17	0.08		0.19	0.13	0.08
TD-03				0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.01
TD-04	0.94	1.32	1.18	0.69	0.80	0.99	0.91	0.82		0.98	0.73	0.57
TD-05	0.73	0.99	0.99	0.86	0.83	0.99		0.02		0.04		
TD-06							1.18	1.02		1.10	1.02	0.83
TD-07	1.11	1.61	1.33	0.88	1.17	1.09	0.89	0.57		0.92	0.74	0.54
TD-08	0.20	0.06	0.03	0.02	0.03	0.03	0.03	0.03		0.05	0.05	0.04
WS-02	23.74	28.60	24.50	24.90	19.84	22.96	20.61	16.87		22.05	20.57	10.56
Starter Dam Weir	7.97	9.52	7.05	8.82	3.80	5.02	3.70	NS	3.21	3.61	4.02	3.10

Notes:
All flows in gallons per minute
NS = Not sampled

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	7/17/2012	7/18/2012	7/26/2012	8/1/2012	8/9/2012	8/16/2012	8/23/2012	8/30/2012	9/7/2012	9/14/2012	9/21/2012	9/28/2012
HD-02	3.27		3.26	3.31	3.13	3.00	3.08	3.03	3.11	2.87	2.76	2.77
HD-03		0.36	0.34	0.39	0.40	0.35	0.41	0.36	0.46	0.37	0.32	0.37
HD-04	4.89		4.50	3.93	3.96	3.91	4.00	4.06	4.04	4.01	3.78	3.65
HD-05	6.21		6.18	6.26	4.85	6.41	7.36	6.67	7.77	8.10	8.18	
HD-10		5.73	5.45	5.88	5.76	5.19	6.32	5.86	5.91	6.59	5.92	5.87
HD-11		4.81	4.72	5.11	4.72	4.69	4.69	4.96	4.93	4.48	4.73	4.66
HD-12		0.38	0.18	0.18	0.18	0.33	0.17	0.16	0.16	0.17	0.16	0.19
HD-13		3.62	3.67	4.08	3.64	3.45	3.84	3.51	4.15	3.85	3.32	3.12
TD-01	0.43		0.46	0.63	0.52	0.60	0.51	0.52	0.53	0.47	0.51	0.43
TD-02	0.07		0.11	0.17	0.08	0.12	0.08	0.10	0.10	0.07	0.09	0.14
TD-03	0.02		0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.00
TD-04		0.57	0.61	0.80	0.68	0.68	0.66	0.65	0.73	0.64	0.81	0.81
TD-05			0.05	0.06	0.07	0.08	0.09	0.10		0.12	0.13	0.13
TD-06		0.81	0.95	1.01	0.98	1.06	1.08	0.93	0.91	0.91	0.98	0.94
TD-07	0.55		0.71	0.87	0.73	1.05	0.70	0.83	0.79	0.86	0.82	0.93
TD-08	0.03		0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.06	0.17	0.09
WS-02	11.87		11.36		11.73	17.01	9.05	9.78	8.56	6.53	8.80	7.59
Starter Dam Weir	3.26	NS	3.91	3.32	3.27	4.01	2.96	3.73	3.55	3.10	3.46	4.75

Notes:
All flows in gallons per minute
NS = Not sampled

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	10/5/2012	10/12/2012	10/18/2012	10/26/2012	11/2/2012	11/9/2012	11/15/2012	11/16/2012	12/21/2012	2/22/2013	3/21/2013	4/18/2013
HD-02	2.67	2.50	2.75	2.61	2.76	2.71	2.46	3.32	3.03	2.02	2.20	2.28
HD-03	0.39	0.32	0.30	0.28	0.30	0.24	0.19	0.25	0.23	0.19	0.09	0.11
HD-04	3.84	3.90	3.87	4.13	4.25	4.41	4.01	3.76	4.27	4.00	3.62	3.78
HD-05		3.59	2.40	3.53	2.65	2.22	2.53	4.26	6.27	0.87	0.68	0.62
HD-10	5.74	5.82	6.05	6.20	5.37	5.72	6.13	7.15	6.34	5.99	6.74	6.53
HD-11	4.89	4.70	4.88	4.99	5.42	4.53	4.13	4.13	4.64	3.98	4.21	3.92
HD-12	0.17	0.17	0.18	0.17	0.16	0.13	0.14	0.13	0.17	0.09	0.08	0.11
HD-13	3.37	2.91	3.23	3.31	4.26	2.39	2.04	2.19	2.63	2.09	2.10	1.99
TD-01	0.55	0.50	0.48	0.49	0.47	0.45	0.46	0.43	0.41	0.30	0.29	0.41
TD-02	0.09	0.08	0.08	0.08	0.10	0.07	0.08	0.06	0.06	No Flow	No Flow	No Flow
TD-03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	No Flow	0.010	No Flow	No Flow	0.005
TD-04	1.10	0.97	0.97	0.99	1.22	0.89	0.73	0.86	0.79	0.42	0.35	0.73
TD-05	0.15	0.14	0.15	0.14	0.18	0.13	0.11	0.11	0.10	0.09	0.07	0.12
TD-06	1.12	0.96	1.13	1.06	1.05	1.07	1.04	1.12	3.16	0.89	0.77	1.01
TD-07	1.22	1.21	1.09	1.04	1.51	0.95	0.96	1.05	1.15	0.68	No Flow	0.92
TD-08	0.06	0.05	0.05	0.04	0.07	0.05	0.04	0.00	0.07	No Flow	No Flow	No Flow
WS-02	12.26	7.75	7.63	11.26	9.79	9.99	9.92	10.89	8.89	3.71	7.94	9.72
Starter Dam Weir	3.66	3.38	4.19	3.97	4.03	20.38	15.62	NS	NS	NS	NS	NS

Notes:
All flows in gallons per minute
NS = Not sampled

Table 11: Flow at Toe Drain and Horizontal Drain Locations
Elizabeth Mine, South Strafford, Vermont

Location	5/13/2013	5/17/2013	5/24/2013	6/20/2013	7/19/2013	8/16/2013	9/17/2013	10/21/2013	11/21/2013	12/20/2013
HD-02	1.93	1.95	1.89	1.97	2.28	1.98	1.65	1.38	0.89	0.96
HD-03	0.11	0.11	0.04	0.09	0.12	0.13	0.06	0.10	0.00	0.08
HD-04	3.97	3.51	4.21	3.99	3.53	3.26	3.72	3.91	4.03	3.98
HD-05	0.48	0.67	0.93	0.21	0.32	0.09	0.11	0.07	0.07	0.00
HD-10	6.07	4.45	7.95	6.10	5.18	5.26	5.72	7.75	8.69	8.20
HD-11	4.04	3.76	3.31	3.76	4.81	4.84	5.07	4.04	1.74	3.07
HD-12	0.08	0.07	0.09	0.08	0.13	0.08	0.08	0.09	0.00	0.00
HD-13	1.97	1.87	1.11	2.21	3.04	2.45	2.83	2.29	1.19	1.46
TD-01	0.32	0.30	0.37	0.36	0.43	0.37	0.38	0.32	0.22	0.16
TD-02	0.03	0.02	0.06	0.08	0.12	0.09	0.13	0.05	0.14	0.12
TD-03	0.004	0.003	0.000	0.000	0.030	0.029	0.065	0.012	0.000	0.000
TD-04	0.51	0.46	0.63	0.83	0.92	0.74	1.20	0.62	0.39	0.41
TD-05	0.09	0.08	0.11	0.08	0.11	0.10	0.12	0.09	0.00	0.01
TD-06	0.88	1.14	0.74	0.76	0.97	0.85	0.78	0.74	0.82	0.73
TD-07	0.72	0.73	1.47	0.77	0.80	0.64	0.81	0.63	0.62	0.67
TD-08	0.04	0.05	0.12	0.12	0.13	0.07	0.07	0.06	0.10	0.07
WS-02	7.13	10.80	5.18	11.07	7.11	6.17	9.64	10.32	5.80	4.90
Starter Dam Weir	22.50	3.05	NS	NS	NS	NS	4.64	5.48	3.46	16.97

Notes:
All flows in gallons per minute
NS = Not sampled

WATER LEVEL ELEVATIONS DATA

Table 12: Monitoring Well Groundwater Elevations
Elizabeth Mine, South Strafford, Vermont

	Date	8/15/2011	9/20/2011	10/20/2011	11/21/2011	12/20/2011	1/20/2012	2/17/2012	3/21/2012	4/20/2012	5/18/2012	6/20/2012	7/20/2012	8/14/2012	9/24/2012
Location	**Ref. Point**														
MW14B	1184.25	1175.50	1178.82	1179.31	1178.73	1179.07	1178.67	1178.55	1179.23	1178.45	1179.55	1178.43	1177.33	1177.02	1177.04
MW14C	1184.01	1159.11	1159.34	1159.98	1159.16	1159.59	1159.08	1158.96	1159.61	1158.95	1159.81	1159.11	1158.17	1158.82	1159.18
MW16C	1460.58	1437.58	1444.33	1449.29	1440.26	1446.71	1440.53	1439.12	1450.12	1440.70	1450.02	1441.26	1433.89	1438.90	1444.02
MW17C	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	831.37	830.12	830.54
MW18B	955.64	934.12	934.65	928.14	934.34	934.36	934.02	933.90	933.77	933.66	934.17	933.79	933.67	933.78	933.59
MW18C	955.72	938.02	938.24	938.36	937.87	937.92	937.57	937.49	937.22	937.12	937.42	937.26	937.16	937.20	936.94
MW20B	1086.95	1071.35	1073.09	1074.04	1076.06	1072.00	1070.57	1073.59	1074.82	--	--	--	--	--	--
MW20C	1087.05	1075.25	1077.32	1077.75	1072.42	1076.19	1074.68	1069.49	1070.32	--	--	--	--	--	--
MW21C	1140.87	1133.42	1136.45	1137.44	1136.57	1136.93	1136.55	1136.48	1137.65	1136.76	1137.50	1136.54	1133.69	1135.84	1136.85
MW27B	1015.90	1005.85	1008.08	1009.17	1007.54	1007.98	1007.25	1006.65	1008.52	1007.55	1009.82	1007.61	1006.33	1006.34	1006.57
MW30B	1119.77	1108.58	1113.01	1114.36	1113.35	1113.84	1112.94	1112.62	1115.03	1113.65	1114.37	1112.72	1111.62	1112.85	1113.89
MW35A	1022.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35B	1022.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-36	1079.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37	1082.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-38	1076.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39	1069.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-40A	1079.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-40B	1080.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-41	1074.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-42	1068.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-43A	1073.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-43B	1073.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-44A	1066.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-44B	1066.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45	1081.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46	1083.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-47	1097.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-48	1085.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IC-01	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56
IC-02	1426.42	1421.39	1423.09	1424.14	1422.95	1423.59	1422.64	1420.80	1422.61	1421.22	1422.36	1421.05	1418.57	1420.52	1421.60
IC-03	1411.14	1410.55	1411.14	1411.14	1411.04	1411.14	1411.14	1408.32	1409.69	1408.49	1409.44	1408.14	1407.85	1408.99	1409.41
IC-04	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14
IC-05	1331.51	1301.20	1309.01	1312.06	1308.31	1310.36	1307.36	1306.63	1312.08	1307.31	1311.31	1307.72	1303.26	1306.65	1308.12
IC-06	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30
IC-07	1468.71	1173.61	1175.32	1174.11	1174.00	1174.16	1173.97	1175.66	1174.39	1174.13	1175.06	1175.01	1174.01	1173.85	1173.77
IC-08	1442.88	1365.67	1403.59	1417.81	1387.48	1414.25	1384.56	1379.07	1415.02	1385.90	1417.05	1390.93	1367.95	1375.13	1407.23
IC-09	1397.14	1350.69	1378.40	1380.25	1371.29	1375.55	1370.65	1370.56	1378.75	1373.79	1381.63	1375.75	1365.35	1375.71	1384.67
IC-10	1313.11	993.72	1053.31	1081.74	1085.58	1097.36	1092.22	1072.11	1070.96	1087.81	1123.26	1103.86	1065.26	1033.57	1019.60
HO-1	1253.43	980.56	1029.28	1053.33	1053.38	1062.70	1056.38	1037.78	1033.15	1047.49	1077.18	1058.33	1031.51	1009.10	998.08

Table 12: Monitoring Well Groundwater Elevations
Elizabeth Mine, South Strafford, Vermont

	Date	10/19/2012	11/16/2012	12/21/2012	2/22/2013	3/21/2013	4/18/2013	5/24/2013	6/20/2013	7/19/2013	8/16/2013	9/17/2013	10/21/2013	11/22/2013	12/20/2013
Location	**Ref. Point**														
MW14B	1184.25	1177.57	1178.75	1178.88	1178.44	1179.16	1179.73	1179.22	1179.05	1179.30	1178.10	1177.64	1176.94	1177.27	1178.05
MW14C	1184.01	1159.40	1159.41	1159.66	1158.98	1159.57	1159.88	1159.52	1159.61	1159.73	1158.83	1158.82	1154.09	1158.92	1159.08
MW16C	1460.58	1443.19	1443.73	1446.75	1439.65	1448.21	1450.74	1445.19	1446.48	1446.94	1439.60	1444.31	1431.31	1437.80	1440.80
MW17C	831.37	830.87	830.45	829.85	829.89	829.87	829.88	829.85	825.37	830.27	829.88	829.88	829.85	829.91	829.86
MW18B	955.64	933.86	933.75	933.92	933.25	933.51	933.55	936.82	933.67	933.93	933.70	933.60	933.51	933.41	933.45
MW18C	955.72	937.21	937.18	937.34	936.74	936.95	936.95	933.63	936.98	937.29	937.02	936.96	936.90	936.80	936.87
MW20B	1086.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20C	1087.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW21C	1140.87	1136.97	1137.07	1137.39	1136.02	1136.83	1137.42	1137.26	1136.65	1136.69	1134.13	1134.95	1134.61	1136.51	1136.36
MW27B	1015.90	1007.07	1007.90	1007.80	1006.47	1007.56	1009.20	1008.18	1007.98	1008.72	1007.08	1006.57	1005.40	1005.50	1005.85
MW30B	1119.77	1113.92	1113.77	1116.53	1112.67	1113.81	1114.55	1115.23	1119.57	1112.80	1112.25	1112.36	1112.20	1113.38	1113.28
MW35A	1022.74	--	966.10	966.31	965.26	965.48	965.14	Dry	964.76	965.14	964.83	964.61	964.47	964.04	963.97
MW35B	1022.75	--	957.64	957.97	957.60	957.77	957.56	957.17	957.55	957.82	957.77	957.60	957.35	956.78	956.95
MW-36	1079.07	--	997.41	997.42	996.13	996.54	996.20	996.32	995.85	996.24	995.75	995.48	995.49	995.75	995.45
MW-37	1082.43	--	--	--	--	--	991.52	991.43	991.45	991.80	991.50	991.26	991.24	991.33	991.18
MW-38	1076.09	--	--	--	--	--	1005.54	999.19	Dry	1005.41	1004.95	1004.65	1004.65	1004.75	1004.44
MW-39	1069.63	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-40A	1079.98	--	--	--	--	--	1017.20	1016.69	1017.15	1018.04	1016.93	1016.10	1015.57	1015.44	1015.10
MW-40B	1080.01	--	--	--	--	--	1013.48	1013.31	1013.33	1013.96	1013.22	1012.66	1012.36	1012.32	1012.01
MW-41	1074.05	--	--	--	--	--	1013.21	1013.37	1012.80	1013.25	1012.63	1012.27	1012.28	1012.47	1012.13
MW-42	1068.03	--	--	--	--	--	1027.38	1027.69	1027.08	1027.50	1026.97	1026.70	1026.61	1026.89	1026.76
MW-43A	1073.41	--	--	--	--	--	1036.92	1037.01	1036.50	1036.83	1036.32	1035.99	1035.93	1036.05	1035.75
MW-43B	1073.39	--	--	--	--	--	1036.00	1036.11	1035.57	1035.90	1035.39	1035.05	1034.99	1035.02	1034.77
MW-44A	1066.22	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-44B	1066.21	--	--	--	--	--	1032.57	1032.90	1032.29	1032.72	1032.23	1032.03	1032.15	1032.13	1032.17
MW-45	1081.54	--	--	--	--	--	1041.28	1040.98	1040.75	1040.90	1040.54	1040.14	1039.95	1040.08	1039.74
MW-46	1083.74	--	--	--	--	--	1045.26	1045.33	1044.74	1045.07	1044.45	1044.04	1043.98	1044.07	1043.70
MW-47	1097.19	--	--	--	--	--	1062.08	1061.64	1061.33	1061.23	1060.94	1060.70	1060.53	1060.44	1060.24
MW-48	1085.85	--	--	--	--	--	1060.60	1060.27	1059.94	1060.05	1059.59	1059.33	1059.17	1059.24	1058.95
IC-01	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56	1365.56
IC-02	1426.42	1421.99	1421.84	1422.53	1421.23	1422.40	1422.73	1422.54	1421.83	1421.56	1420.19	1420.14	1418.88	1420.54	1421.41
IC-03	1411.14	1409.44	1409.49	1409.94	1409.54	1408.39	1409.92	1409.74	1409.36	1409.29	1409.05	1409.32	1408.34	1409.26	1409.46
IC-04	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14	1395.14
IC-05	1331.51	1310.19	1310.19	1305.97	1307.57	1311.10	1313.22	1310.63	1311.18	1311.05	1307.59	1309.57	1306.77	1309.61	1309.93
IC-06	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30	1467.30
IC-07	1468.71	1174.00	1174.19	1174.41	1174.17	1174.71	1175.07	1174.61	1174.93	1175.12	1174.34	1173.87	1173.53	1173.61	1173.87
IC-08	1442.88	1411.63	1413.05	1415.22	1379.51	1412.84	1417.98	1414.05	1413.92	1414.46	1373.58	1400.19	1382.65	1399.41	1402.14
IC-09	1397.14	1386.74	1386.81	1387.49	1380.00	1386.73	1388.06	1385.55	1385.17	1384.28	1378.09	1386.29	1380.53	1387.05	1387.72
IC-10	1313.11	1043.09	1084.05	1083.30	1097.17	1093.61	1138.82	1113.79	1130.21	1127.43	1106.38	1060.36	1036.12	1007.21	1037.89
HO-1	1253.43	1014.85	1045.40	1043.31	1048.93	1042.59	1084.37	1056.60	1068.18	1079.40	1059.41	1026.36	1006.36	984.44	1005.65

Notes:
-- = well abandoned (MW20B/C) or not yet installed
All elevations in feet above mean sea level

2013 SEDIMENT TOXICITY TEST DATA

PROJECT_NUMBER	SAMPLE_NUMBER	SAMPLE_ID	ANALYSIS_NAME	ANALYSIS_CODE	ANALYTE_NAME	MATRIX	CAS_NUMBER	ANALYSIS_UNIT	COMBINATION_RESULT	ANALYTE_MDL	QUALIFIER	COLLECTION_DATE	COLLECTION_TIME	ANALYSIS_START_DATE
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Aluminum	SW	7429-90-5	ug/L	500	110		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Antimony	SW	7440-36-0	ug/L	500	10		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Arsenic	SW	7440-38-2	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Barium	SW	7440-39-3	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Beryllium	SW	7440-41-7	ug/L	200	8		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Cadmium	SW	7440-43-9	ug/L	250	10		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Chromium	SW	7440-47-3	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Cobalt	SW	7440-48-4	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Copper	SW	7440-50-8	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Iron	SW	7439-89-6	ug/L	500	40		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Lead	SW	7439-92-1	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Manganese	SW	7439-96-5	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Nickel	SW	7440-02-0	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Selenium	SW	7782-49-2	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Silver	SW	7440-22-4	ug/L	100	10		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Thallium	SW	7440-28-0	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Vanadium	SW	7440-62-2	ug/L	500	10		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $DMETW_PE	$A_DMETW_PE	Zinc	SW	7440-66-6	ug/L	500	20		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Aluminum	SW	7429-90-5	ug/L	500	110		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Antimony	SW	7440-36-0	ug/L	500	10		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Arsenic	SW	7440-38-2	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Barium	SW	7440-39-3	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Beryllium	SW	7440-41-7	ug/L	200	8		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Cadmium	SW	7440-43-9	ug/L	250	10		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Chromium	SW	7440-47-3	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Cobalt	SW	7440-48-4	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Copper	SW	7440-50-8	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Iron	SW	7439-89-6	ug/L	500	40		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Lead	SW	7439-92-1	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Manganese	SW	7439-96-5	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Nickel	SW	7440-02-0	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Selenium	SW	7782-49-2	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Silver	SW	7440-22-4	ug/L	100	10		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Thallium	SW	7440-28-0	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Vanadium	SW	7440-62-2	ug/L	500	10		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Amt Spiked (ug/L) for $METW	$A_METW_PE	Zinc	SW	7440-66-6	ug/L	500	20		10/29/2013	10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	260000	110		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	1300	45		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	21000	110		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	200	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45		10/29/2013	10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11		10/29/2013	10:26	11/6/2013

13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Aluminum	SW	7429-90-5	ug/L	99.0	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Antimony	SW	7440-36-0	ug/L	97.0	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Arsenic	SW	7440-38-2	ug/L	98.6	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Barium	SW	7440-39-3	ug/L	97.0	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Beryllium	SW	7440-41-7	ug/L	97.5	8	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Cadmium	SW	7440-43-9	ug/L	103	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Calcium	SW	7440-70-2	ug/L	99.0	100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Chromium	SW	7440-47-3	ug/L	98.0	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Cobalt	SW	7440-48-4	ug/L	99.8	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Copper	SW	7440-50-8	ug/L	96.8	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Iron	SW	7439-89-6	ug/L	96.2	40	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Lead	SW	7439-92-1	ug/L	99.4	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Magnesium	SW	7439-95-4	ug/L	97.0	100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Manganese	SW	7439-96-5	ug/L	96.8	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Nickel	SW	7440-02-0	ug/L	101	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	500	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Selenium	SW	7782-49-2	ug/L	100	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Silver	SW	7440-22-4	ug/L	97.9	4	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	500	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Thallium	SW	7440-28-0	ug/L	99.4	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Vanadium	SW	7440-62-2	ug/L	95.8	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $DMETW_PE	$L_DMETW_PE	Zinc	SW	7440-66-6	ug/L	103	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Aluminum	SW	7429-90-5	ug/L	95.4	200	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Antimony	SW	7440-36-0	ug/L	96.0	60	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Arsenic	SW	7440-38-2	ug/L	97.4	15	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Barium	SW	7440-39-3	ug/L	94.4	200	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Beryllium	SW	7440-41-7	ug/L	97.5	5	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Cadmium	SW	7440-43-9	ug/L	103	5	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Calcium	SW	7440-70-2	ug/L	99.6	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Chromium	SW	7440-47-3	ug/L	95.8	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Cobalt	SW	7440-48-4	ug/L	101	50	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Copper	SW	7440-50-8	ug/L	97.0	25	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Iron	SW	7439-89-6	ug/L	102	100	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Lead	SW	7439-92-1	ug/L	97.0	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Magnesium	SW	7439-95-4	ug/L	100	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Manganese	SW	7439-96-5	ug/L	99.2	15	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Nickel	SW	7440-02-0	ug/L	102	40	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Potassium	SW	7440-09-7	ug/L	x	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Selenium	SW	7782-49-2	ug/L	98.4	35	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Silver	SW	7440-22-4	ug/L	103	110	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Sodium	SW	7440-23-5	ug/L	x	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Thallium	SW	7440-28-0	ug/L	93.6	25	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Vanadium	SW	7440-62-2	ug/L	93.8	50	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB % Recovery for $METW	$L_METW_PE	Zinc	SW	7440-66-6	ug/L	102	60	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Aluminum	SW	7429-90-5	ug/L	500	200	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Antimony	SW	7440-36-0	ug/L	500	60	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Arsenic	SW	7440-38-2	ug/L	500	15	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Barium	SW	7440-39-3	ug/L	500	200	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Beryllium	SW	7440-41-7	ug/L	200	5	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Cadmium	SW	7440-43-9	ug/L	250	5	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Calcium	SW	7440-70-2	ug/L	5000	5000	10/29/2013 10:26	11/4/2013

13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Chromium	SW	7440-47-3	ug/L	500	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Cobalt	SW	7440-48-4	ug/L	500	50	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Copper	SW	7440-50-8	ug/L	500	25	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Iron	SW	7439-89-6	ug/L	500	100	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Lead	SW	7439-92-1	ug/L	500	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Magnesium	SW	7439-95-4	ug/L	5000	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Manganese	SW	7439-96-5	ug/L	500	15	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Nickel	SW	7440-02-0	ug/L	500	40	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Potassium	SW	7440-09-7	ug/L	x	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Selenium	SW	7782-49-2	ug/L	500	35	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Silver	SW	7440-22-4	ug/L	100	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Sodium	SW	7440-23-5	ug/L	x	5000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Thallium	SW	7440-28-0	ug/L	500	25	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Vanadium	SW	7440-62-2	ug/L	500	50	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amount Spiked (ug/L) for $METW	$LAMETW_PE	Zinc	SW	7440-66-6	ug/L	500	60	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Aluminum	SW	7429-90-5	ug/L	500	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Antimony	SW	7440-36-0	ug/L	500	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Arsenic	SW	7440-38-2	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Barium	SW	7440-39-3	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Beryllium	SW	7440-41-7	ug/L	200	8	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Cadmium	SW	7440-43-9	ug/L	250	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Calcium	SW	7440-70-2	ug/L	5000	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Chromium	SW	7440-47-3	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Cobalt	SW	7440-48-4	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Copper	SW	7440-50-8	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Iron	SW	7439-89-6	ug/L	500	40	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Lead	SW	7439-92-1	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Magnesium	SW	7439-95-4	ug/L	5000	100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Manganese	SW	7439-96-5	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Nickel	SW	7440-02-0	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Potassium	SW	7440-09-7	ug/L	x	500	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Selenium	SW	7782-49-2	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Silver	SW	7440-22-4	ug/L	100	4	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Sodium	SW	7440-23-5	ug/L	x	500	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Thallium	SW	7440-28-0	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Vanadium	SW	7440-62-2	ug/L	500	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Amt Spiked (ug/L) for $DMETW_PE	$LADMETW_PE	Zinc	SW	7440-66-6	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Aluminum	SW	7429-90-5	ug/L	495	124	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Antimony	SW	7440-36-0	ug/L	485	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Arsenic	SW	7440-38-2	ug/L	493	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Barium	SW	7440-39-3	ug/L	485	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Beryllium	SW	7440-41-7	ug/L	195	9.04	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Cadmium	SW	7440-43-9	ug/L	257	11.3	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Calcium	SW	7440-70-2	ug/L	4950	113	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Chromium	SW	7440-47-3	ug/L	490	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Cobalt	SW	7440-48-4	ug/L	499	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Copper	SW	7440-50-8	ug/L	484	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Iron	SW	7439-89-6	ug/L	481	45.2	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Lead	SW	7439-92-1	ug/L	497	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Magnesium	SW	7439-95-4	ug/L	4850	113	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Manganese	SW	7439-96-5	ug/L	484	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Nickel	SW	7440-02-0	ug/L	507	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1130	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Selenium	SW	7782-49-2	ug/L	500	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Silver	SW	7440-22-4	ug/L	97.9	11.3	10/29/2013 10:26	11/6/2013

13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1130	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Thallium	SW	7440-28-0	ug/L	497	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Vanadium	SW	7440-62-2	ug/L	479	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $DMETW_PE	$LSDMETW_PE	Zinc	SW	7440-66-6	ug/L	514	22.6	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Aluminum	SW	7429-90-5	ug/L	477	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Antimony	SW	7440-36-0	ug/L	480	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Arsenic	SW	7440-38-2	ug/L	487	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Barium	SW	7440-39-3	ug/L	472	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Beryllium	SW	7440-41-7	ug/L	195	8	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Cadmium	SW	7440-43-9	ug/L	257	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Calcium	SW	7440-70-2	ug/L	4980	100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Chromium	SW	7440-47-3	ug/L	479	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Cobalt	SW	7440-48-4	ug/L	506	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Copper	SW	7440-50-8	ug/L	485	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Iron	SW	7439-89-6	ug/L	508	40	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Lead	SW	7439-92-1	ug/L	485	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Magnesium	SW	7439-95-4	ug/L	5020	100	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Manganese	SW	7439-96-5	ug/L	496	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Nickel	SW	7440-02-0	ug/L	508	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Selenium	SW	7782-49-2	ug/L	492	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Silver	SW	7440-22-4	ug/L	103	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Thallium	SW	7440-28-0	ug/L	468	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Vanadium	SW	7440-62-2	ug/L	469	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	LFB Result (ug/L) for $METW	$LSMETW_PE	Zinc	SW	7440-66-6	ug/L	508	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Aluminum	SW	7429-90-5	ug/L	499	124	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Antimony	SW	7440-36-0	ug/L	514	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Arsenic	SW	7440-38-2	ug/L	551	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Barium	SW	7440-39-3	ug/L	523	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Beryllium	SW	7440-41-7	ug/L	198	9.04	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Cadmium	SW	7440-43-9	ug/L	265	11.3	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Chromium	SW	7440-47-3	ug/L	500	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Cobalt	SW	7440-48-4	ug/L	515	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Copper	SW	7440-50-8	ug/L	509	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Iron	SW	7439-89-6	ug/L	1740	45.2	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Lead	SW	7439-92-1	ug/L	521	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Manganese	SW	7439-96-5	ug/L	671	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Nickel	SW	7440-02-0	ug/L	525	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Selenium	SW	7782-49-2	ug/L	539	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Silver	SW	7440-22-4	ug/L	97.2	11.3	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Thallium	SW	7440-28-0	ug/L	495	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Vanadium	SW	7440-62-2	ug/L	489	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $DMETW_PE	$S_DMETW_PE	Zinc	SW	7440-66-6	ug/L	564	22.6	10/29/2013 10:26	11/11/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Aluminum	SW	7429-90-5	ug/L	522	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Antimony	SW	7440-36-0	ug/L	502	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Arsenic	SW	7440-38-2	ug/L	517	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Barium	SW	7440-39-3	ug/L	496	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Beryllium	SW	7440-41-7	ug/L	193	8	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Cadmium	SW	7440-43-9	ug/L	251	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Chromium	SW	7440-47-3	ug/L	473	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Cobalt	SW	7440-48-4	ug/L	505	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Copper	SW	7440-50-8	ug/L	510	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Iron	SW	7439-89-6	ug/L	563	40	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Lead	SW	7439-92-1	ug/L	485	20	10/29/2013 10:26	11/6/2013

13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Manganese	SW	7439-96-5	ug/L	744	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Nickel	SW	7440-02-0	ug/L	506	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Selenium	SW	7782-49-2	ug/L	511	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Silver	SW	7440-22-4	ug/L	103	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Thallium	SW	7440-28-0	ug/L	469	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Vanadium	SW	7440-62-2	ug/L	476	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	Matrix Spike Result (ug/L) for $METW	$S_METW_PE	Zinc	SW	7440-66-6	ug/L	500	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Aluminum	SW	7429-90-5	ug/L	99.8	110	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Antimony	SW	7440-36-0	ug/L	103	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Arsenic	SW	7440-38-2	ug/L	110	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Barium	SW	7440-39-3	ug/L	105	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Beryllium	SW	7440-41-7	ug/L	99.0	8	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Cadmium	SW	7440-43-9	ug/L	106	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Chromium	SW	7440-47-3	ug/L	100	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Cobalt	SW	7440-48-4	ug/L	103	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Copper	SW	7440-50-8	ug/L	102	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Iron	SW	7439-89-6	ug/L	88.0	40	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Lead	SW	7439-92-1	ug/L	104	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Manganese	SW	7439-96-5	ug/L	94.2	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Nickel	SW	7440-02-0	ug/L	105	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Selenium	SW	7782-49-2	ug/L	108	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Silver	SW	7440-22-4	ug/L	97.2	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Thallium	SW	7440-28-0	ug/L	99.0	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Vanadium	SW	7440-62-2	ug/L	97.8	10	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $DMETW_PE	$R_DMETW_PE	Zinc	SW	7440-66-6	ug/L	113	20	10/29/2013 10:26	11/6/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Aluminum	SW	7429-90-5	%	104	110	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Antimony	SW	7440-36-0	%	100	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Arsenic	SW	7440-38-2	%	103	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Barium	SW	7440-39-3	%	94.8	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Beryllium	SW	7440-41-7	%	96.5	8	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Cadmium	SW	7440-43-9	%	100	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Chromium	SW	7440-47-3	%	94.6	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Cobalt	SW	7440-48-4	%	101	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Copper	SW	7440-50-8	%	102	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Iron	SW	7439-89-6	%	104	40	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Lead	SW	7439-92-1	%	97.0	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Manganese	SW	7439-96-5	%	107	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Nickel	SW	7440-02-0	%	101	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Selenium	SW	7782-49-2	%	102	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Silver	SW	7440-22-4	%	103	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Thallium	SW	7440-28-0	%	93.8	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Vanadium	SW	7440-62-2	%	95.2	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	MS % Recovery for $METW	$R_METW_PE	Zinc	SW	7440-66-6	%	100	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	22	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	260000	100	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	44	40	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 10:26	11/4/2013

13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	22000	100	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	210	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 10:26	11/4/2013
13100035	SW-13-CB6	AB44537	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 10:26	1/23/2014
13100035	SW-13-CB6	AB44537	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 10:26	1/23/2014
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	25	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	360000	110	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	9000	45	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	28000	110	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	510	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Aluminum	SW	7429-90-5	%	NC	200	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Aluminum	SW	7429-90-5	ug/L	NC	110	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Antimony	SW	7440-36-0	%	NC	60	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Antimony	SW	7440-36-0	ug/L	NC	10	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Arsenic	SW	7440-38-2	%	NC	15	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Arsenic	SW	7440-38-2	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Barium	SW	7440-39-3	%	0	200	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Barium	SW	7440-39-3	ug/L	4.1	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Beryllium	SW	7440-41-7	%	NC	5	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Beryllium	SW	7440-41-7	ug/L	NC	8	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Cadmium	SW	7440-43-9	%	NC	5	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Cadmium	SW	7440-43-9	ug/L	NC	10	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Calcium	SW	7440-70-2	%	2.9	5000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Calcium	SW	7440-70-2	ug/L	2.8	110	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Chromium	SW	7440-47-3	%	NC	10	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Chromium	SW	7440-47-3	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Cobalt	SW	7440-48-4	%	NC	50	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Cobalt	SW	7440-48-4	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Copper	SW	7440-50-8	%	NC	25	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Copper	SW	7440-50-8	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Iron	SW	7439-89-6	%	0	100	10/29/2013 11:55	11/4/2013

13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Iron	SW	7439-89-6	ug/L	2.2	40	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Lead	SW	7439-92-1	%	NC	10	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Lead	SW	7439-92-1	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Magnesium	SW	7439-95-4	%	3.6	5000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Magnesium	SW	7439-95-4	ug/L	0	100	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Manganese	SW	7439-96-5	%	0	15	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Manganese	SW	7439-96-5	ug/L	2.0	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Nickel	SW	7440-02-0	%	NC	40	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Nickel	SW	7440-02-0	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Potassium	SW	7440-09-7	%	x	5000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Potassium	SW	7440-09-7	ug/L	x	500	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Selenium	SW	7782-49-2	%	NC	35	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Selenium	SW	7782-49-2	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Silver	SW	7440-22-4	%	NC	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Silver	SW	7440-22-4	ug/L	NC	4	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Sodium	SW	7440-23-5	%	x	5000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Sodium	SW	7440-23-5	ug/L	x	500	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Thallium	SW	7440-28-0	%	NC	25	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Thallium	SW	7440-28-0	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Vanadium	SW	7440-62-2	%	NC	50	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Vanadium	SW	7440-62-2	ug/L	NC	10	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPMETW_PE	Zinc	SW	7440-66-6	%	NC	60	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Precision (RPD)	$SPDMETW_PE	Zinc	SW	7440-66-6	ug/L	NC	20	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	45	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Barium	SW	7440-39-3	ug/L	24	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Barium	SW	7440-39-3	ug/L	24	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Calcium	SW	7440-70-2	ug/L	350000	100	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Calcium	SW	7440-70-2	ug/L	350000	120	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Iron	SW	7439-89-6	ug/L	4900	40	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Iron	SW	7439-89-6	ug/L	8800	45	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Magnesium	SW	7439-95-4	ug/L	28000	100	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Magnesium	SW	7439-95-4	ug/L	28000	110	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Manganese	SW	7439-96-5	ug/L	490	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Manganese	SW	7439-96-5	ug/L	500	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 11:55	11/6/2013

13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	11	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Sample Duplicate Result (ug/L)	$SDDMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 11:55	11/6/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	24	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	340000	100	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	4900	40	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	27000	100	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	490	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 11:55	11/4/2013
13100035	SW-13-CB16	AB44538	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 11:55	1/23/2014
13100035	SW-13-CB16	AB44538	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 11:55	1/23/2014
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	23	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	53000	110	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	58	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	49	45	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	8000	110	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	530	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 13:26	11/6/2013

13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	67	22	10/29/2013 13:26	11/6/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	160	110	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	22	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	55000	100	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	62	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	300	40	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	8000	100	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	580	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	60	20	10/29/2013 13:26	11/4/2013
13100035	SW-13-SOct	AB44539	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 13:26	1/23/2014
13100035	SW-13-SOct	AB44539	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 13:26	1/23/2014
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	53000	110	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	63	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	110	45	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	8000	110	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	530	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	63	22	10/29/2013 13:28	11/6/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	22	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 13:28	11/4/2013

13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	53000	100	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	55	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	64	40	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	8000	100	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	540	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-DUP	AB44540	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	58	20	10/29/2013 13:28	11/4/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	36000	110	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	99	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	55	45	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	7200	110	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	310	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	26	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	710	22	10/29/2013 14:29	11/6/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	32000	100	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	120	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	340	40	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	5600	100	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	230	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 14:29	11/4/2013

13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	390	20	10/29/2013 14:29	11/4/2013
13100035	SW-13-SM1t	AB44541	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 14:29	1/23/2014
13100035	SW-13-SM1t	AB44541	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 14:29	1/23/2014
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	9400	110	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	ND	45	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	1300	110	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 15:27	11/6/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	9000	100	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	ND	40	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	1300	100	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 15:27	11/4/2013
13100035	SW-13-LB39B	AB44542	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 15:27	1/23/2014
13100035	SW-13-LB39B	AB44542	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 15:27	1/23/2014
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 15:54	11/6/2013

13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	25000	110	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	ND	45	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	3700	110	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	24	22	10/29/2013 15:54	11/6/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	25000	100	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	ND	40	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	3900	100	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	23	20	10/29/2013 15:54	11/4/2013
13100035	SW-13-SC2	AB44543	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 15:54	1/23/2014
13100035	SW-13-SC2	AB44543	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 15:54	1/23/2014
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Calcium	SW	7440-70-2	ug/L	6800	110	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Iron	SW	7439-89-6	ug/L	ND	45	10/29/2013 16:20	11/6/2013

13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Magnesium	SW	7439-95-4	ug/L	940	110	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Manganese	SW	7439-96-5	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Potassium	SW	7440-09-7	ug/L	X	1100	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Sodium	SW	7440-23-5	ug/L	X	1100	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Dissolved Metals in Water by ICP	$DMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Aluminum	SW	7429-90-5	ug/L	ND	120	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Antimony	SW	7440-36-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Arsenic	SW	7440-38-2	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Barium	SW	7440-39-3	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Barium	SW	7440-39-3	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Beryllium	SW	7440-41-7	ug/L	ND	9.0	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Cadmium	SW	7440-43-9	ug/L	ND	11	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Calcium	SW	7440-70-2	ug/L	ND	100	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Calcium	SW	7440-70-2	ug/L	ND	110	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Chromium	SW	7440-47-3	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Cobalt	SW	7440-48-4	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Copper	SW	7440-50-8	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Iron	SW	7439-89-6	ug/L	ND	40	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Iron	SW	7439-89-6	ug/L	ND	45	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Lead	SW	7439-92-1	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Magnesium	SW	7439-95-4	ug/L	ND	100	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Magnesium	SW	7439-95-4	ug/L	ND	110	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Manganese	SW	7439-96-5	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Manganese	SW	7439-96-5	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Nickel	SW	7440-02-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Potassium	SW	7440-09-7	ug/L	x	1100	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Selenium	SW	7782-49-2	ug/L	ND	45	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Silver	SW	7440-22-4	ug/L	ND	11	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Sodium	SW	7440-23-5	ug/L	x	1100	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Thallium	SW	7440-28-0	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Vanadium	SW	7440-62-2	ug/L	ND	22	10/29/2013 16:20	11/6/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_METW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Laboratory Reagent Blank	$B_DMETW_PE	Zinc	SW	7440-66-6	ug/L	ND	22	10/29/2013 16:20	11/6/2013

13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Aluminum	SW	7429-90-5	ug/L	ND	110	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Antimony	SW	7440-36-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Arsenic	SW	7440-38-2	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Barium	SW	7440-39-3	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Beryllium	SW	7440-41-7	ug/L	ND	8	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Cadmium	SW	7440-43-9	ug/L	ND	10	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Calcium	SW	7440-70-2	ug/L	6500	100	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Chromium	SW	7440-47-3	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Cobalt	SW	7440-48-4	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Copper	SW	7440-50-8	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Iron	SW	7439-89-6	ug/L	ND	40	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Lead	SW	7439-92-1	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Magnesium	SW	7439-95-4	ug/L	940	100	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Manganese	SW	7439-96-5	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Nickel	SW	7440-02-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Potassium	SW	7440-09-7	ug/L	x	1000	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Selenium	SW	7782-49-2	ug/L	ND	40	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Silver	SW	7440-22-4	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Sodium	SW	7440-23-5	ug/L	x	1000	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Thallium	SW	7440-28-0	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Vanadium	SW	7440-62-2	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Total Recoverable Metals in Water by ICP	$METW_PE	Zinc	SW	7440-66-6	ug/L	ND	20	10/29/2013 16:20	11/4/2013
13100035	SW-13-LB39A	AB44544	Toxicity Test 7-day Chronic Ceriodaphnia	TXCCD	Toxicity Test 7-day Chronic Ceriodaphnia	SW		mg/L	Done		10/29/2013 16:20	1/23/2014
13100035	SW-13-LB39A	AB44544	Toxicity Test 7-day Chronic Fathead	TXCFH	Toxicity Test 7-day Chronic Fathead	SW		mg/L	Done		10/29/2013 16:20	1/23/2014
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	96.0	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	96.0	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	96.0	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	38.4	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	48.0	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	96.0	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	96.0	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	96.0	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	96.0	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	96.0	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	96.0	4.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	96.0	3.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	19.2	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	96.0	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	96.0	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Amount Spiked (mg/Kg) $METMS_PE	$A_METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	96.0	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	9800	10.8	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	97.4	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	94.4	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Barium	Sediment	7440-39-3	mg/Kg	163	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	54.1	0.784	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	60.4	0.980	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	6380	9.80	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	76.6	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	105	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Copper	Sediment	7440-50-8	mg/Kg	83.2	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Iron	Sediment	7439-89-6	mg/Kg	14200	3.92	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Lead	Sediment	7439-92-1	mg/Kg	86.9	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	3280	9.80	10/29/2013 16:33	11/12/2013

13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	294	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	58.9	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	9.80	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	150	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Silver	Sediment	7440-22-4	mg/Kg	36.5	0.980	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	9.80	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	111	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	59.9	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Lab Control Sample for $METMS_PE	$CSMETMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	140	1.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Aluminum	Sediment	7429-90-5	%	96.1	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Antimony	Sediment	7440-36-0	%	92.8	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Arsenic	Sediment	7440-38-2	%	92.8	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Barium	Sediment	7440-39-3	%	97.0	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Beryllium	Sediment	7440-41-7	%	99.5	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Cadmium	Sediment	7440-43-9	%	102	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Calcium	Sediment	7440-70-2	%	101	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Chromium	Sediment	7440-47-3	%	98.4	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Cobalt	Sediment	7440-48-4	%	98.1	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Copper	Sediment	7440-50-8	%	102	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Iron	Sediment	7439-89-6	%	106	10	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Lead	Sediment	7439-92-1	%	96.4	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Magnesium	Sediment	7439-95-4	%	101	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Manganese	Sediment	7439-96-5	%	101	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Nickel	Sediment	7440-02-0	%	103	4.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Potassium	Sediment	7440-09-7	%	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Selenium	Sediment	7782-49-2	%	86.2	3.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Silver	Sediment	7440-22-4	%	95.0	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Sodium	Sediment	7440-23-5	%	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Thallium	Sediment	7440-28-0	%	92.3	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Vanadium	Sediment	7440-62-2	%	97.3	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB % Recovery	$L_METMS_PE	Zinc	Sediment	7440-66-6	%	99.9	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Aluminum	Sediment	7429-90-5	ug/L	1000	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Antimony	Sediment	7440-36-0	ug/L	1000	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Arsenic	Sediment	7440-38-2	ug/L	1000	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Barium	Sediment	7440-39-3	ug/L	1000	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Beryllium	Sediment	7440-41-7	ug/L	400	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cadmium	Sediment	7440-43-9	ug/L	500	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Calcium	Sediment	7440-70-2	ug/L	10000	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Chromium	Sediment	7440-47-3	ug/L	1000	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Cobalt	Sediment	7440-48-4	ug/L	1000	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Copper	Sediment	7440-50-8	ug/L	1000	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Iron	Sediment	7439-89-6	ug/L	1000	10	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Lead	Sediment	7439-92-1	ug/L	1000	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Magnesium	Sediment	7439-95-4	ug/L	10000	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Manganese	Sediment	7439-96-5	ug/L	1000	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Nickel	Sediment	7440-02-0	ug/L	1000	4.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Potassium	Sediment	7440-09-7	ug/L	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Selenium	Sediment	7782-49-2	ug/L	1000	3.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Silver	Sediment	7440-22-4	ug/L	200	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Sodium	Sediment	7440-23-5	ug/L	X	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Thallium	Sediment	7440-28-0	ug/L	1000	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Vanadium	Sediment	7440-62-2	ug/L	1000	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Amount Spiked (ug/L)	$LAMETMS_PE	Zinc	Sediment	7440-66-6	ug/L	1000	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Aluminum	Sediment	7429-90-5	ug/L	961	11	10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Antimony	Sediment	7440-36-0	ug/L	928	2.0	10/29/2013 16:33	11/13/2013

13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Arsenic	Sediment	7440-38-2	ug/L	928	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Barium	Sediment	7440-39-3	ug/L	970	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Beryllium	Sediment	7440-41-7	ug/L	398	0.80		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Cadmium	Sediment	7440-43-9	ug/L	510	1.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Calcium	Sediment	7440-70-2	ug/L	10100	10		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Chromium	Sediment	7440-47-3	ug/L	984	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Cobalt	Sediment	7440-48-4	ug/L	981	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Copper	Sediment	7440-50-8	ug/L	1020	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Iron	Sediment	7439-89-6	ug/L	1060	4.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Lead	Sediment	7439-92-1	ug/L	964	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Magnesium	Sediment	7439-95-4	ug/L	10100	10		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Manganese	Sediment	7439-96-5	ug/L	1010	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Nickel	Sediment	7440-02-0	ug/L	1030	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Potassium	Sediment	7440-09-7	ug/L	X	10		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Selenium	Sediment	7782-49-2	ug/L	862	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Silver	Sediment	7440-22-4	ug/L	190	1.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Sodium	Sediment	7440-23-5	ug/L	X	10		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Thallium	Sediment	7440-28-0	ug/L	923	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Vanadium	Sediment	7440-62-2	ug/L	973	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	LFB Result (ug/L)	$LSMETMS_PE	Zinc	Sediment	7440-66-6	ug/L	999	2.0		10/29/2013 16:33	11/13/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	44.9	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	88.9	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	140	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	38.0	0.768		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	47.9	0.960		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	119	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	97.8	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	111	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	94.3	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	597	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	112	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	9.60		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	83.7	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	18.6	0.960		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	9.60		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	85.9	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	116	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Matrix Spike Result (mg/Kg) $METMS_PE	$S_METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	131	1.92		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	11000	11		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	1.9	J1	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	47	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	0.77		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	0.96		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	2100	9.6		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	28	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	6.6	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	12	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	15000	3.8		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	4.0	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6100	9.6		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	440	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	23	1.9		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	9.6		10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	3.8		10/29/2013 16:33	11/12/2013

13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	0.96	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	9.6	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	1.9	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	26	1.9	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	42	1.9	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	46.8	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	92.6	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	96.9	20	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	99.0	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	99.8	0.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	94.8	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	95.0	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	103	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	94.1	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	R	1.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	92.7	4.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	ND	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	87.2	3.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	96.9	1.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	ND	500	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	89.5	2.5	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	93.8	5.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	MS Recovery (%) $METMS_PE	$R_METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	92.7	6.0	10/29/2013 16:33	11/12/2013
13100035	SED-13-LB39A	AB44545	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 16:33	1/23/2014
13100035	SED-13-LB39A	AB44545	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 16:33	1/23/2014
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	12000	33	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	66	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	2.4	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	3.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	8000	30	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	30	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	24	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	410	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	50000	12	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	7.7	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6400	30	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	840	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	25	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	30	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	12	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	3.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	30	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	29	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	140	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	0	20	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	NC	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	NC	1.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Barium	Sediment	7440-39-3	mg/Kg	1.5	20	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	NC	0.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	NC	0.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	7.2	500	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	3.3	1.0	10/29/2013 10:35	11/12/2013

13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	4.3	5.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Copper	Sediment	7440-50-8	mg/Kg	29	2.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Iron	Sediment	7439-89-6	mg/Kg	2.0	10	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Lead	Sediment	7439-92-1	mg/Kg	4.0	1.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	3.1	500	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	4.7	1.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	4.1	4.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	500	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	NC	3.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Silver	Sediment	7440-22-4	mg/Kg	NC	1.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	500	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	NC	2.5	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	0	5.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	RPD Sample Duplicate (%) $METMS_PE	$SPMETMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	6.9	6.0	10/29/2013 10:35	11/12/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	12000	33	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Barium	Sediment	7440-39-3	mg/Kg	67	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	2.4	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	3.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	8600	30	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	31	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	23	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Copper	Sediment	7440-50-8	mg/Kg	550	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Iron	Sediment	7439-89-6	mg/Kg	51000	12	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Lead	Sediment	7439-92-1	mg/Kg	7.4	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6600	30	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	880	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	24	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	30	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	12	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	3.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	30	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	29	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sample Duplicate Result (mg/Kg)	$SDMETMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	150	6.0	10/29/2013 10:35	11/13/2013
13100035	SED-13-CB6	AB44546	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 10:35	1/23/2014
13100035	SED-13-CB6	AB44546	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 10:35	1/23/2014
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	11000	32	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	54	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	2.4	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	2.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	13000	29	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	30	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	18	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	610	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	45000	12	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	8.3	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	5800	29	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	950	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	21	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	29	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	12	10/29/2013 12:12	11/12/2013

13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	2.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	29	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	28	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	120	5.9	10/29/2013 12:12	11/12/2013
13100035	SED-13-CB16	AB44547	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 12:12	1/23/2014
13100035	SED-13-CB16	AB44547	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 12:12	1/23/2014
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	17000	44	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	52	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	3.2	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	4.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	3000	40	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	64	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	140	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	3300	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	88000	16	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	17	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6900	40	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	2400	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	58	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	40	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	16	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	4.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	40	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	39	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	300	8.0	10/29/2013 13:48	11/12/2013
13100035	SED-13-SOct	AB44548	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 13:48	1/23/2014
13100035	SED-13-SOct	AB44548	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 13:48	1/23/2014
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	16000	44	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	55	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	3.2	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	4.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	2500	40	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	65	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	130	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	3100	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	87000	16	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	16	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6800	40	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	2200	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	56	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	40	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	16	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	4.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	40	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	39	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-DUP	AB44549	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	300	8.0	10/29/2013 13:46	11/12/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	19000	23	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	4.2	10/29/2013 14:48	11/13/2013

13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	61	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	1.7	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	7.4	2.1	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	3500	21	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	41	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	180	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	2800	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	38000	8.5	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	18	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	7100	21	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	3100	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	76	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	x	21	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	8.5	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	2.1	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	x	21	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	36	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	1000	4.2	10/29/2013 14:48	11/13/2013
13100035	SED-13-SM1t	AB44550	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 14:48	1/23/2014
13100035	SED-13-SM1t	AB44550	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 14:48	1/23/2014
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	11000	11	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	45	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	0.77	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	ND	0.96	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	1700	9.6	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	30	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	10	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	43	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	15000	3.8	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	3.1	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	6900	9.6	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	380	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	27	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	9.6	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	3.8	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	0.96	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	9.6	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	27	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	61	1.9	10/29/2013 15:34	11/12/2013
13100035	SED-13-LB39B	AB44551	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 15:34	1/23/2014
13100035	SED-13-LB39B	AB44551	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 15:34	1/23/2014
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Aluminum	Sediment	7429-90-5	ug/L	ND	110	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Antimony	Sediment	7440-36-0	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Arsenic	Sediment	7440-38-2	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Barium	Sediment	7440-39-3	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Beryllium	Sediment	7440-41-7	ug/L	ND	8.0	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Cadmium	Sediment	7440-43-9	ug/L	ND	10	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Calcium	Sediment	7440-70-2	ug/L	ND	100	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Chromium	Sediment	7440-47-3	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Cobalt	Sediment	7440-48-4	ug/L	ND	20	10/29/2013 16:00	11/12/2013

13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Copper	Sediment	7440-50-8	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Iron	Sediment	7439-89-6	ug/L	ND	40	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Lead	Sediment	7439-92-1	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Magnesium	Sediment	7439-95-4	ug/L	ND	100	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Manganese	Sediment	7439-96-5	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Nickel	Sediment	7440-02-0	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Potassium	Sediment	7440-09-7	ug/L	X	1000	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Selenium	Sediment	7782-49-2	ug/L	ND	40	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Silver	Sediment	7440-22-4	ug/L	ND	10	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Sodium	Sediment	7440-23-5	ug/L	X	1000	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Thallium	Sediment	7440-28-0	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Vanadium	Sediment	7440-62-2	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Laboratory Reagent Blank	$B_METMS_PE	Zinc	Sediment	7440-66-6	ug/L	ND	20	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Aluminum	Sediment	7429-90-5	mg/Kg	17000	11	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Antimony	Sediment	7440-36-0	mg/Kg	ND	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Arsenic	Sediment	7440-38-2	mg/Kg	ND	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Barium	Sediment	7440-39-3	mg/Kg	45	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Beryllium	Sediment	7440-41-7	mg/Kg	ND	0.77	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Cadmium	Sediment	7440-43-9	mg/Kg	1.4	0.96	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Calcium	Sediment	7440-70-2	mg/Kg	2100	9.6	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Chromium	Sediment	7440-47-3	mg/Kg	34	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Cobalt	Sediment	7440-48-4	mg/Kg	69	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Copper	Sediment	7440-50-8	mg/Kg	880	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Iron	Sediment	7439-89-6	mg/Kg	22000	3.8	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Lead	Sediment	7439-92-1	mg/Kg	8.0	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Magnesium	Sediment	7439-95-4	mg/Kg	7200	9.6	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Manganese	Sediment	7439-96-5	mg/Kg	1300	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Nickel	Sediment	7440-02-0	mg/Kg	39	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Potassium	Sediment	7440-09-7	mg/Kg	X	9.6	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Selenium	Sediment	7782-49-2	mg/Kg	ND	3.8	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Silver	Sediment	7440-22-4	mg/Kg	ND	0.96	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Sodium	Sediment	7440-23-5	mg/Kg	X	9.6	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Thallium	Sediment	7440-28-0	mg/Kg	ND	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Vanadium	Sediment	7440-62-2	mg/Kg	29	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Metals in Soil Medium Level by ICP	$METMS_PE	Zinc	Sediment	7440-66-6	mg/Kg	380	1.9	10/29/2013 16:00	11/12/2013
13100035	SED-13-SC2	AB44552	Sediment Toxicity Test 10 Day C.tentans	TOXCT	Sediment Toxicity Test 10 Day C.tentans	Sediment			Done		10/29/2013 16:00	1/23/2014
13100035	SED-13-SC2	AB44552	Sediment Toxicity Test 10 Day H.azteca	TOXHA	Sediment Toxicity Test 10 Day H.azteca	Sediment			Done		10/29/2013 16:00	1/23/2014