

December 7, 2010 Proposed Plan Upper Basin PFT Meeting

Note: These salient point notes were recorded by CH2M HILL for EPA are only intended to record the key decisions and not the details of the discussion.

The purpose of this meeting was to discuss the response process that will be used for Proposed Plan comments, to discuss the Adaptive Management and Implementation Plans, and to discuss the overall site list included in the Proposed Plan and potential ways this list may be further categorized. The agenda for this meeting is attached.

UPDATE ON PROPOSED PLAN/ROD AMENDMENT

EPA reported that they are in the process of getting all the public comments provided on the Proposed Plan scanned and entered into an electronic comment tracking system. Once the comments are in the system, individual comments within a comment letter will be delineated, assigned a unique identification number, and then a corresponding response from EPA will be provided that addresses that specific comment. All comment letters/statements and corresponding responses will be included in a single document called a 'Comment Response Summary'. At this time, EPA has not yet assessed how long the comment response process will take.

ADAPTIVE MANAGEMENT DOCUMENT AND IMPLEMENTATION PLAN

The differences between the Adaptive Management Plan and the Implementation Plan were discussed. In summary, and as described in the Proposed Plan, the Adaptive Management Plan (AMP) is a six step process that outlines the framework and tools that will be used to select and prioritize sites, adjust the Remedy based on monitoring and implementation feedback, and track performance of the Remedy with respect to site-wide and action-specific RAOs and performance standards. The One- and Five-Year Implementation Plans are the output from the AMP process and will be developed through the Basin Commission.

The Implementation Plan will summarize proposed 1-year and 5-year plans for remediation of mine waste areas. As part of the AMP process, remedial actions that are completed will then be monitored for effectiveness in meeting the actions' specific objectives. The AMP is intended to be revisited as needed (either yearly and/or once every five years in conjunction with Five Year ROD reviews) to develop additional Implementation Plans. The adaptive management reviews conducted in conjunction with the 5-year ROD Review will be a much more formal process and will follow the Remedy evaluation process identified in the AMP and the 5-year ROD Review guidance. As needed, changes will be made to the AMP, Implementation Plans, and the Remedy itself to address the findings of the adaptive management reviews.

Additional items noted in this discussion:

- The ASARCO Work Trust settlement funds are separate from the Natural Resource Trustee's settlement funds. The Work Trust must be used for CERCLA remediations within OU3 (both Upper and Lower Basin) and can not be used in the Box. The Natural Resource Trustee's settlement funds will be used for restoration of sites where either remediation is complete or where no remediation is planned where but the Natural Resource Trustee's would like to improve habitat.
- Currently, remediation work can only be conducted on the sites included in the Interim ROD until a ROD Amendment is issued that would add additional sites.
- Work that is anticipated to be completed by the Trust in 2011 will be included in the Basin Commission work plan for 2011 (Section 1.3.1), which should be available on the Basin Commission website next week.

PROPOSED PLAN SITE LIST AND CATEGORIZATION DISCUSSIONS

The PFT discussed whether the Proposed Plan sites should be grouped into subcategories that better convey the risk and priority of cleanup amongst the sites, with specific acknowledgment that for many sites little site-specific data exists.

After some discussion, it was the general consensus of the PFT members that it is warranted to keep sites with little to no data in the ROD Amendment until the risk and/or hazard of the site can be assessed with site investigations conducted after the ROD Amendment is issued. As an example, it was the opinion of the U.S. Forest Service representative of the PFT, that none of the identified remaining sites in the upper reaches of Moon Creek watershed should be removed from the Proposed Plan list, even considering the successful remediations that have been conducted to date in this watershed. It was felt that each site should be evaluated and that it is not appropriate to arbitrarily remove sites from the list without looking at them first and understanding if there is a risk or not. It was also noted by EPA that they are amenable to removing sites from the Proposed Plan list prior to issuance of the ROD Amendment if sufficient, scientifically sound and quantifiable data exists to substantiate that no risk or hazard is present.

Potential categories to group sites were discussed. The following categories were agreed upon, in principle, as having merit of further evaluation by a focused PFT team:

- Actively managed facilities (those that may be governed by an existing NPDES permit, the Institutional Control Program (ICP), a Closure Plan, and/or Operations Plan)
- Known mine waste sites that are well documented as high risk to human health and the environment ("High" priority sites)
- Sites where additional information is needed to determine human health and ecological risks
- Sites where it is acknowledged that a risk exists, but that additional data is needed to optimize selection of a technology option or remedial action approach
- Sites where some remediation has been conducted, but sufficient data does not yet exist to determine if the action is complete and functioning in accordance to its remedial action objectives.

The purpose of grouping the sites into subcategories would be to: guide responses to the comments received on the Proposed Plan; provide a means in the ROD Amendment to more clearly and explicitly describe the subset of high priority sites, and their subsequent cost and timeframe of implementation; describe more clearly how active facilities will be addressed in the CERCLA process; describe phased goals and interim benchmarks to address concerns with estimated 50 - 90 year implementation time frame; and more clearly identify the subset of sites where further site investigation is necessary.

PATH FORWARD

The next step is for a subcommittee of the Upper Basin PFT to evaluate the sites included in the Proposed Plan, their respective existing data, and assign the site to one of the site categories that were discussed during this meeting. A subcommittee will be developed to assist EPA in categorizing the sites and it is expected that the work can be accomplished in one or two workshops. At the meeting people self-volunteered to help with this effort. In addition, after the meeting PFT Chair, Bill Adams, sent an email to the Upper Basin PFT mailing list asking for volunteers. Additional specific meetings and work groups will be scheduled to discuss the categorization of the sites included in the Proposed Plan.

MEETING ADJOURNED - 3:00 PM

TABLE 1

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Big Creek Watershed

OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
POL068	UNNAMED ADIT	Upland Waste Rock (with Potential)	200	BC-260	Big Creek	Regrade/ Consolidate/Revegetate			0.200	36.7	USFS	
POL066	UNNAMED ADIT	Upland Waste Rock (with Potential)	200	BC-260	Big Creek	Excavate and Dispose			0.150	3.81	USFS	
POL001	SUNSHINE CONSOLIDATED ROCKFORD GROUP	Floodplain Waste Rock	8,160	BC-260	Big Creek	Regrade/ Consolidate/Revegetate			0	Within Water Body	PRIVATE	U.S. c/o Silver Mountain Corporation
POL052	LUCKY BOY MINE	Floodplain Waste Rock	4,600	BC-260	Big Creek	Excavate and Dispose			0.140	Within Water Body	USFS	
POL002	SILVER DALE AND BIG HILL MINE	Floodplain Waste Rock	1,700	BC-260	Big Creek	Excavate and Dispose			0.680	Within Water Body	USFS	
POL044	UNNAMED PROSPECT	Upland Waste Rock (with Potential)	200	BC-260	Big Creek	Regrade/ Consolidate/Revegetate			0.300	Within Water Body	USFS	
POL022	FIRST NATIONAL MINE	Floodplain Waste Rock	4,600	BC-260	Big Creek	Regrade/ Consolidate/Revegetate			0.850	36.4	USFS	
POL067	UNNAMED ADIT	Adit drainage		BC-260	Big Creek	Passive Treatment			0	57.4	USFS	
KLE054	CRESCENT/HOOPER TUNNEL	Upland Waste rock (with Potential) Adit drainage	160,080	BC-260	Big Creek	Excavate and Dispose Passive Treatment	1 residence within 1000'		6.15	Within Water Body	PRIVATE	Crescent Incorporated
KLE073	BIG CK IMPACTED RIPARIAN: NO. 2	Floodplain Sediments	100,000	BC-260	Big Creek	Excavate and Repository			5.81	Within Water Body	PRIVATE	Placer Mining Corporation
KLE027	NORTH AMERICAN MINE	Upland Waste Rock (with Potential)	93,120	BC-260	Big Creek	Excavate and Dispose			3.27	107	PRIVATE	Crescent Incorporated
POL008	GLOBE MINE	Floodplain Waste Rock	8,160	BC-260	Big Creek	Excavate and Dispose			0.340	3.44	BLM	
POL010	WESTERN STAR MINE	Upland Waste Rock (with Potential)	4,560	BC-260	Big Creek	Excavate and Dispose			0.190	39.4	BLM	
POL011	WOLFSON MINE	Upland Waste Rock	3,120	BC-260	Big Creek	Excavate and Dispose			0.130	17.7	USFS	
KLE053	NORTH AMERICAN/SILVER SYNDICATE MINE	Floodplain Waste Rock	196,700	BC-260	Big Creek	Excavate and Dispose			12.2	Within Water Body	PRIVATE	Essential Metals Corporation
KLE047	BIG CK IMPACTED RIPARIAN: NO. 1	Floodplain Sediments (inactive facilities)	3,323	BC-260	Big Creek	Excavate and Repository			1.19	Within Water Body	PRIVATE	Crescent Incorporated
KLE071	BIG CK IMPACTED RIPARIAN: NO. 3	Floodplain Sediments	49,000	BC-260	Big Creek	Excavate and Repository			29.7	Within Water Body	PRIVATE	Norid LLC
KLE026	SILVER SYNDICATE	Floodplain Waste Rock	88,000	BC-260	Big Creek	Regrade/ Consolidate/Revegetate			11.7	19.3	PRIVATE	

Notes

a Waste volume was provided from the BLM.

b GIS software was used to perform a pour point analysis to determine which BLM sites are located within specific drainages. The stream segment shown represents the drainage that the specific BLM site is located within.

c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.

d Observations on erosion potential were performed during the 2008 erosion survey.

e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.

f Distance to the nearest water body includes any waterbody, including unnamed tributaries.

TABLE 2

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Moon Creek Watershed

OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
KLE064	UNNAMED ADIT	Upland Waste Rock (erosion potential)	200	MC-262	Moon Creek	Regrade/ Consolidate/Revegetate			0.1	0	USFS	
KLE063	UNNAMED ADIT	Upland Waste Rock (erosion potential)	200	MC-262	Moon Creek	Regrade/ Consolidate/Revegetate			0.2	0	USFS	
KLE008	MAINE-STANDARD MINE	Upland Waste Rock (erosion potential)	16000	MC-262	Moon Creek	Regrade/ Consolidate/Revegetate			0.2	0	USFS	
KLE065	UNNAMED ADITS	Upland Waste Rock (erosion potential)	200	MC-262	Moon Creek	Regrade/ Consolidate/Revegetate			2	53.6	USFS	
KLE061	UNNAMED TUNNEL	Floodplain waste rock	200	MC-262	Moon Creek	Excavate and Repository			0.1	0	USFS	
KLE014	ROYAL ANNE MINE	Upland Waste Rock (erosion potential)	200	MC-262	Moon Creek	Excavate and Repository	within owners yard		0.5	18.0	PRIVATE	James E. Ball
KLE041	MOON CK IMPACTED RIPARIAN	Floodplain sediment	3300	MC-262	Moon Creek	Excavate and Repository			49.1	0	PRIVATE	

Notes

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c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.

d Observations on erosion potential were performed during the 2008 erosion survey.

e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.

f Distance to the nearest water body includes any waterbody, including unnamed tributaries.

TABLE 3
Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Ninemile Creek Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
BUR051	SUNSET MINE	Adit drainage		NM-289	Ninemile Creek	Passive Treatment			0	1,988	PRIVATE	Mine Ventures LLC
BUR052	LITTLE SUNSET MINE	Upland waste rock	4,000	NM-289	Ninemile Creek	Excavate and Cap			0	2,021	PRIVATE	Mine Ventures LLC
BUR053	INTERSTATE-CALLAHAN MINE/ROCK DUMPS	Upland waste rock (erosion potential)	692,000	NM-291	Ninemile Creek	Excavate and Cap w/Seep Collection	Low Human Access, and 1/2 to 1 mile from houses	Heavy erosion	8.45	0	PRIVATE	Mine Ventures LLC
BUR140	NINEMILE CREEK IMPACTED FLOODPLAIN	Floodplain sediments	10,000	NM-291	Ninemile Creek	Excavate and Repository			5.50	0	PRIVATE	Mine Ventures LLC
BUR171	TAMARACK NO.5	Upland waste rock (potential intermixed tailings) Adit Drainage	0	NM-293	Ninemile Creek	Low Permeability Cap Passive Treatment	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	0.110	1,381	PRIVATE	Mine Ventures LLC
BUR172	TAMARACK UNNAMED ADIT	Upland waste rock	0	NM-293	Ninemile Creek	Low Permeability Cap			0.420	1,175	PRIVATE	Mine Ventures LLC
BUR058	TAMARACK NO.3	Adit drainage		NM-293	Ninemile Creek	Passive Treatment			0	1,549	PRIVATE	Mine Ventures LLC
BUR170	TAMARACK 400 LEVEL	Upland waste rock (potential intermixed tailings) Adit Drainage	11,000	NM-293	Ninemile Creek	Low Permeability Cap Passive Treatment			0.950	318	PRIVATE	Mine Ventures LLC
BUR056	TAMARACK ROCK DUMPS	Upland Waste Rock (potential intermixed tailings)	293,000	NM-293	Ninemile Creek	Regrade/ Consolidate/Revegetate	Low Human Access, and 1/2 to 1 mile from houses	Moderate erosion	10.2	478	PRIVATE	Mine Ventures LLC
BUR173	TAMARACK MILLSITE	Upland tailings	0	NM-293	Ninemile Creek	Excavate and Dispose			0.700	980	PRIVATE	Mine Ventures LLC
BUR055	INTERSTATE MILLSITE	Floodplain sediments Upland Tailings	5,500 14,000	NM-293	Ninemile Creek	Excavate and Repository Excavate and Dispose	Low Human Access, and 1/2 to 1 mile from houses	No erosion	8.27	0	PRIVATE	
OSB056	EF NINEMILE CK IMPACTED RIPARIAN	Floodplain sediments	1,600	NM-293	Ninemile Creek	Excavate and Repository			11.0	0	PRIVATE	Grouse Peak LLC
BUR139	REX NO.1	Upland waste rock	0	NM-295	Ninemile Creek	Low Permeability Cap			0	759	PRIVATE	Grouse Peak LLC
BUR054	REX NO.2 / SIXTEEN-TO-ONE MINE	Upland tailings Upland Waste Rock Adit drainage	225,000 75,000	NM-295	Ninemile Creek	Impoundment Closure Low Permeability Cap Passive Treatment	High Human Access, and Within 1/4 mile from houses	Moderate erosion	0	290	BLM	J. Chris Pfahl & David H. & Christine A. Rust
OSB088	ALAMEDA MINE	Adit drainage		NM-297	Ninemile Creek	Active treatment			0	229	PRIVATE	Success Mining Company, Ltd. c/o Mel McPhee c/o Magnuson
OSB048	AMERICAN MINE	Upland waste rock	200	NM-297	Ninemile Creek	Regrade/ Consolidate/Revegetate			0.110	114	PRIVATE	Success Mining Company, Ltd. c/o Mel McPhee c/o Magnuson
OSB044	SUCCESS MINE ROCK DUMP	Floodplain sediments Upland Tailings Upland Waste Rock	10,000 360,000 17,000	NM-297	Ninemile Creek	Excavate and Repository Regrade/ Consolidate/Revegetate Excavate and Repository	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	8.13	0	PRIVATE	Success Mining Company, Ltd. c/o Mel McPhee c/o Magnuson
OSB057	EF NINEMILE CK IMPACTED RIPARIAN	Floodplain sediments	13,000	NM-297	Ninemile Creek	Excavate and Repository			9.67	0	PRIVATE	Joe North
OSB089	SUCCESS NO.3	Adit drainage		NM-297	Ninemile Creek	Active treatment	No Erosion or Human Access		0	47.7	PRIVATE	Success Mining Company, Ltd. c/o Mel McPhee c/o Magnuson
OSB058	EF NINEMILE CK SVNRT REHAB	Floodplain sediments	1,600	NM-297	Ninemile Creek	Excavate and Repository			1.00	0	BLM	U.S.
OSB115	OPTION MINE	Upland waste rock (erosion potential)	200	NM-301	Ninemile Creek	Excavate and Cap			0.150	0	PRIVATE	Grouse Peak LLC
OSB039	DAYROCK MINE	Floodplain Sediments Upland Tailings Adit Drainage	22,000 11,000	NM-301	Ninemile Creek	Excavate and Repository Excavate and Dispose Active treatment			10.7	0	PRIVATE	U.S. Silver - Idaho, Inc.
OSB059	NINEMILE CK BELOW DAYROCK MINE	Floodplain sediments	33,000	NM-301	Ninemile Creek	Excavate and Repository			5.43	0	PRIVATE	Blue Wing Mining Company c/o Zanetti Brothers
OSB040	EF NINEMILE CK HECLA REHAB	Floodplain sediments	19,000	NM-301	Ninemile Creek	Excavate and Repository			9.23	0	PRIVATE	
OSB052	DAYROCK MINE TLGS PILE/SVNRT REPOSITORY	Upland tailings - inactive facilities	200,000	NM-302	Ninemile Creek	Impoundment Closure			4.91	113	PRIVATE	Hecla Limited

TABLE 3

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OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
OSB038	CALIFORNIA NO.4	Floodplain waste rock	31,000	NM-302	Ninemile Creek	Excavate and Cap			1.28	0	PRIVATE	
OSB032	DULUTH MINE BLACKCLOUD CK	Floodplain waste rock	20,000	NM-302	Ninemile Creek	Excavate and Cap			0.840	0.8683	PRIVATE	Silver Star Mining Company
OSB033	RUTH MINE	Upland waste rock (erosion potential)	16,000	NM-302	Ninemile Creek	Excavate and Cap			0.680	29.4	PRIVATE	Silver Star Mining Company
OSB082	MONARCH MINE BLACKCLOUD CK	Floodplain waste rock	13,000	NM-302	Ninemile Creek	Excavate and Cap			0.540	0	PRIVATE	Silver Star Mining Company
OSB085	BLACKCLOUD CK IMPACTED RIPARIAN	Floodplain sediments	0	NM-302	Ninemile Creek	Excavate and Repository			8.96	0	BLM	U.S.
OSB084	BLACKCLOUD CK IMPACTED RIPARIAN	Floodplain sediments	0	NM-302	Ninemile Creek	Excavate and Repository			1.10	0	PRIVATE	Grouse Peak LLC
OSB061	BLACKCLOUD CK MILLSITE	Upland tailings	7,000	NM-303	Ninemile Creek	Excavate and Dispose	High Human Access, and Within 1/4 mile from houses		1.50	21.0	PRIVATE	Jerry Joe & Dorothy M. Caron
OSB060	NINEMILE CK SVNRT REHAB NEAR BLACKCLOUD CK	Floodplain sediments	800	NM-303	Ninemile Creek	Excavate and Dispose			12.6	0	BLM	David B. & Eva M. Truean
WAL006	NORTHSIDE MINE	Upland waste rock (erosion potential)	200	NM-304	Ninemile Creek	Excavate and Cap			0	45.9	PRIVATE	Grouse Peak LLC
WAL033	NINEMILE CK POTENTIAL TAILINGS DEPOSIT	Floodplain sediments	34,000	NM-304	Ninemile Creek	Excavate and Dispose			24.9	0	PRIVATE	Richard A. & Sallee M. Raine

Notes

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c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.

d Observations on erosion potential were performed during the 2008 erosion survey.

e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.

f Distance to the nearest water body includes any waterbody, including unnamed tributaries.

TABLE 4

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Pine Creek Watershed

OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
TWI030	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-311	Pine Creek	Excavate and Dispose			0	0	PRIVATE	Patricia Hopper
TWI029	UNNAMED ADIT	Upland waste rock	200	PC-311	Pine Creek	Excavate and Dispose			0	10.1	PRIVATE	Grouse Peak, LLC
TWI027	UNNAMED PROSPECT	Upland waste rock (erosion potential)	200	PC-311	Pine Creek	Excavate and Dispose			0	0	PRIVATE	
TWI020	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-311	Pine Creek	Excavate and Dispose			0.240	65.3	BLM	U.S.
TWI018	UNNAMED PROSPECT	Upland waste rock (erosion potential)	200	PC-311	Pine Creek	Excavate and Dispose			0	322	BLM	U.S.
TWI011	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-311	Pine Creek	Excavate and Dispose			0	0	PRIVATE	Reca Laverne Ledgett
TWI009	EQUITABLE PROSPECT	Floodplain waste rock	6,480	PC-311	Pine Creek	Excavate and Dispose			0	0	BLM	U.S.
TWI006	MANHATTAN MINE	Upland waste rock (erosion potential)	4,800	PC-311	Pine Creek	Excavate and Dispose			0	0	USFS	U.S.
TWI008	WEST PINE CREEK DEPOSIT	Floodplain waste rock	200	PC-311	Pine Creek	Excavate and Dispose			0	6.24	BLM	U.S.
TWI002	PALISADE MINE LOWER WORKINGS	Floodplain waste rock	5,760	PC-311	Pine Creek	Excavate and Dispose			0	0	STATE	US DEPT OF INTERIOR BLM
TWI013	BLUEBIRD PROSPECT (HANNIBAL)	Upland waste rock	7,680	PC-311	Pine Creek	Excavate and Dispose			0.320	151	BLM	U.S.
TWI012	KC PROSPECT	Floodplain waste rock	3,840	PC-311	Pine Creek	Excavate and Dispose			0.160	11.7	PRIVATE	Grouse Peak, LLC
TWI014	GREAT DUNKARD MINE	Floodplain waste rock	6,000	PC-311	Pine Creek	Excavate and Dispose			0.250	0	BLM	U.S.
MAS072	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Dispose			0	7.98	BLM	U.S.
MAS068	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Cap			0.160	0	BLM	U.S.
MAS057	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Dispose			0.170	0	PRIVATE	Judith M. Etherton
MAS055	UNNAMED ADIT	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Dispose			0	58.1	PRIVATE	Douglas Mining Company c/o Bunker Hill Company BLP
MAS053	UNNAMED ADITS	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Dispose			0.450	0	BLM	U.S.
MAS011	IDAHO PROSPECT: NO. 2	Adit drainage		PC-312	Pine Creek	Passive Treatment			0	503	PRIVATE	U.S.
MAS054	MARMION OR SF FRACTION	Floodplain waste rock Adit Drainage	10,560	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			0.0600	38.6	PRIVATE	Douglas Mining Company c/o Bunker Hill Company BLP
MAS014	HILARITY MINE	Upland waste rock Upland Tailings Seep Adit Drainage	30,720 80	PC-312	Pine Creek	Excavate and Cap Excavate and Repository Passive Treatment Passive Treatment			0.780	0	PRIVATE	Ebel Living Trust
MAS017	SIDNEY (DENVER) 500 LEVEL	Upland waste rock (erosion potential) Adit Drainage	62,640	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			1.36	0	PRIVATE	Mascot Silver Lead Mines, Inc.
MAS012	LYNCH-PINE CREEK MINE	Upland waste rock (erosion potential) Adit Drainage	500	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			0.930	0	BLM	U.S.
MAS006	NABOB TAILINGS POND	Floodplain tailings - inactive Facilities	42,000	PC-312	Pine Creek	boundment Closure + Hydraulic Isolation			4.10	30.0	BLM	U.S.
MAS016	LITTLE PITTSBURG MINE: NO. 1	Upland waste rock (erosion potential) Adit Drainage	23,280	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			0.930	0	PRIVATE	Mascot Silver Lead Mines, Inc.

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MAS015	LITTLE PITTSBURG MINE: NO. 2	Upland waste rock (erosion potential) Adit Drainage	1,000	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			1.09	0	PRIVATE	Leonard Smith c/o Mascot Silver Lead Mines, Inc.
MAS022	SURPRISE MINE & UPPER ROCK DUMP	Floodplain waste rock	48,000	PC-312	Pine Creek	Excavate and Dispose			1.39	7.00	PRIVATE	Highland Surprise Cons. Mining & Milling Co.
MAS035	NABOB 600 LEVEL SHAFT	Upland waste rock (erosion potential)	8,000	PC-312	Pine Creek	Excavate and Dispose			0.300	0	PRIVATE	Nabob Silver Lead Co.
MAS009	SHETLAND MINING CO-NABOB SILVER-LEAD	Upland waste rock (erosion potential)	7,440	PC-312	Pine Creek	Excavate and Dispose			0.310	0	BLM	U.S.
MAS079	HIGHLAND-SURPRISE LOWER ROCK DUMP	Floodplain waste rock	37,300	PC-312	Pine Creek	Excavate and Cap			1.10	15.2	PRIVATE	U.S.
MAS031	TRAPPER MINING & SMELTING COMPANY LTD.	Upland waste rock (erosion potential)	4,320	PC-312	Pine Creek	Excavate and Dispose			0.180	0	PRIVATE	Applied Minerals Inc.
MAS028	LON CHANEY GROUP	Upland waste rock (erosion potential)	10,800	PC-312	Pine Creek	Excavate and Dispose			0.450	0	BLM	U.S.
MAS033	COEUR D ALENE PREMIER	Upland waste rock (erosion potential)	4,800	PC-312	Pine Creek	Excavate and Dispose			0.200	0	BLM	U.S.
MAS008	NABOB 600 LEVEL (Crystalite)	Upland waste rock (erosion potential)	25,000	PC-312	Pine Creek	Excavate and Dispose			1.36		BLM	U.S.
MAS083	NABOB MILLSITE	Upland Tailings	8,150	PC-312	Pine Creek	Excavate and Dispose	adjacent to residences		2.81	0	BLM	U.S.
MAS083	NABOB MILLSITE	Upland waste rock	29,000	PC-312	Pine Creek	Excavate and Cap	adjacent to residences		2.81	0	BLM	U.S.
MAS084	DOUGLAS MINESITE TAILINGS REPOSITORY	Floodplain tailings	30,000	PC-312	Pine Creek	Excavate and Dispose			1.63	104	PRIVATE	Douglas Mining Company c/o Bunker Hill Company BLP
MAS013	NABOB 600 LEVEL (300 Level)	Upland waste rock (erosion potential)	4,700	PC-312	Pine Creek	Excavate and Dispose			0.420	0	PRIVATE	Nabob Silver Lead Co.
MAS030	TRAPPER CREEK SILVER	Upland waste rock (erosion potential)	6,720	PC-312	Pine Creek	Excavate and Cap			0.280	0	BLM	U.S.
MAS052	OWL/FRED MINE	Upland waste rock (erosion potential)	5,280	PC-312	Pine Creek	Excavate and Cap			0.220	207	PRIVATE	Constitution Mining Company
MAS007	NABOB 1300 LEVEL	Upland waste rock Adit Drainage	48,000	PC-312	Pine Creek	Excavate and Cap Excavate and Cap Passive Treatment			1.82	0	PRIVATE	Nabob Silver Lead Co.
MAS078	HIGHLAND-SURPRISE MINE & MILLSITE	Upland Tailings Adit Drainage	0	PC-312	Pine Creek	Excavate and Dispose Passive Treatment			1.77	17.2	PRIVATE	Highland Surprise Cons. Mining & Milling Co.
MAS029	BIG IT MINE	Upland waste rock (intermixed tailings)	700	PC-312	Pine Creek	Excavate and Dispose			0.220	0	BLM	Jodi M. Haire
MAS021	NEVADA-STEWART MINE	Upland waste rock (erosion potential) Adit Drainage	1,000	PC-312	Pine Creek	Excavate and Cap w/Seep Collection Passive Treatment			0.290	0	PRIVATE	Nevada Stewart Mining Co. c/o H.F. Magnuson
MAS019	STAR ANTIMONY LOWER ADIT	Floodplain waste rock	1,000	PC-312	Pine Creek	Excavate and Dispose			0.350	0	BLM	U.S.
MAS023	BLUE EAGLE MINE	Upland waste rock (erosion potential)	1,000	PC-312	Pine Creek	Excavate and Dispose			0.350	0	PRIVATE	Blue Eagle Mining Comapny
MAS020	SIDNEY (RED CLOUD) MINE/MILLSITE	Adit drainage		PC-312	Pine Creek	Passive Treatment			0	0	PRIVATE	U.S.
MAS036	DENVER CK TAILINGS PILE	Floodplain tailings	2,700	PC-312	Pine Creek	Excavate and Dispose			1.87	0	BLM	U.S.
MAS045	HIGHLAND CK IMPACTED RIPARIAN	Floodplain sediments	3,000	PC-312	Pine Creek	Excavate and Repository			2.10	0	PRIVATE	U.S.
MAS040	DENVER CK IMPACTED RIPARIAN: NO. 2	Floodplain sediments	1,380	PC-312	Pine Creek	Excavate and Repository			1.13	0	PRIVATE	Mascot Mines, Inc.
MAS042	DENVER CK IMPACTED RIPARIAN: NO. 4	Floodplain sediments	3,600	PC-312	Pine Creek	Excavate and Repository			0.930	0	PRIVATE	Mascot Silver Lead Mines, Inc.
MAS043	DENVER CK IMPACTED RIPARIAN: NO. 1	Floodplain sediments	3,000	PC-312	Pine Creek	Excavate and Repository			2.66	0	BLM	U.S.
MAS046	HIGHLAND & RED CLOUD CK IMPACTED RIPAR	Floodplain sediments	23,850	PC-312	Pine Creek	Excavate and Repository			22.5	0	BLM	U.S.

TABLE 4

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Pine Creek Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
MAS041	DENVER CK IMPACTED RIPARIAN: NO. 3	Floodplain sediments	2,340	PC-312	Pine Creek	Excavate and Repository			2.43	0	PRIVATE	Leonard Smith c/o Mascot Silver Lead Mines, Inc.
MAS065	UNNAMED PROSPECT	Upland waste rock (erosion potential)	200	PC-312	Pine Creek	Excavate and Dispose			0.200	11.6	BLM	U.S.
MAS018	DENVER MINE (NABOB ADIT)	Upland waste rock (erosion potential)	2,700	PC-312	Pine Creek	Excavate and Dispose	within 300' of residences		3.64	0	PRIVATE	Nabob Silver Lead Co.
MAS032	L AND J PROSPECT	Upland waste rock (erosion potential)	80	PC-312	Pine Creek	Excavate and Dispose			0.270	0	BLM	U.S.
MAS025	DOUGLAS MINE & MILLSITE	Floodplain waste rock (intermixed tailings)	35,000	PC-312	Pine Creek	Excavate and Cap			N/A	131	PRIVATE	Douglas Mining Company c/o Bunker Hill Company BLP
MAS027	CONSTITUTION LOWER MINE & ROCK DUMP	Floodplain waste rock	7,000	PC-312	Pine Creek	Excavate and Cap			N/A	17.4	PRIVATE	Constitution Mining Company
MAS048	CONSTITUTION LOWER MILLSITE & TAILINGS	Floodplain tailings Upland tailings	4,950 16,320	PC-312	Pine Creek	Excavate and Dispose Excavate and Dispose			N/A	0	PRIVATE	Constitution Mining Company
MAS049	CONSTITUTION UPPER TAILINGS (non-BLM land)	Floodplain tailings	36,000	PC-312	Pine Creek	Excavate and Dispose			N/A	0	PRIVATE	Constitution Mining Company
MAS050	CONSTITUTION UPPER TUNNEL & ROCK DUMP	Floodplain waste rock (intermixed tailings) Adit Drainage	21,400	PC-312	Pine Creek	Excavate and Cap Passive Treatment			N/A	95.2	BLM	U.S.
MAS081	SIDNEY (RED CLOUD) ROCK DUMP	Floodplain waste rock	95,000	PC-312	Pine Creek	Regrade/ Consolidate/Revegetate			N/A	14.5	BLM	U.S.
MAS003	LIBERAL KING MINE & MILLSITE	Upland waste rock (intermixed tailings)	20,000	PC-313	Pine Creek	Cap w/Seep Collection	within 400' of residences		0.190	0	PRIVATE	U.S.
KLW075	MATCHLESS MINE	Floodplain waste rock	17,040	PC-313	Pine Creek	Excavate and Dispose			0	0	PRIVATE	New Era Mines, Inc.
KLW082	CARBONATE MINE: NO. 2	Floodplain waste rock	8,160	PC-313	Pine Creek	Excavate and Dispose			0.340	0	BLM	U.S.
KLW085	CARBONATE MINE: NO. 1	Floodplain waste rock	14,400	PC-313	Pine Creek	Excavate and Dispose			0.600	0	PRIVATE	
KLW083	LIBERAL KING PART OF TUNNEL: NO. 2	Floodplain waste rock	13,920	PC-313	Pine Creek	Excavate and Dispose			0.580	0	BLM	Sterling Mining Company
KLW077	GENERAL MINE	Floodplain waste rock	11,040	PC-313	Pine Creek	Excavate and Dispose	within 2000' of residences		0.400	0	PRIVATE	General Moly Inc.
KLW079	GOLD EAGLE MINING CO.	Floodplain waste rock	9,600	PC-313	Pine Creek	Excavate and Dispose	1 residence within 500'		0.400	0	BLM	Michael Piekarski
KLW080	BOBBY ANDERSON MINE	Upland waste rock	7,200	PC-313	Pine Creek	Excavate and Cap	within 1500' of residences		N/A	0	BLM	U.S.

Notes

- a Waste volume was provided from the BLM.
- b GIS software was used to perform a pour point analysis to determine which BLM sites are located within specific drainages. The stream segment shown represents the drainage that the specific BLM site is located within.
- c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.
- d Observations on erosion potential were performed during the 2008 erosion survey.
- e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.
- f Distance to the nearest water body includes any waterbody, including unnamed tributaries.

TABLE 5

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Canyon Creek Watershed
 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
THO023	UNNAMED ADIT	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0	0	USFS	
BUR133	RUSSEL MINE	Upland waste rock (erosion potential)	5,300		Canyon Creek	Excavate and Dispose			0	0	PRIVATE	
BUR134	ALCIDES PROSPECT & IMPERIAL MINE	Upland waste rock (erosion potential)	14,400		Canyon Creek	Excavate and Dispose			0	0	PRIVATE	Grouse Peak LLC
BUR132	GERTIE MINE	Upland waste rock (erosion potential)	92,000		Canyon Creek	Excavate and Cap	Low Human Access, and Within 1/4 mile from houses	Moderate erosion	1.15	0	PRIVATE	
BUR107	AJAX NO.3	Upland waste rock (erosion potential) Adit drainage	139,000		Canyon Creek	Excavate and Cap w/Seep Collection Active Treatment	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	2.34	166	BLM	East Shoshone County Water District
BUR105	OOM PAUL NO. 2	Upland waste rock (erosion potential)	6,500		Canyon Creek	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.270	0	PRIVATE	
BUR187	UNNAMED ADIT	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.250	11.5	USFS	
BUR135	SONORA MINE	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.580	0	PRIVATE	Grouse Peak LLC
BUR185	WEST MAMMOTH MINE	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.310	0	USFS	
AL042 (WP-01)	CANYON CK TAILINGS REPOSITORY SVNRT	Floodplain sediments Floodplain tailings - inactive Facilities	8100 600000		Canyon Creek	Stream Lining + French Drain C03+C14b+C15b	High Human Access, and Within 1/4 mile from houses	Moderate erosion	0	270	PRIVATE	Hecla Limited
BUR112	GEM NO.2	Adit drainage			Canyon Creek	Active treatment			0	389	PRIVATE	
BUR099	BENTON MINE	Adit drainage			Tributary to Canyon Creek (Gorg)	Active treatment			0	168	PRIVATE	
BUR088	AJAX NO.2	Adit drainage			Tributary to Canyon Creek (Gorg)	Active treatment			0	0	PRIVATE	
BUR097	HIDDEN TREASURE MINE	Upland waste rock Adit Drainage	20,900		Canyon Creek	Regrade/ Consolidate/Revegetate Active Treatment	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	0.820	50.1	PRIVATE	
BUR119	BLACK BEAR NO.4	Upland waste rock	44,000		Canyon Creek	Regrade/ Consolidate/Revegetate			0.0400	7.24	PRIVATE	
BUR109	OOM PAUL NO. 1	Upland waste rock (erosion potential)	27,400		Canyon Creek	Excavate and Cap	High Human Access, and 1/4 to 1/2 mile from houses	Moderate erosion	1.14	36.7	PRIVATE	
BUR150	CANYON CK GARBAGE DUMP	Floodplain waste rock	32,600		Canyon Creek	Excavate and Cap	High Human Access, and Within 1/4 mile from houses	Moderate erosion	1.36	0	PRIVATE	
BUR098	HERCULES NO. 5	Upland waste rock (potential intermixed tailings) Adit Drainage	55,000		Canyon Creek	Excavate and Dispose Active Treatment	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	3.19	0	PRIVATE	
BUR068	HEADLIGHT MINE	Upland waste rock (erosion potential)	12,000		Canyon Creek	Excavate and Dispose	None Human Access, and More than 1 mile from houses	Moderate erosion	0	56.8	PRIVATE	Hecla Silver Valley, Inc.
BUR142	GEM MILLSITE	Upland tailings Upland waste rock (potential intermixed tailings)	4,900 72,500		Canyon Creek	Excavate and Dispose Low Permeability Cap	High Human Access, and Within 1/4 mile from houses	Heavy erosion	2.65	2.99	PRIVATE	

TABLE 5

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Canyon Creek Watershed
 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
BUR130	MARSH MINE	Upland waste rock (erosion potential) Upland Tailings	3,000 0		Canyon Creek	Excavate and Cap Excavate and Dispose	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	2.36	0	PRIVATE	
BUR145	ONEILL GULCH UNNAMED ROCK DUMP	Upland waste rock (erosion potential)	56,000		Canyon Creek	Excavate and Dispose	Low Human Access, and 1/4 to 1/2 mile from houses	Moderate erosion	1.32	30.3	PRIVATE	
BUR067	TAMARACK NO.7 (1200 LEVEL)	Upland tailings Adit drainage	2,500		Canyon Creek	Excavate and Dispose Active Treatment	High Human Access, and Within 1/4 mile from houses	Moderate erosion	8.25	0	PRIVATE	
BUR067	TAMARACK NO.7 (1200 LEVEL)	Upland waste rock (potential intermixed tailings)	350,000		Canyon Creek	Excavate and Cap+Dispose	High Human Access, and Within 1/4 mile from houses	Moderate erosion	8.25	0	PRIVATE	
BUR191	FRISCO NO.3	Upland waste rock	0		Canyon Creek	Regrade/ Consolidate/Revegetate	Low Human Access, and Within 1/4 mile from houses	No erosion	0.610	0	PRIVATE	
BUR121	BLACK BEAR FRACTION	Upland waste rock (erosion potential) Adit drainage	103,000		Canyon Creek	Excavate and Cap Active Treatment	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	1.59	107	PRIVATE	
BUR122	FLYNN MINE	Upland waste rock (erosion potential)	27,000		Canyon Creek	Excavate and Cap	Low Human Access, and Within 1/4 mile from houses		1.02	188	PRIVATE	
BUR066	MOONLIGHT MINE	Upland waste rock (erosion potential)	7,000		Canyon Creek	Excavate and Cap	Low Human Access, and 1/2 to 1 mile from houses	No erosion	0.300	0	PRIVATE	
BUR096	ANCHOR MINE	Upland waste rock Adit Drainage	34,000		Canyon Creek	Regrade/ Consolidate/Revegetate Active Treatment	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	1.05	0	PRIVATE	Brush Prairie Minerals, Inc.
BUR090	HERCULES NO. 4	Upland waste rock (erosion potential) Upland Tailings	55,000 30,000		Tributary to Canyon Creek (Gorg	Excavate and Cap Excavate and Dispose	Heavy erosion, Moderate Human Access, and 1/2 to 1 mile from houses	Heavy Erosion	9.39	0	PRIVATE	
BUR118	FRISCO NO.2 & NO.1	Upland waste rock (erosion potential)	33,000		Canyon Creek	Excavate and Dispose	Low Human Access, and 1/4 to 1/2 mile from houses	Moderate erosion	1.39	0	PRIVATE	
BUR072	STANDARD-MAMMOTH NO.4	Upland waste rock (erosion potential)	14,300		Canyon Creek	Low Permeability Cap	Low Human Access, and 1/2 to 1 mile from houses	Moderate erosion	0	0	PRIVATE	
BUR149	AJAX NO.2 ADJACENT ROCK DUMP	Upland waste rock (erosion potential)	10,400		Tributary to Canyon Creek (Gorg	Excavate and Cap	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	0.510	89.9	PRIVATE	
BUR177	JOE MATT MINE	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.550	0	PRIVATE	
BUR073	STANDARD-MAMMOTH CAMPBELL ADIT	Upland waste rock	126,000		Canyon Creek	Excavate and Cap	High Human Access, and Within 1/4 mile from houses	Moderate erosion	4.63	0	PRIVATE	

TABLE 5

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Canyon Creek Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
BUR087	HERCULES NO. 3	Upland waste rock (erosion potential)	25,000		Tributary to Canyon Creek (Gorg	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	2.85	0	PRIVATE	
/AL081 (WP-0)	WALLACE OLD PRIVATE LANDFILL	Floodplain artificial fill	5,700		Canyon Creek	Excavate and Repository	High Human Access, and Within 1/4 mile from houses	Moderate erosion	0	50.5	PRIVATE	
BUR176	UNNAMED ADIT	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.560	0	PRIVATE	
BUR144	STANDARD-MAMMOTH LOADING AREA	Upland waste rock (erosion potential)	39,000		Canyon Creek	Excavate and Cap			2.54	0	PRIVATE	
BUR192	BLACK BEAR MILLSITE	Floodplain tailings (discrete site) Upland waste rock (erosion potential)	3,100 27,000		Canyon Creek	Excavate and Dispose Excavate and Cap	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	1.12	9.18	PRIVATE	
BUR120	SILVER MOON MINE	Upland waste rock (erosion potential)	22,000		Canyon Creek	Regrade/ Consolidate/Revegetate	Low Human Access, and Within 1/4 mile from houses	Moderate erosion	0.130	66.5	PRIVATE	
BUR180	STANLEY MINE	Upland waste rock (erosion potential)	5,500		Tributary to Canyon Creek (Gorg	Excavate and Cap			0.230	59.2	PRIVATE	
BUR128	HECLA-STAR MINE & MILLSITE COMPLEX	Upland tailings	43,400		Canyon Creek	Excavate and Dispose	Low Human Access, and Within 1/4 mile from houses	Moderate erosion	7.74	0	PRIVATE	
BUR146	GORGE GULCH IMPACTED RIPARIAN	Floodplain sediments	51,000		Tributary to Canyon Creek (Gorg	Excavate and Repository			3.66	0	PRIVATE	
BUR166	UNNAMED ADIT	Upland waste rock (erosion potential)	200		Tributary to Canyon Creek (Gorg	Excavate and Cap			0.330	0	PRIVATE	
BUR178	WEST HECLA MINE	Upland waste rock (erosion potential)	11,000		Canyon Creek	Excavate and Cap	None Human Access, and More than 1 mile from houses	No erosion	0.460	0	PRIVATE	Brush Prairie Minerals Inc.
/AL039 (WP-0)	STANDARD-MAMMOTH MILLSITE	Upland Tailings	12,500		Canyon Creek	Excavate and Repository	adjacent to other remediated property, residences directly downstream and within 1000', High Human Access, and Within 1/4 mile from houses	Heavy erosion	0	80.0	PRIVATE	Successor Coeur d'Alene Custodial and Work Trust
BUR089	IDAHO AND EASTERN MINE	Upland waste rock (erosion potential)	200		Tributary to Canyon Creek (Gorg	Excavate and Cap			0	35.5	PRIVATE	

TABLE 5

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the Canyon Creek Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^e	Distance to Nearest Water Body ^f	Property Ownership Type	Property Ownership Detail
/AL040 (WP-0)	CANYON CK IMPACTED FLOODPLAIN	Floodplain sediments	18,000		Canyon Creek	Excavate and Repository			26.16	0	PRIVATE	
BUR129	TIGER-POORMAN MINE	Upland tailings Adit drainage	5,250		Canyon Creek	Excavate and Dispose Active Treatment	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	1.65	53.9	PRIVATE	
BUR189	DULUTH MINE CANYON CK	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0	49.0	PRIVATE	
BUR141	CANYON CK IMPACTED FLOODPLAIN	Floodplain sediments	22,000		Canyon Creek	Excavate and Repository			13.0	0	PRIVATE	
BUR204	UNNAMED ROCK DUMP	Upland waste rock (erosion potential)	200		Canyon Creek	Excavate and Cap			0.190	68.8	PRIVATE	
BUR153	CANYON CK IMPACTED FLOODPLAIN	Floodplain sediments	35,000		Canyon Creek	Excavate and Repository			6.08	0	PRIVATE	
BUR143	CANYON CK IMPACTED RIPARIAN	Floodplain sediments	32,000		Canyon Creek	Excavate and Repository			31.6	0	PRIVATE	
BUR125	MIDWAY SUMMIT MINE	Upland waste rock (erosion potential)	8,000		Canyon Creek	Regrade/ Consolidate/Revegetate			0	9.15	PRIVATE	
BUR117	FRISCO MILLSITE	Upland Tailings Upland waste rock (potential intermixed tailings)	1,800 145,000		Canyon Creek	Excavate and Dispose Low Permeability Cap	Moderate Human Access, and Within 1/4 mile from houses	Heavy erosion,	1.11	0	PRIVATE	
BUR075	SHERMAN 1000 LEVEL (OREANO ADIT)	Upland Tailings	3,500		Canyon Creek	Excavate and Dispose	Low Human Access, and More than 1 mile from houses	Moderate erosion	0	632	PRIVATE	
SB047 (WP-0)	CANYON CK FORMOSA REACH SVNRT REHAB	Floodplain sediments	17,000		Canyon Creek	Excavate + Repository +Stream Lining + French Drain			144.93	0	BLM	U.S.
/AL010 (WP-0)	CANYON CK POND REACH SVNRT REHAB	Floodplain sediments	15,000		Canyon Creek	Excavate + Repository +Stream Lining + French Drain			144.93	0	PRIVATE	Clifford Hinsz (22% int. in Milton MS 2361)
/AL011 (WP-0)	CANYON SILVER (FORMOSA) MINE	Floodplain sediments Adit Drainage	8,000		Canyon Creek	Excavate + Repository +Stream Lining + French Drain Active Treatment	Moderate Human Access, and 1/2 to 1 mile from houses	Moderate erosion	144.93	24.3	PRIVATE	Canyon Silver Mines Inc.
/AL041 (WP-0)	CANYON CK REPOSITORY REACH SVNRT REHAB	Floodplain sediments	61,000		Canyon Creek	Excavate + Repository +Stream Lining + French Drain			144.93	0	PRIVATE	Applied Minerals Inc.
BUR094	SHERMAN 600 LEVEL	Upland waste rock (erosion potential)	34,000		Canyon Creek	Regrade/ Consolidate/Revegetate			1.40	0	PRIVATE	
BUR124	OMAHA MINE	Upland waste rock (erosion potential)	24,000		Canyon Creek	Regrade/ Consolidate/Revegetate			0.6		PRIVATE	
BUR092	FAIRVIEW/WIDE WEST MINE	Adit drainage			Tributary to Canyon Creek (Gorg)	Active treatment			N/A	663	PRIVATE	
WAL009	HECLA-STAR TAILINGS PONDS	Floodplain sediments (underlying tailings pond) Floodplain Tailings (inactive facilities)	323000 2,100,000		Canyon Creek	Stream Lining + French Drain			N/A	6.76	PRIVATE	Hecla Limited

Notes

- a Waste volume was provided from the BLM.
- b GIS software was used to perform a pour point analysis to determine which BLM sites are located within specific drainages. The stream segment shown represents the drainage that the specific BLM site is located within.
- c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.
- d Observations on erosion potential were performed during the 2008 erosion survey.
- e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.
- f Distance to the nearest water body includes any waterbody, including unnamed tributaries.

TABLE 6

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the SFCDR Watershed
 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
LOK017	BEACON LIGHT	Floodplain waste rock	31,000	SF-201	SFCDR Tributary (Unknown)	Excavate and Cap	High Human Access, and 1/2 to 1 mile from houses	No erosion	0	0	USFS	
THO020	BULL FROG MINE	Floodplain waste rock	6,960	SF-202	SFCDR Tributary (Little North Fork)	Excavate and Cap			0	0	PRIVATE	
LOK010	HASH HOUSE MINE	Floodplain waste rock	3,360	SF-206	SFCDR Tributary (Daisy Gulch)	Excavate and Cap			0.270	0	PRIVATE	Timberline Resources Corporation
LOK051	DAISY GULCH OLD LANDFILL	Floodplain artificial fill	45,840	SF-206	SFCDR Tributary (Daisy Gulch)	Regrade/ Consolidate/Revegetate	Moderate Human Access, and 1/4 to 1/2 mile from houses		0	20.8	PRIVATE	Village of Mullan
LOK011	SNOWSTORM NO. 3	Floodplain waste rock Adit Drainage	55,000	SF-206	SFCDR Tributary (Daisy Gulch)	Excavate and Dispose Active Treatment			1.81	0	PRIVATE	Timberline Resources Corporation
LOK009	SNOWSTORM NO. 4	Floodplain waste rock	22,080	SF-206	SFCDR Tributary (Daisy Gulch)	Excavate and Dispose			0.920	0	PRIVATE	Timberline Resources Corporation
LOK007	BUTTE & COEUR D ALENE (IDAHO SILVER)	Upland waste rock (erosion potential)	6,480	SF-206	SFCDR Tributary (Daisy Gulch)	Regrade/ Consolidate/Revegetate			0.270	35.8	PRIVATE	Hecla Limited
LOK048	SNOWSTORM APEX	Floodplain waste rock	6,480	SF-206	SFCDR Tributary (Daisy Gulch)	Regrade/ Consolidate/Revegetate	Low Human Access, and More than 1 mile from houses	Moderate erosion	0.270	0	PRIVATE	Timberline Resources Corporation
LOK008	IDAHO SILVER NO. 2	Floodplain waste rock	9,120	SF-206	SFCDR Tributary (Daisy Gulch)	Excavate and Cap	High Human Access, and 1/4 to 1/2 mile from houses	No erosion	0	15.5	PRIVATE	Hecla Limited
LOK053	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0.310	24.1	USFS	
MUL056	COUGHLIN MINE	Upland waste rock (erosion potential)	8,400	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0	63.7	BLM	
MUL057	BUTTE AND COEUR D ALENE MINE	Upland waste rock (erosion potential)	18,960	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0	68.6	PRIVATE	
LOK001	LUCKY CALUMET NO. 1	Upland waste rock (erosion potential)	30,960	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0	1,421	USFS	
LOK004	SNOWSHOE NO. 2	Floodplain waste rock Adit Drainage	61,200	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Excavate and Dispose Passive Treatment			0.710	0	USFS	
LOK006	LUCKY BOY NO. 1	Floodplain waste rock	6,240	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.170	35.8	USFS	
LOK002	LUCKY CALUMET NO. 2	Upland waste rock (erosion potential)	30,480	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0.950	571	USFS	
LOK005	LUCKY BOY NO. 2	Upland waste rock (erosion potential)	4,320	SF-207	SFCDR Tributary (Gentle Annie Gulch)	Regrade/ Consolidate/Revegetate			0.180	0	USFS	
LOK024	SILVER CABLE MINE	Adit drainage		SF-208	South Fork Coer d' Alene River	Passive Treatment	Low Human Access, and More than 1 mile from houses	Moderate erosion	0	58.3	PRIVATE	

TABLE 6

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the SFCDR Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
LOK050	DAISY GULCH TAILINGS POND	Upland tailings - inactive facilities	13,000	SF-208	South Fork Coer d' Alene River	Excavate and Dispose			0	172	PRIVATE	Village of Mullan
MUL058	LUCKY FRIDAY TAILINGS POND No.1	Floodplain sediments Floodplain sediments (underlying tailings pond) Floodplain tailings - active facilities	140,000 130,000 576,000	SF-208	South Fork Coer d' Alene River	Excavate and Repository Hydraulic Isolation Impoundment Closure	adjacent to remediated areas, residences near bottom of access road		33.8	0	PRIVATE	Hecla Limited
MUL135	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-209	SFCDR Tributary (Deadman Gulch)	Regrade/ Consolidate/Revegetate			0.180	0	BLM	
MUL103	MISSOULA MINE	Floodplain waste rock	6,300	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	Heavy erosion	0	0	PRIVATE	Timberline Resources Corporation
MUL052	COPPER KING MINE	Floodplain waste rock Adit Drainage	15,000	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Cap Passive Treatment	Low Human Access, and More than 1 mile from houses	Moderate erosion	1.33	0	PRIVATE	Hecla Limited
MUL048	ALMA MINE	Floodplain waste rock	21,360	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Dispose	Low Human Access, and More than 1 mile from houses	Moderate erosion	0.680	17.6	PRIVATE	
MUL053	NATIONAL MINE	Upland waste rock (erosion potential)	73,000	SF-209	SFCDR Tributary (Deadman Gulch)	Regrade/ Consolidate/Revegetate	400' upstream of remediated property, Low Human Access, and More than 1 mile away from houses	Moderate erosion	0	126	PRIVATE	
MUL051	PILOT MINE	Floodplain waste rock	28,800	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	Moderate erosion	0.650	18.9	PRIVATE	
MUL047	LOTTIE L. MINE	Floodplain waste rock	5,520	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.230	0	BLM	
MUL049	COPPER PLATE MINE	Upland waste rock (erosion potential)	7,200	SF-209	SFCDR Tributary (Deadman Gulch)	Regrade/ Consolidate/Revegetate			0.300	16.5	USFS	Hecla Limited
MUL153	DEADMAN GULCH IMPACTED RIPARIAN	Floodplain sediments	7,600	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Dispose			1.52	0	PRIVATE	
MUL150	DEADMAN GULCH IMPACTED RIPARIAN	Floodplain sediments	15,100	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Dispose			3.02	0	PRIVATE	
MUL045	HOMESTAKE MINE	Floodplain waste rock	27,600	SF-209	SFCDR Tributary (Deadman Gulch)	Excavate and Dispose	High Human Access, and 1/2 to 1 mile from houses	No erosion	1.15	0	PRIVATE	
MUL054	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-209	SFCDR Tributary (Deadman Gulch)	Regrade/ Consolidate/Revegetate			0.940	3.46	PRIVATE	
MUL073	ATLAS MINE (CARBONATE HILL)	Upland waste rock	560	SF-210	SFCDR Tributary (Willow Creek)	Regrade/ Consolidate/Revegetate			0	173	PRIVATE	
MUL083	COPPER QUEEN MINE	Floodplain waste rock	15,360	SF-210	SFCDR Tributary (Willow Creek)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.640	0	PRIVATE	

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 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
MUL081	REINDEER QUEEN MINE	Floodplain waste rock	8,000	SF-210	SFCDR Tributary (Willow Creek)	Excavate and Cap	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	0.760	0	USFS	U.S.
MUL071	ATLAS MINE	Floodplain waste rock	2,500	SF-211	SFCDR Tributary (Unknown)	Excavate and Cap	1 residence within 1000', directly upstream of remediated area		3.43	0	PRIVATE	Applied Minerals Inc.
MUL129	ATLAS MINE ROCK DUMP	Floodplain waste rock	26,640	SF-211	SFCDR Tributary (Unknown)	Excavate and Cap	1 residence within 1000', directly upstream of remediated area, High Human Access, and Within 1/4 mile from houses	No erosion	0.650	0	PRIVATE	Applied Minerals Inc.
MUL136	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-212	SFCDR Tributary (Gold Hunter Gulch)	Regrade/ Consolidate/Revegetate			0	0	PRIVATE	
MUL043	SILVER REEF MINE	Floodplain waste rock	17,520	SF-212	SFCDR Tributary (Gold Hunter Gulch)	Excavate and Dispose			0.630	0	PRIVATE	Hecla Limited
MUL042	GOLD HUNTER NO. 5	Floodplain waste rock	13,920	SF-212	SFCDR Tributary (Gold Hunter Gulch)	Excavate and Dispose			0.580	0	PRIVATE	Hecla Limited
MUL038	GOLD HUNTER NO. 6	Floodplain Tailings Floodplain waste rock	13,000 66,480	SF-212	SFCDR Tributary (Gold Hunter Gulch)	Excavate and Dispose Excavate and Cap	residence within 500', High Human Access, and Within 1/4 mile from houses	No erosion	2.15	151	PRIVATE	Hecla Limited
MUL119	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-214	SFCDR Tributary (Boulder Creek)	Regrade/ Consolidate/Revegetate			0.280	0	PRIVATE	
MUL120	BANNER MINE NO. 02	Floodplain waste rock	560	SF-214	SFCDR Tributary (Boulder Creek)	Excavate and Cap			0.290	0	PRIVATE	
MUL139	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose			0.240	0.7680	PRIVATE	
MUL023	FANNY GREMM MINE	Floodplain waste rock	31,200	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose			0	378	PRIVATE	Hecla Limited
MUL146	MORNING NO.3	Upland waste rock (erosion potential)	31,440	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Cap			0	0	PRIVATE	Hecla Limited
MUL030	WALL STREET MINE	Floodplain waste rock	8,640	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Cap			0	0	PRIVATE	Hecla Silver Valley, Inc.
MUL033	AMERICAN COMMANDER NO.2	Floodplain waste rock	15,840	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose	Low Human Access, and 1/2 to 1 mile from houses	Moderate erosion	0.460	0	PRIVATE	
MUL029	NORTH FRANKLIN MINE	Floodplain waste rock	20,400	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	0.630	0	PRIVATE	
MUL031	CINCINNATI MINE	Upland waste rock (erosion potential)	8,160	SF-216	SFCDR Tributary (Mill Creek)	Regrade/ Consolidate/Revegetate	No Human Access, and More than 1 mile from houses	No erosion	0	1.72	PRIVATE	
MUL022	SUNSHINE PREMIER MINE	Upland waste rock (erosion potential)	8,400	SF-216	SFCDR Tributary (Mill Creek)	Regrade/ Consolidate/Revegetate	No Human Access, and More than 1 mile from houses	Moderate erosion	0.320	0	PRIVATE	
MUL145	MILL CK IMPACTED RIPARIAN No. 2	Floodplain sediments	4,200	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose			0	45.4	PRIVATE	Hecla Limited
MUL149	MILL CK IMPACTED RIPARIAN No. 1	Floodplain sediments	5,650	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose			1.13	0	PRIVATE	

TABLE 6

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the SFCDR Watershed
 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
MUL141	MILL CK IMPACTED RIPARIAN No. 3	Floodplain sediments	9,650	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Dispose			1.93	0	PRIVATE	
MUL028	MORNING NO.5	Floodplain waste rock Adit Drainage	102,000	SF-216	SFCDR Tributary (Mill Creek)	Excavate and Cap Passive Treatment	Moderate Human Access, and More than 1 mile from houses	Heavy erosion	2.95	0	PRIVATE	Hecla Limited
MUL027	MORNING NO.4	Upland waste rock Adit Drainage	23,760	SF-216	SFCDR Tributary (Mill Creek)	Regrade/ Consolidate/Revegetate Passive Treatment	within 3000' of residences		0	139	PRIVATE	Hecla Limited
MUL015	WEST STAR MINE	Upland waste rock (erosion potential)	23,000	SF-223	SFCDR Tributary (Grouse Gulch)	Regrade/ Consolidate/Revegetate			0	0	PRIVATE	Hecla Limited
MUL014	GROUSE MINE	Upland waste rock (erosion potential) Adit Drainage	7,920	SF-223	SFCDR Tributary (Grouse Gulch)	Excavate and Cap Active Treatment			0.330	20.7	PRIVATE	
MUL009	SILVER SHAFT	Upland waste rock (erosion potential)	6,000	SF-223	SFCDR Tributary (Grouse Gulch)	Regrade/ Consolidate/Revegetate			0	92.3	PRIVATE	
MUL013	WE LIKE MINE	Upland waste rock (erosion potential)	12,720	SF-223	SFCDR Tributary (Grouse Gulch)	Regrade/ Consolidate/Revegetate			0	81.8	PRIVATE	
MUL012	STAR 1200 LEVEL	Floodplain waste rock Adit Drainage	216,000	SF-223	SFCDR Tributary (Grouse Gulch)	Excavate and Cap Active Treatment	Low Human Access, and More than 1 mile from houses	Heavy erosion	5.96	0	PRIVATE	Hecla Limited
MUL142	GROUSE GULCH IMPACTED RIPARIAN	Floodplain sediments	34,300	SF-223	SFCDR Tributary (Grouse Gulch)	Excavate and Dispose			6.86	0	PRIVATE	Hecla Limited
MUL008	ALICE MINE	Floodplain waste rock	33,000	SF-224	SFCDR Tributary (Ruddy Gulch)	Excavate and Cap	Moderate Human Access, and 1/2 to 1 mile from houses	Moderate erosion	1.10	19.3	PRIVATE	
MUL060	ROCK CREEK MINE	Floodplain waste rock	5,040	SF-225	SFCDR Tributary (Rock Creek)	Excavate and Cap			0.210	12.8	PRIVATE	
MUL004	UNITED LEAD ZINC MINE	Floodplain waste rock	19,680	SF-226	SFCDR Tributary (Trowbridge Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.140	0	PRIVATE	Golconda Mining Corporation
MUL006	SQUARE DEAL MINE	Floodplain waste rock	17,520	SF-226	SFCDR Tributary (Trowbridge Gulch)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.130	69.8	PRIVATE	
MUL007	WONDER MINE	Upland waste rock (erosion potential)	22,800	SF-226	SFCDR Tributary (Trowbridge Gulch)	Regrade/ Consolidate/Revegetate			0.340	27.9	BLM	
MUL021	INDEPENDENCE MINE	Floodplain waste rock	29,040	SF-228	South Fork Coer d' Alene River	Excavate and Cap	2500' upstream of remediated properties, High Human Access, and 1/4 to 1/2 mile from houses	Moderate erosion	0.780	13.3	PRIVATE	

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 OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
MUL037	LUCKY FRIDAY TAILINGS POND No. 2	Floodplain sediments Floodplain sediments (underlying tailings pond) Floodplain tailings - active facilities	90,000 42,000 167,000	SF-228	South Fork Coer d' Alene River	Excavate and Repository Impoundment Closure Hydraulic Isolation	residences and other remediated properties adjacent to west end		10.1	0	PRIVATE	
MUL019	MORNING NO.6	Floodplain Tailings Floodplain waste rock Adit Drainage	85,000 336,300	SF-228	South Fork Coer d' Alene River	Excavate and Dispose Excavate and Cap Active Treatment	High Human Access, and Within 1/4 mile from houses	Moderate erosion	16.5	0	PRIVATE	
MUL131	NATIONAL MILLSITE	Upland tailings	6,600	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	High Human Access, and Within 1/4 mile from houses	Moderate erosion	0	340	PRIVATE	Hecla Limited
WAL076	MARY D CLAIM WORKINGS	Floodplain waste rock	40,800	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	High Human Access, and 1/2 to 1 mile from houses	No erosion	0	0	PRIVATE	J. Chris Pfahl
MUL020	LUCKY FRIDAY TAILINGS POND No. 3	Floodplain sediments (underlying tailings pond) Floodplain tailings - active facilities	190,000 183,000	SF-228	South Fork Coer d' Alene River	Hydraulic Isolation Impoundment Closure			11.0	173	PRIVATE	Hecla Limited
MUL018	MULLAN METALS MINE	Floodplain waste rock	14,400	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	High Human Access, and More than 1 mile from houses	No erosion	0	133	BLM	Gold Creek Mines
MUL059	ROCK CREEK MINE ROCK DUMP	Floodplain waste rock	22,560	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	Moderate Human Access, and 1/2 to 1 mile from houses	Moderate erosion	0.940	0	PRIVATE	U.S.
MUL132	NATIONAL MILLSITE ADJACENT TAILINGS	Upland tailings	1,800	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	High Human Access, and Within 1/4 mile from houses	Moderate erosion	0.370	181	PRIVATE	Shoshone County Fire District #3
MUL065	MOE MINE	Floodplain waste rock	7,440	SF-228	South Fork Coer d' Alene River	Excavate and Cap			0	120	PRIVATE	Gold Creek Mines
MUL063	GEM STATE MINE	Floodplain waste rock	5,040	SF-228	South Fork Coer d' Alene River	Excavate and Cap	Moderate Human Access, and More than 1 mile from houses	No erosion	0	131	PRIVATE	
WAL077	GOLCONDA TAILINGS	Floodplain sediments	42,000	SF-228	South Fork Coer d' Alene River	Excavate and Repository	High Human Access, and Within 1/4 mile from houses	No erosion	6.71	17.8	PRIVATE	John Chris Pfahl
MUL001	GOLCONDA MINESITE	Floodplain waste rock	75,360	SF-228	South Fork Coer d' Alene River	Excavate and Dispose	Moderate Human Access, and Within 1/4 mile from houses	Moderate erosion	N/A	25.9	PRIVATE	Golconda Mining Corporation
MUL002	GOLCONDA MILLSITE	Upland tailings	23,000	SF-228	South Fork Coer d' Alene River	Excavate and Dispose			N/A	2.48	PRIVATE	
WAL013	GRANADA MINE	Floodplain waste rock	8,160	SF-229	SFCDR Tributary (Dexter Gulch)	Excavate and Cap	Low Human Access, and 1/2 to 1 mile from houses	No erosion	0.340	0	BLM	U.S.

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 OU3 Upper Basin

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WAL058	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Low Human Access, and More than 1 mile from houses	No erosion	0.0900	17.7	PRIVATE	Stimson Lumber Company
WAL055	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Low Human Access, and 1/2 to 1 mile from houses	No erosion	0.170	3.87	BLM	
MUL086	WIBBERDING-GOLDEN SLIPPER MINES	Upland waste rock (erosion potential)	30,000	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	None Human Access, and More than 1 mile from houses	No erosion	0	7.91	USFS	U.S.
WAL046	DAY MINES CLAIMS	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Moderate Human Access, and More than 1 mile from houses	No erosion	0.210	16.7	BLM	
MUL085	VIENNA INTERNATIONAL MINE	Upland waste rock (potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap w/Seep Collection	Low Human Access, and More than 1 mile from houses	Moderate erosion	0.370	42.1	PRIVATE	Daniel L. Hagman
WAL056	PEERLESS GROUP (OSCEOLA)	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Low Human Access, and More than 1 mile from houses	Moderate erosion	0.240	11.2	PRIVATE	Stimson Lumber Company
WAL024	WAR EAGLE MINE	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Moderate Human Access, and 1/2 to 1 mile from houses	Moderate erosion	0.430	11.5	BLM	U.S.
WAL057	PEERLESS GROUP	Upland waste rock (erosion potential)	200	SF-234	SFCDR Tributary (Placer Creek)	Excavate and Cap	Near the Pulaski Trail, Low Human Access, and More than 1 mile from houses	No erosion	0.100	22.5	PRIVATE	Stimson Lumber Company
WAL062	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-238	SFCDR Tributary (Lake Creek)	Excavate and Cap			0.190	0	USFS	U.S.
WAL064	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-238	SFCDR Tributary (Lake Creek)	Excavate and Cap			0.350	0.8106	USFS	U.S.
WAL036	LAKE CK IMPACTED RIPARIAN	Floodplain sediments	45,000	SF-238	SFCDR Tributary (Lake Creek)	Excavate and Dispose			8.69	0	PRIVATE	U.S. Silver - Idaho, Inc.
WAL002	WESTERN UNION LOWER ADIT	Floodplain waste rock Adit Drainage	200	SF-240	SFCDR Tributary (Revenue Gulch)	Excavate and Cap Active Treatment	adjacent to residences and High Human Access	Moderate erosion	0.870	34.1	PRIVATE	Hecla Limited
OSB030	SILVERTON PROSPECT UPPER ADIT	Upland waste rock (erosion potential)	200	SF-240	SFCDR Tributary (Revenue Gulch)	Excavate and Cap	2000' upstream of remediated properties		0.450	0	USFS	U.S.
OSB073	SILVERTON PROSPECT LOWER ADIT	Upland waste rock (erosion potential)	22,000	SF-240	SFCDR Tributary (Revenue Gulch)	Excavate and Cap	1000' upstream of remediated properties		0.580	52.5	USFS	U.S.
WAL016	ARGENTINE MINE	Upland waste rock (erosion potential)	200	SF-242	SFCDR Tributary (Argentine Gulch)	Excavate and Dispose			0.480	0	PRIVATE	US Silver Idaho Inc.

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WAL073	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-244	SFCDR Tributary (Shields Gulch)	Excavate and Cap			0.100	0	BLM	U.S.
WAL072	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-244	SFCDR Tributary (Shields Gulch)	Excavate and Cap			0.0800	32.7	BLM	U.S.
WAL034	SHIELDS GULCH IMPACTED RIPARIAN	Floodplain sediments	78,000	SF-244	SFCDR Tributary (Shields Gulch)	Excavate and Repository			6.08	0	PRIVATE	
OSB072	WESTERN UNION UPPER ADIT	Upland waste rock (erosion potential)	200	SF-245	SFCDR Tributary (Nichols Gulch)	Excavate and Cap	within 4000' of residences		0.230	4.60	PRIVATE	Golconda Mining Corporation
OSB070	SILVERORE-INSPIRATION MINE	Upland waste rock (erosion potential)	31,000	SF-245	SFCDR Tributary (Nichols Gulch)	Excavate and Cap	within 4000' of residences		1.30	0	PRIVATE	Silverore Mines, Inc.
OSB078	UNNAMED ADIT (Hardscrabble Claim)	Upland waste rock (erosion potential)	200	SF-248	SFCDR Tributary (Twomile Creek)	Excavate and Cap	Moderate Human Access, and More than 1 mile from houses	Moderate erosion	0.0800	35.0	PRIVATE	Azteca Gold Corp.
OSB025	CAPITOL SILVER-LEAD: NO. 3	Upland waste rock (erosion potential)	12,000	SF-248	SFCDR Tributary (Twomile Creek)	Excavate and Cap	Low Human Access, and More than 1 mile from houses	No erosion	0.500	0	USFS	U.S.
OSB074	ST. JOE NO.1	Adit drainage		SF-252	SFCDR Tributary (Terror Gulch)	Passive Treatment			0	96.4	USFS	U.S.
KLE068	UNNAMED ADIT (St. Joe No. 2)	Upland waste rock (erosion potential)	14,000	SF-252	SFCDR Tributary (Terror Gulch)	Excavate and Dispose			0.210	15.1	USFS	
KLE067	ST. JOE NO.4	Upland Waste Rock	27,500	SF-252	SFCDR Tributary (Terror Gulch)	Excavate and Cap			0.200	0	USFS	U.S.
KLE066	RHODE ISLAND NO.1 & NO.2 & ASSOC.ADITS	Upland waste rock (erosion potential)	200	SF-252	SFCDR Tributary (Terror Gulch)	Excavate and Cap			0.380	16.0	USFS	U.S.
KLE070	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-252	SFCDR Tributary (Terror Gulch)	Excavate and Cap			0.420	53.6	USFS	U.S.
KLE069	ST. JOE NO.3	Upland waste rock (erosion potential)	1,300	SF-252	SFCDR Tributary (Terror Gulch)	Excavate and Cap			0.420	43.9	USFS	U.S.
POL064	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0	0	PRIVATE	
KLE051	FLORENCE MINE	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0	0	BLM	
KLE021	ALHAMBRA MINE	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0	0	BLM	Mil, L.C.

TABLE 6

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the SFCDR Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
KLE020	NEW HILARITY MINE	Upland waste rock (erosion potential)	36,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0	0	BLM	U.S.
OSB075	UNNAMED ADIT	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0	0	USFS	U.S.
KLE023	PIONEER MINES INC. PROPERTY	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0.200	23.6	PRIVATE	Bank of Whitman
KLE042	MOON CK POND AT MOUTH	Floodplain sediments Floodplain Tailings	50,000 13,000	SF-268	South Fork Coer d' Alene River	Excavate and Repository Excavate and Dispose	adjacent to remediated property		0	43.1	PRIVATE	Dennis L. Tate & Doris Miller
POL019	COEUR D ALENE MINE	Upland waste rock (erosion potential)	200,000	SF-268	South Fork Coer d' Alene River	Low-Permeability Cap with Erosion Protection			4.96	0	PRIVATE	
KLE033	POLARIS MINE	Upland waste rock (erosion potential)	25,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap			1.60	0	PRIVATE	U.S.
POL021	ECLIPSE MINE	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0.660	0	PRIVATE	
KLE016	SYNDICATE MINING & EXPLORATION CO.	Upland waste rock (erosion potential)	200	SF-268	South Fork Coer d' Alene River	Excavate and Cap			0.620	0	BLM	U.S.
KLE074	COEUR D ALENE MILLSITE	Upland tailings	14,000	SF-268	South Fork Coer d' Alene River	Excavate and Dispose	Moderate Human Access, and 1/4 to 1/2 mile from houses	Moderate erosion	2.82	0	PRIVATE	
WAL004	SF CDA RIVER RAILROAD YARDS & IMP FLDP	Floodplain sediments	160,000	SF-268	South Fork Coer d' Alene River	Excavate + Repository +Stream Lining + French Drain			52.4	0	PRIVATE	
KLE025	SUNSHINE TAILINGS POND: NO. 2	Floodplain Tailings - inactive facilities	404,000	SF-268	South Fork Coer d' Alene River	Impoundment Closure			24.1	0	PRIVATE	Idaho Department of Environmental Quality
WAL020	CALADAY MINE	Upland Waste rock (with Potential) Adit drainage	139,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap Active Treatment	active status, within 2000' of County ROW Low Human Access, and 1/2 to 1 mile from houses	No erosion	5.19	0	PRIVATE	
WAL035	OSBURN ROCKPIT ALONG I-90: NO. 2	Floodplain waste rock	140,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap	No Human Access, and 1/4 to 1/2 mile from houses	No erosion	4.79	0	PRIVATE	
OSB065	SF CDA RIVER IMPACTED FLOODPLAIN: NO. 3	Floodplain sediments	1,400,000	SF-268	South Fork Coer d' Alene River	Excavate + Repository +Stream Lining + French Drain			103	0	PRIVATE	Zeco Corp. & J.S. Roholt, M.T. Roholt, R.B. Roholt
WAL014	ST. ELMO MINE	Upland waste rock (erosion potential)	39,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap	within 1600' of residences		1.61	0	PRIVATE	Stimson Lumber Company

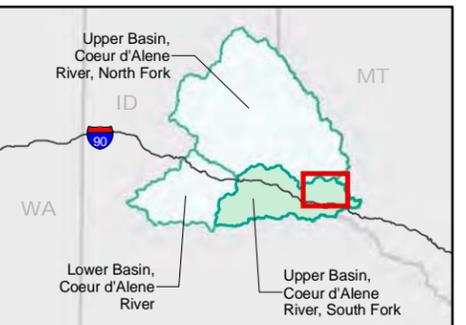
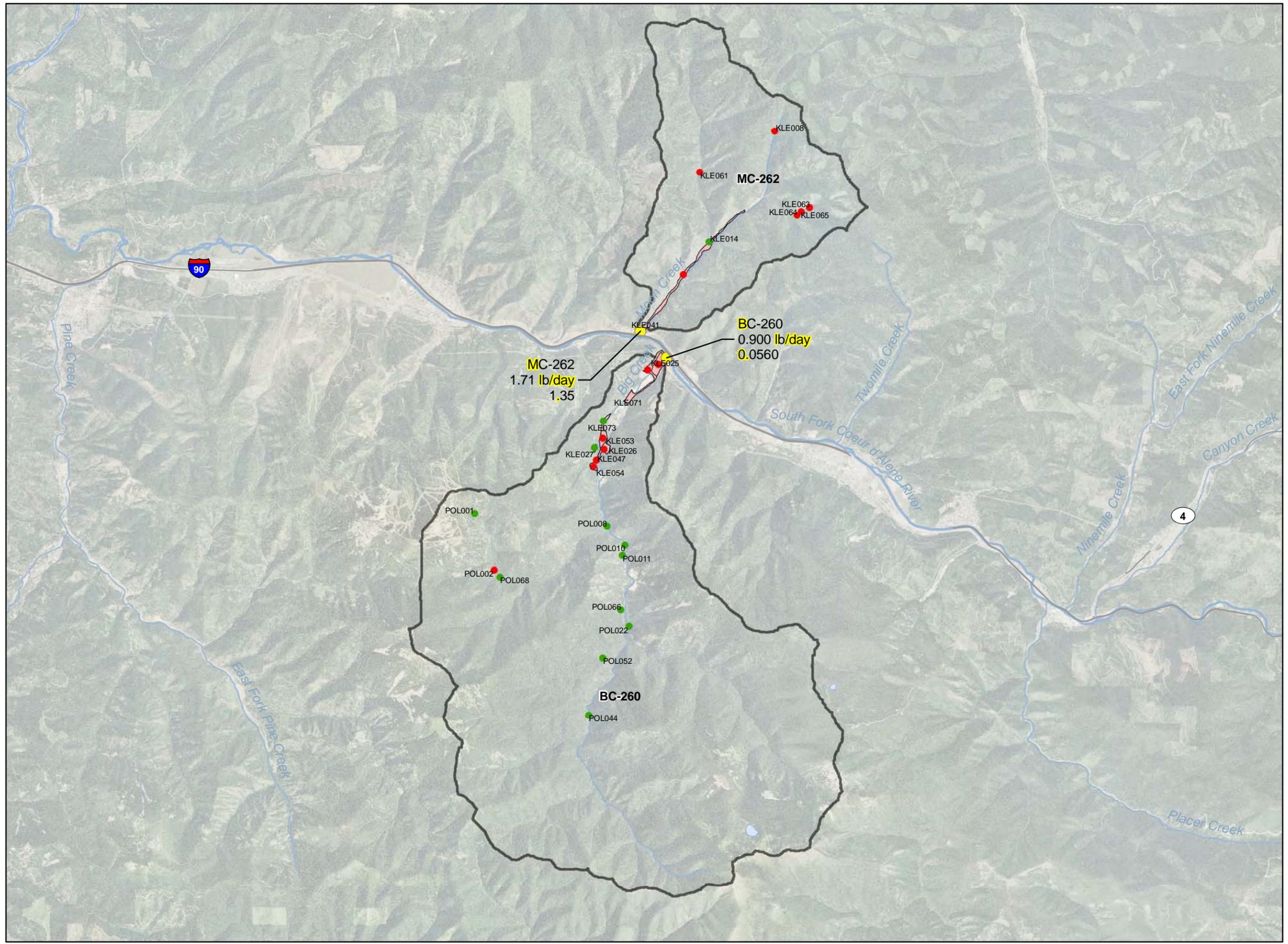
TABLE 6

Summary Data to be Used for The Adaptive Management Framework for Alternative 3+ Sites within the SFCDR Watershed
OU3 Upper Basin

BLM Site Number	Site Name	Waste Type	Waste Volume ^a	Simplified Tool Stream Segment ^b	Watershed	Alternative 3+ TCD	Proximity To Residence ^c	Erosion Potential ^d	Riparian Acreage ^h	Distance to Nearest Water Body ^e	Property Ownership Type	Property Ownership Detail
OSB120	SF CDA RIVER IMPACTED FLOODPLAIN: NO. 4	Floodplain sediments	1,200,000	SF-268	South Fork Coer d' Alene River	Excavate + Repository +Stream Lining + French Drain			166	0	PRIVATE	
KLE040	SF CDA RIVER IMPACTED FLOODPLAIN: NO. 5	Floodplain sediments	112,000	SF-268	South Fork Coer d' Alene River	Stream Lining + French Drain			12.1	0	PRIVATE	State of Idaho
KLE011	SILVER CRESCENT TAILINGS	Upland tailings - inactive facilities	82,000	SF-268	South Fork Coer d' Alene River	Impoundment Closure			7.54	591	PRIVATE	
OSB117	OSBURN ZANETTI STOCKPILED TAILINGS	Floodplain tailings	14,000	SF-268	South Fork Coer d' Alene River	Excavate and Dispose			1.34	0	PRIVATE	Zanetti Brothers, Inc.
OSB119	OSBURN ZANETTI GRAVEL OPERATION	Floodplain sediments (underlying tailings pond)	410,000	SF-268	South Fork Coer d' Alene River	Hydraulic Isolation			55.5	0	PRIVATE	Zanetti Brothers, Inc.
WAL037	HERCULES MILLSITE	Upland tailings	12,000	SF-268	South Fork Coer d' Alene River	Excavate and Dispose	High Human Access, and 1/2 to 1 mile from houses	No erosion	1.75	115	PRIVATE	
KLE048	SF CDA RIVER SVNRT REHAB	Floodplain sediments	190,000	SF-268	South Fork Coer d' Alene River	Excavate + Repository +Stream Lining + French Drain			13.0	0	PRIVATE	Zeco Corp.
WAL001	OSBURN TAILINGS PONDS	Floodplain sediments (underlying tailings pond) Upland tailings - active facilities	430,000 3,100,000	SF-268	South Fork Coer d' Alene River	Hydraulic Isolation Impoundment Closure	a few residences near the downstream end of the ponds, Moderate Human Access, and Within 1/4 mile from houses	No erosion	65.6	84.2	PRIVATE	
KLE034	SILVER DOLLAR MINE	Floodplain waste rock	22,000	SF-268	South Fork Coer d' Alene River	Excavate and Cap			2.09		PRIVATE	
KLE049	SF CDA RIVER IMPACTED RIPARIAN (MidGradSeg01 & Mid	Floodplain sediments	200,000	SF-268	South Fork Coer d' Alene River	Excavate + Repository +Stream Lining + French Drain			41.1	0	BLM	
OSB118	OSBURN NORTH TAILINGS AREA	Floodplain sediments	60,000	SF-268	South Fork Coer d' Alene River	Excavate and Repository			22.8	0	PRIVATE	Zanetti Brothers, Inc.
WAL038	SF CDA RIVER IMPACTED FLOODPLAIN: NO. 1	Floodplain sediments	480,000	SF-268	South Fork Coer d' Alene River	Excavate and Repository			83.4	0	PRIVATE	
KLE062	OSBURN FLATS BUREAU OF MINES TESTPLOT	Floodplain sediments	26,000	SF-268	South Fork Coer d' Alene River	Excavate and Repository			3.30	136	PRIVATE	Coeur d'Alene Crescent Mining Company
KLE075	SILVER SUMMIT MILLSITE (Polaris)	Upland tailings	4,000	SF-268	South Fork Coer d' Alene River	Excavate and Dispose	within 300' of Residences		0.480	756	PRIVATE	

Notes

- a Waste volume was provided from the BLM.
- b GIS software was used to perform a pour point analysis to determine which BLM sites are located within specific drainages. The stream segment shown represents the drainage that the specific BLM site is located within.
- c Observations on the distance to residences was performed by IDEQ during the ongoing residential yard remediation.
- d Observations on erosion potential were performed during the 2008 erosion survey.
- e Riparian acreage was provided from the Trustee's as part of the prioritization efforts.
- f Distance to the nearest water body includes any waterbody, including unnamed tributaries.



- Station
- Alternative 3+ Site
- Alternative 3+ site where comments have been received
- Source Area Included in Alternative 3+
- Watershed Boundary

CC-290 — 2008 Station ID
0.44 lb/day — Dissolved Zinc Load
0.107 — AWQC Ratio
 Source: 2006 1 meter NAIP, 10M dem

Preliminary Data - Subject to Change

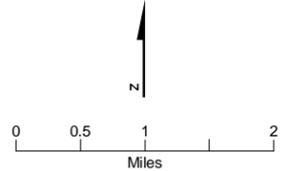
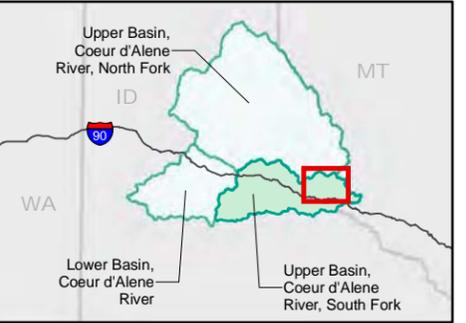
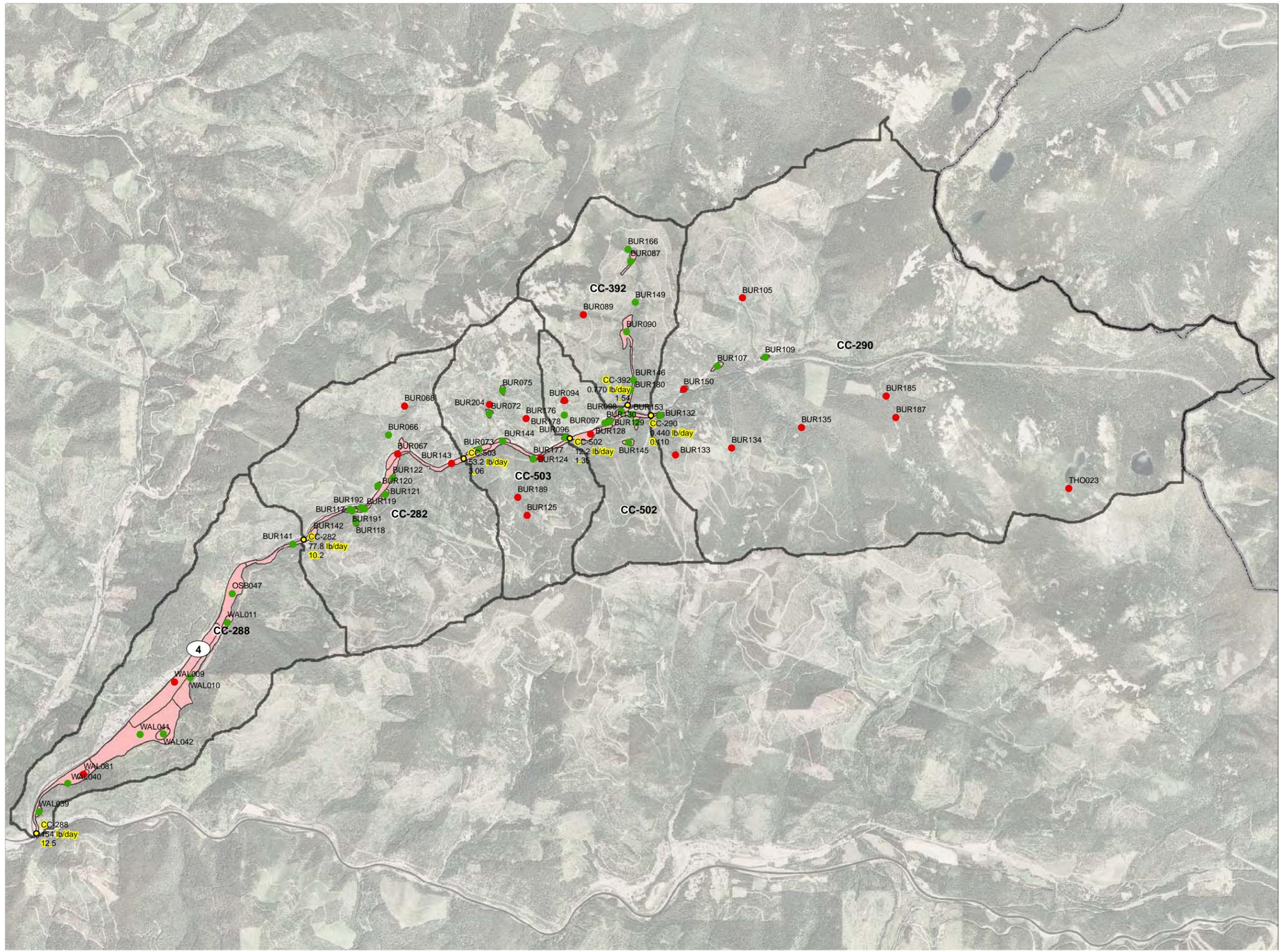


Figure 6
Alternative 3+ Screening -
Big Creek, Moon Creek
 December 7, 2010
 UPPER BASIN PFT MEETING





- 2008 Station
- Alternative 3+ Site
- Alternative 3+ site where comments have been received
- Source Area Included in Alternative 3+
- Watershed 2008 Stations (Station ID)

CC-290 — 2008 Station ID
 0.44 lb/day — Dissolved Zinc Load
 0.107 — AWQC Ratio
 Source: 2006 1 meter NAIP, 10M dem

Preliminary Data - Subject to Change

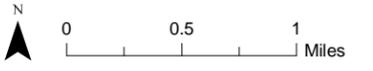
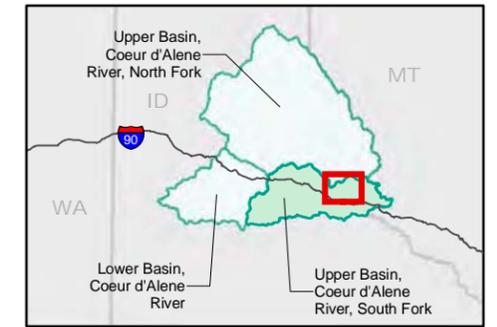
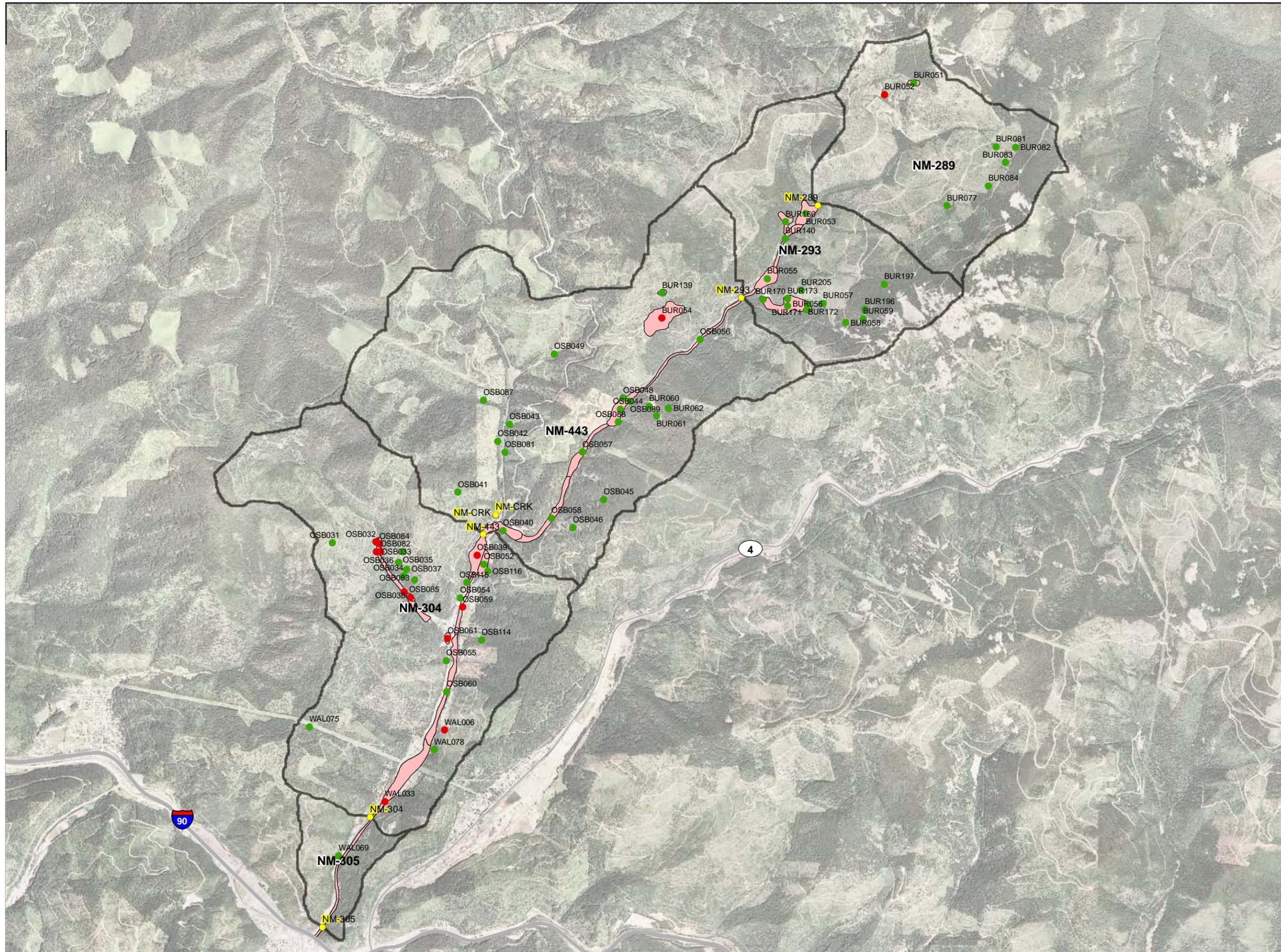
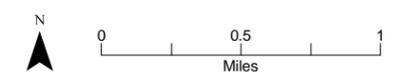


Figure 2
Alternative 3+ Screening - Canyon Creek
 December 7, 2010
 UPPER BASIN PFT MEETING





- Alternative 3+ Site
- Alternative 3+ site where comments have been received
- 2008 Station
- Source Area Included in Alternative 3+
- Watershed 2008 Stations (Station ID)



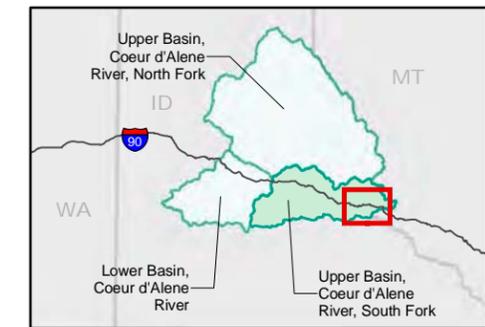
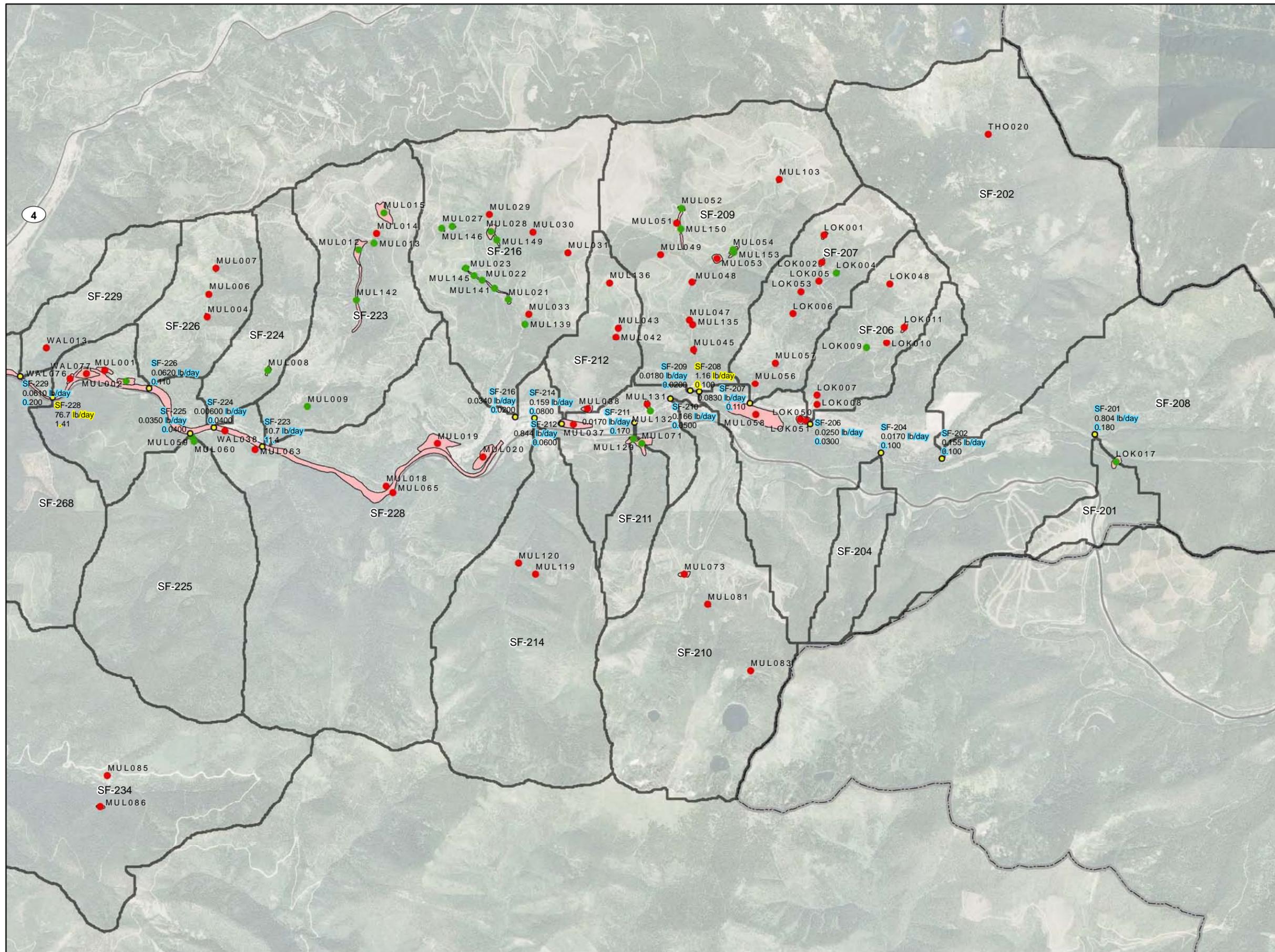
NM-289 — 2008 Station ID
0.07 lb/day — Dissolved Zinc Load
0.13 — AWQC Ratio

Imagery Source: 2006 1-meter NAIP
 * Bridge repairs (if needed) are not included
 * NM-304 simulated based upon 1997 RI dataset and current 2008 conditions

Preliminary Data - Subject to Change

Figure 1
Alternative 3+ Screening - Ninemile Creek
 December 7, 2010
 UPPER BASIN PFT MEETING





- Alternative 3+ Site
- Alternative 3+ site where comments have been received
- 1997 Station
- Source Area Included in Alternative 3+
- Watershed 2008 Stations (Station ID)

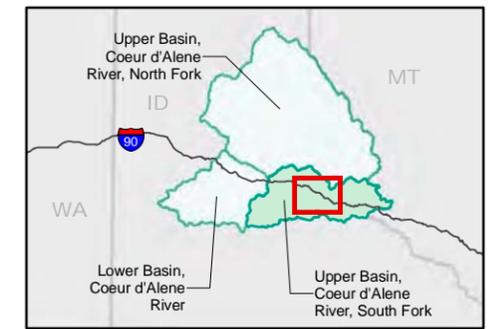
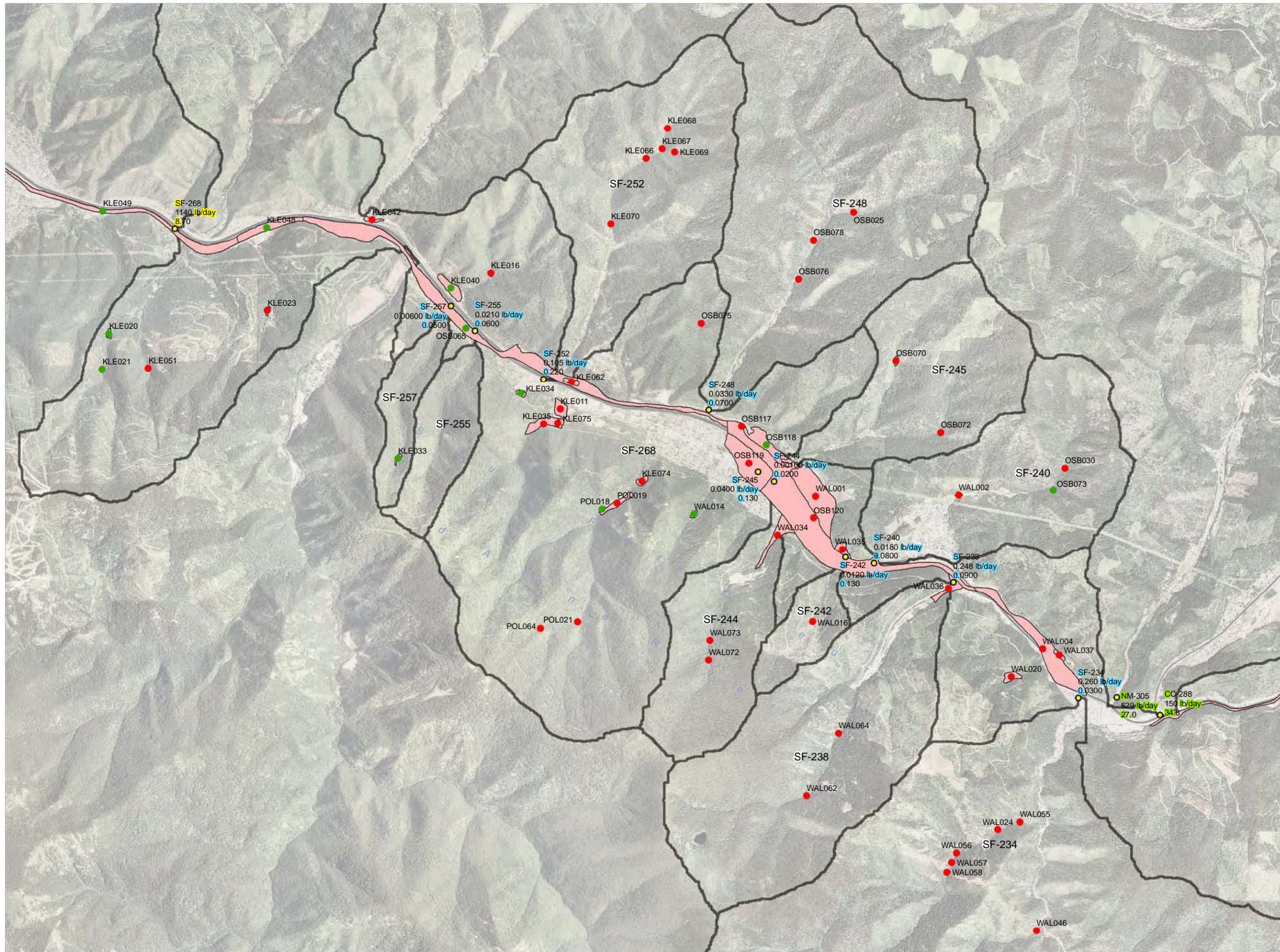
- Main Stem Station**
- SF-208 — Station ID
 - 1.159 lb/day — Dissolved Zinc Load
 - 0.1 — AWQC Ratio
- Major Tributary Station**
- CC-288 — Station ID
 - 150.2 lb/day — Dissolved Zinc Load
 - 34.8 — AWQC Ratio
- Minor Tributary Station**
- SF-204 — Station ID
 - 0.017 lb/day — Dissolved Zinc Load
 - 0.1 — AWQC Ratio



Imagery Source: 2006 1-meter NAIP

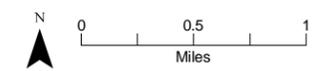
Preliminary Data - Subject to Change

Figure 3
Alternative 3+ Screening - SFCDR Watershed (East)
 December 7, 2010
 UPPER BASIN PFT MEETING



- Alternative 3+ Site
- Alternative 3+ site where comments have been received
- 1997 Station
- Source Area Included in Alternative 3+
- Watershed 2008 Stations (Station ID)

- Main Stem Station**
- SF-208 — Station ID
 - 1.159 lb/day — Dissolved Zinc Load
 - 0.1 — AWQC Ratio
- Major Tributary Station**
- CC-288 — Station ID
 - 150.2 lb/day — Dissolved Zinc Load
 - 34.8 — AWQC Ratio
- Minor Tributary Station**
- SF-204 — Station ID
 - 0.017 lb/day — Dissolved Zinc Load
 - 0.1 — AWQC Ratio



Imagery Source: 2006 1-meter NAIP

Preliminary Data - Subject to Change

Figure 4
Alternative 3+ Screening - SFCDR Watershed (West)
 December 7, 2010
 UPPER BASIN PFT MEETING

