



To: Distribution

From: Stephen Smith, Technical Writer

Thru: Ernestine Bryant, STOrage and RETrieval (STORET), Project Manager (PjM),
Solutions Delivery Center (SDC)

Subject: Minutes of STORET Change Control Board (CCB) Meeting

1.0 Purpose

A CCB Meeting was held on October 21, 2004 at the SDC. The purpose of the meeting was to review and address the status of current project activities, resolve project issues, and ensure that activities are within the scope of the Job Assignment (JA).

2.0 Attendees

Bryant, Ernestine - Project Manager
Christian, Kevin
Hickling, Donna
King, Robert - Job Assignment Manager (JAM)
Manning, Lee
McElhinney, Cary
Norris, Blythe
Smith, Stephen
Thadkamalla, Ganesh
Wilson, Joseph

3.0 Discussion Topics

The discussion covered the following topics:

- Action Items.
- STORET National Conference.

- Central Administration Module.
- Organization Preference and Default Replication Interface.
- Report Module.
- Central Warehouse.

3.1 Introduction

Attendees opened the meeting with a summary of project activities and a status of open action items. SIR Log (Attachment A) is included as a deliverable with these CCB Minutes. There were no new User Support requests since the last CCB.

3.2 STORET National Conference

Entity Relationship Diagrams for the Central Warehouse and STORET v2.0 database will be prepared for use at the National STORET Users Conference.

S. Smith demonstrated ways in which STORET converted units may be used. Data was retrieved from the Central Warehouse and used to demonstrate the application of result values converted to a target unit. Two graphs were presented showing the same data in converted and unconverted form (Attachment B). Trends and data anomalies could be recognized in the converted graphs; whereas, such types of analysis were not facilitated by the unconverted data.

3.3 Central Administration Module

A decision was made to include all TSMGEOPA state postal codes (to include numeric entries) in the Native American Land (TSMNAL) reference table state drop down list.

The Estuary (TSMESTRY) reference table maintenance design was discussed. Existing screens (Attachment C) were reviewed to help identify changes for the redesign. The following summarizes the decisions that were made:

- Place the primary estuary list box, secondary estuary list box, and a data entry fields on a single form.
- Provide ability to search by TSMESTRY_IS_Number and Country/State.
- Provide ability to assign and unassign secondary estuaries; do not orphan secondary estuaries.
- Provide ability to demote a primary estuary to a secondary estuary as long as the primary estuary does not have secondary assignments.

3.4 Organization Preference and Default Replication Interface

A prototype of a graphical user interface for the Organization Preference and Default Replication Utility was demonstrated. This prototype will be presented at the National STORET Users Conference to include the following changes:

- Change the product title to something *shorter* and *more flashy*. The specific titled will be reviewed and validated at a later time.
- Hide the MS-DOS windows.
- Add Help buttons to each form.
- Remove documentation links from menu. These will eventually be part of Help.
- Use DEMOTEST as the “Source” Organization.

The final product will require the following additional changes:

- Make the manual comparison of database and reference table version *easier* for the users to review. The specific mechanism will be reviewed and validated at a later time.
- Allow user to define/enter the application schema owner and application user. Currently, the schema owner must be STORET1 and STORUSER respectively.
- Show progress through updated status messages.

3.5 Report Module

A prototype of the capability to identify and retrieve Binary Large Objects (BLOBs) using the Report Module was demonstrated. The prototype employed methodologies utilized by the Data Entry Module. The following comments were received:

- Change the title of the button from BLOB to Document/Graphic. It was noted that larger button sizes to accommodate longer titles would require more significant adjustments to placement of existing fields.
- If possible, eliminate the need to login to the database for retrieving the BLOB.

In general, BLOB retrieval will be available in the current printed reports anywhere BLOBs are associated. The specific reports and BLOB associations will be presented and reviewed in the future. This capability will be presented at the National STORET Users Conference.

3.6 Central Warehouse

The Central Warehouse application and Extract, Transform, and Load (ETL) scripts date format will be reviewed to ensure date is stored and displayed as expected.

The following table design for automated tracking of Central Warehouse data requests was reviewed:

Table: DW_DATA_REQUESTS

REQUEST_TYPE	CHAR(3)
DATETIME	DATE
FILESIZE_KB	NUMBER
F_STATE	CHAR(1)
F_COUNTY	CHAR(1)
F_LATLONG	CHAR(1)
F_HUC	CHAR(1)
F_STATIONTYPE	CHAR(1)
F_CHARACTERISTIC	CHAR(1)
F_ORGANIZATION	CHAR(1)
F_STATION	CHAR(1)
F_ACT_STARTDATE	CHAR(1)
F_ACT_MEDIUM	CHAR(1)
F_PROJECT	CHAR(1)
F_ACT_INTENT	CHAR(1)
F_COMMUNITY_SAMPLED	CHAR(1)

A default of “0” is set for the tracked data elements (i.e., F_* columns). Long term requirements for use need to be defined further before final modeling. Other design options will be explored which accommodate expansions to the tracked data elements.

The Result Downloads report layout element for Station Types was reviewed and approved (Attachment D).

4.0 Action Item Summary

Action items and their status are as follows:

Number	Action Item	Assignment	Date Issued	Status	Date Completed
0001	Research VB.NET capabilities and provide response.	B. Norris	06/02/2004	Closed	09/08/2004
0002	Provide STORET team with copy of Dasler software.	B. King	06/02/2004	Closed	08/25/2004
0003	Provide BEACHES program with STORET architecture information (e.g., Entity Relationship Diagram, data definitions).	J. Wilson	06/28/2004	Closed	07/28/2004
0004	Run ETL software week of July 12 th .	J. Wilson	06/28/2004	Closed	07/28/2004
0005	Provide copy of email discussing required changes to implement Uniform Resource Locator (URL) encoding for the Station Home Page.	B. Norris	06/14/2004	Closed	08/06/2004
0006	Send Report Module v2.0.3 deliverable.	S. Smith	07/28/2004	Closed	07/28/2004
0007	Include scripts to remove orphaned rows and nullify type_name column in TSRCHALS for next reference table upgrade.	L. Manning	07/28/2004	Closed	08/23/2004
0008	Investigate ITIS data acquisition and supplementary data processing.	L. Manning	07/28/2004	Open	
0009	Examine Native American Land (NAL) data for compliance to the Environmental Data Registry (EDR).	B. Norris	08/23/2004	Closed	09/08/2004
0010	Review structure of TSMNAICS table to see if it was expanded from its original source.	S. Smith	08/23/2004	Closed	09/08/2004
0011	Send Data Entry Module v2.0.1 deliverable.	S. Smith	09/08/2004	Closed	09/08/2004
0012	Prepare Entity Relationship Diagrams of the Central Warehouse and STORET Database for the National Conference.	B. Norris	10/8/2004	Open	
0013	Prepare graphs showing results converted to target units for possible use at the National Conference	S. Smith	10/08/2004	Closed	10/21/2004

5.0 Next Meeting

The next meeting will be held on November 4, 2004.

6.0 Distribution

Name	Email
Bryant, Ernestine	
Christian, Kevin	Christian.Kevin@epamail.epa.gov
King, Robert	King.Robert@epamail.epa.gov
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McElhinney, Cary	Mcelhinney.Cary@epa.gov
Szajgin, Tracey	
Wilson, Joseph	Wilson.Joe@epa.gov

7.0 Approval of Minutes

Robert E. King
Job Assignment Manager

Date

ATTACHMENT A

SIRs Since Last CCB

Software Incident Reports Since Last CCB - Period: 09/22/2004 - 10/19/2004			
Release Version	Date Initiated	SIR #	Description
P	10 14 2004	1641	<p>Increase size of the Label field on P47 Label Data Entry (Station area) from 20 characters to 30.</p> <p>Impact: The Label field on P47 is defined in table TSMRFLBL.LABEL_CODE as VARCHAR2(20). Increasing this length would require:</p> <ul style="list-style-type: none"> - The application of a script to change the database definition. - Recompile of application with the modified definition; otherwise, any value in this field over 20 would produce an error. <p>Note: The physical length of the data entry field seems already wide enough to accommodate 30 W's.</p>
R	10 14 2004	1642	Add the Station Description to the Station Summary Export report. Need to discuss the alternative or additional application of the field to the All_Station_Details view.
UA2.0.1	10 07 2004	1640	Create a graphical user interface for the Organization Preference and Default Replication Utility.

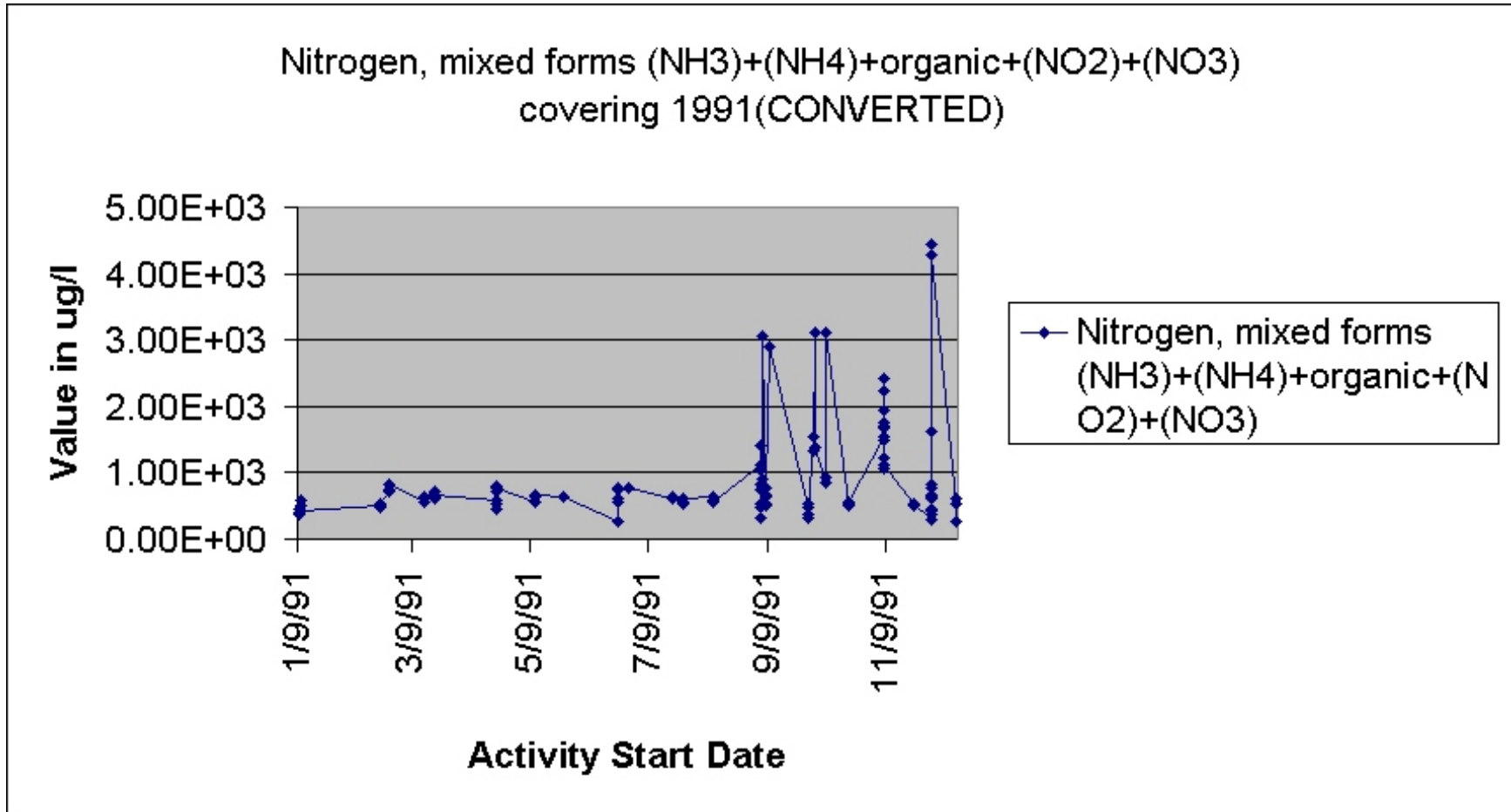
Legend for System Version:

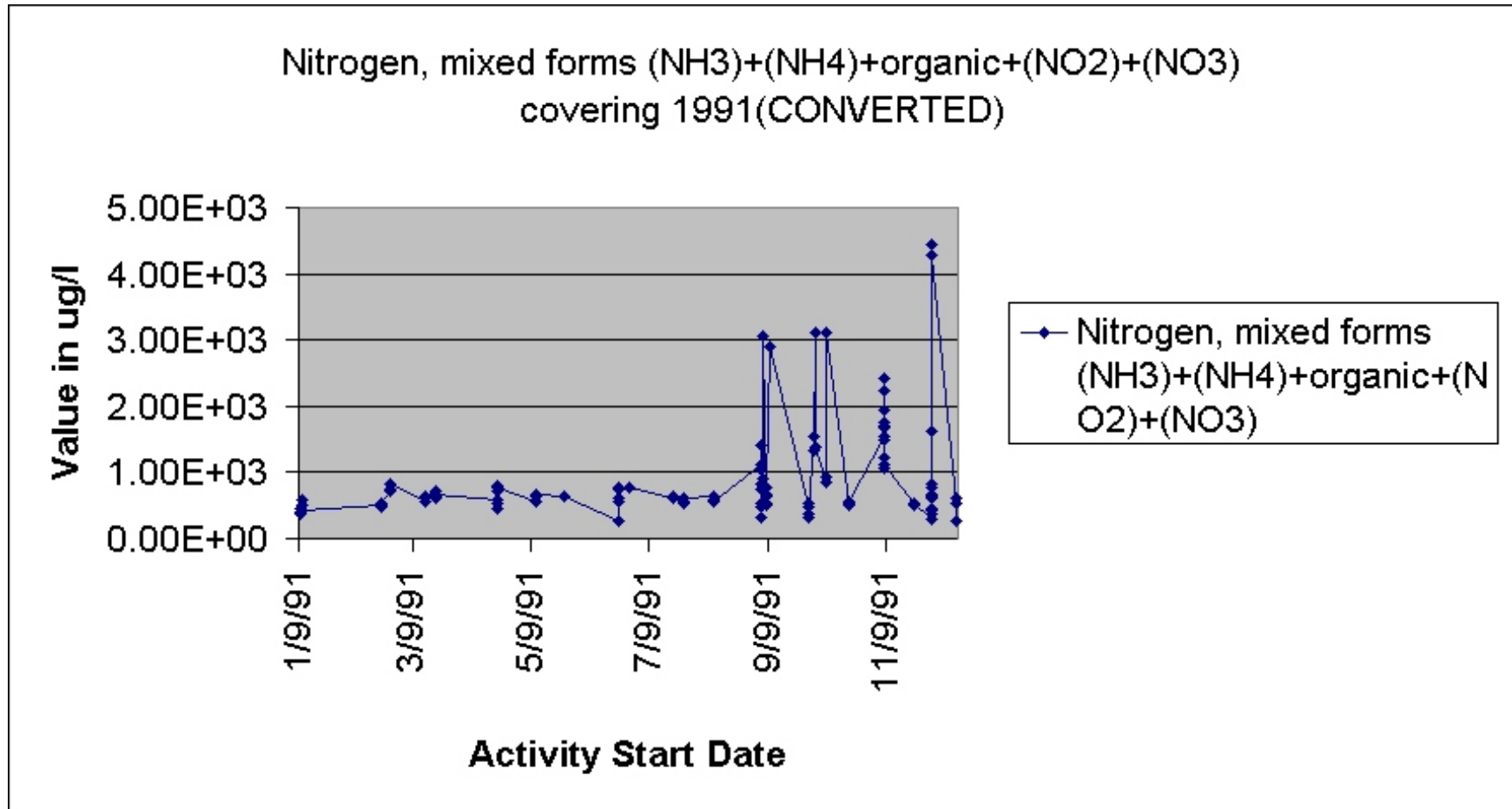
System Letter is concatenated with Version Number. System Letter Key:

C = Central Warehouse, E = Station Home Page, P = Data Entry Module, R = Report Module, T = Central Administration, U* = Utilities

ATTACHMENT B

Converted/Unconverted Data Graphs





ATTACHMENT C
Current Estuary Design

Estuary Current Design

SQL> describe tsmestry;

Name	Null?	Type
-----	-----	-----
TSMESTRY_IS_NUMBER	NOT NULL	NUMBER(12)
TSMESTRY_ORG_ID	NOT NULL	CHAR(8)
NAME	NOT NULL	VARCHAR2(30)
COUNTRY_CODE	NOT NULL	CHAR(2)
STATE_PROVINCE_NAME	NOT NULL	VARCHAR2(40)
PRIMARY_INDICATOR	NOT NULL	CHAR(1)
D_USERID_CODE	NOT NULL	CHAR(8)
D_LAST_UPDT_TS	NOT NULL	DATE
TSMESTRY0ORG_ID		CHAR(8)
TSMESTRY0IS_NUMBER		NUMBER(12)

Estuary Maintenance List:

RT22 Estuary Maintenance List

Country: US State: Alabama

Primary Estuary

- Bon Secour Bay
- Intracoastal Waterway
- Mississippi Sound
- Mobile Bay
- Other Estuary
- Perdido Bay

Secondary Estuary

- Alabama River
- Chickasaw River
- Grand Bay
- Mobile River
- Polecat Bay
- Tensaw River
- Weeks Bay

Buttons: Add, Change, Delete, Close, Help

State Selection List:

RT22A State Selection List

State/Province Name

- Alabama
- Alaska
- Alaska-Kodiak Is.
- California
- Connecticut
- Delaware
- Florida
- Georgia
- Guam
- Hawaii-Hawaii
- Hawaii-Kauai
- Hawaii-Lanai
- Hawaii-Maui
- Hawaii-Molokai
- Hawaii-Oahu
- Louisiana
- Maine
- Maryland
- Massachusetts
- Mississippi
- New Hampshire
- New Jersey
- New York
- North Carolina

Buttons: Select, Close, Help

Estuary Data Entry:

RT23 Estuary Data Entry

Estuary Name: Polecat Bay

Country: US

State: Alabama >>

Primary Estuary

Primary Indicator

Primary

Secondary

Primary Estuary: Mobile Bay >>

Date of Last Update: 2003-01-01-00.00.00.000000

Updated By: USERV20

Accept Cancel Help

State Selection (from Data Entry):

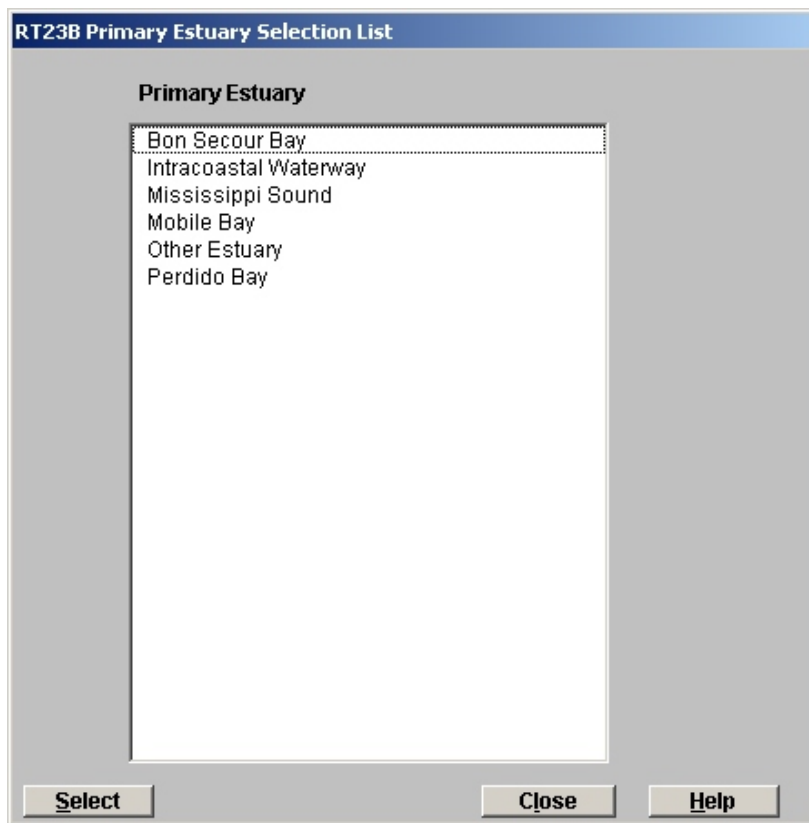
RT23A State Selection List

State/Province Name

- Alabama
- Alaska
- Alaska-Kodiak Is.
- California
- Connecticut
- Delaware
- Florida
- Georgia
- Guam
- Hawaii-Hawaii
- Hawaii-Kauai
- Hawaii-Lanai
- Hawaii-Maui
- Hawaii-Molokai
- Hawaii-Oahu
- Louisiana
- Maine
- Maryland
- Massachusetts
- Mississippi
- New Hampshire
- New Jersey
- New York
- North Carolina

Select Close Help

Primary Estuary Selection (from Data Entry):



ATTACHMENT D

Central Warehouse Element Layout

Warehouse Result Report Element Layout - Regular Results
October 04, 2004

Basic Org Info
Org ID
Org Name

Basic Station Info
Station ID
Station Name
Station Location Info
..... State
..... County
..... HUC
Station Lat/Long
..... Station Latitude
..... Station Longitude
..... Station Horizontal Datum
Conv Station Lat/Long
..... Converted Station Latitude
..... Converted Station Longitude
..... Converted Station Horizontal Datum
Station Types
..... Primary Type
..... Secondary Type
S/G/O Indicator

Station Visit Info
Visit Num
Visit Start
..... Visit ID
..... Zone
Visit Stop
..... Visit Stop
..... Zone
Trip ID
Trip Name

Basic Activity Info
Activity ID
Activity Start
..... Activity Start
..... Zone
Activity Stop
..... Activity Stop
..... Zone
Activity Medium
Activity Matrix
Activity Type
Activity Category-Rep Num
Activity Integ
Field Set

Actual Activity Location Info
Actual Point Type
Actual Point Sequence
Actual Point Name
Actual Activity Lat/Long
..... Actual Activity Latitude
..... Actual Activity Longitude
..... Actual Activity Horizontal Datum
Conv Actual Activity Lat/Long
..... Converted Actual Activity Latitude
..... Converted Actual Activity Longitude
..... Converted Actual Activity Horizontal Datum
Well Number
Pipe Number
Additional Act Location Info
..... Geopositioning Method
..... Map Scale

Activity Depth Info
Activity Depth
Activity Depth Unit
Activity Upper Depth
Activity Rel Depth
Activity Lower Depth
Upr Lwr Depth Unit

Activity Meta Data
Sample Collection ID
Field Gear ID
Field Gear Config ID
Sample Preservation
..... Container Desc
..... Temp Pres Type
..... Pres Storage Proc

Basic Result Info
Portable Data Logger
Characteristic Name
CAS Num
EPA Registry Num
ITIS Num
Sample Fraction
Value Type
Statistic Type
Result Value as Text
Result Value as Number
Units
Converted Result Value
Converted Result Unit

Basic Result Info (Continued)
Result Comment
Result Free Text
Weight Basis
Temperature Basis
Duration Basis
Particle Size Basis
Distance Measured From
Distance Measured To

Analytical Proc. Info
Analytical Proc. ID (w/ acronym)
Additional Anal Proc Info
..... Detection Limit (w/ units)
..... Detection Limit Descript
..... Lower Quantification Limit
..... Upper Quantification Limit

Basic Lab Info
Lab Remark
Dilution Ind
Recovery Ind
Correction Ind
Other Lab Info
..... Lab ID
..... Lab Name
..... Lab Cert
..... Lab Batch ID
..... Analysis Date
..... Zone

Result QA Info
Num of Reps
Precision
Bias
Conf Level
Correction for Bias Ind

BLOB Info
Result Document/Graphic Name
Result Document/Graphic URL
Activity Document/Graphic Name
Activity Document/Graphic URL

Notes: Underlined Elements are selected by Default