Table A-1 Aquatic Plant Background Samples

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Cadmium	0.15	0.040	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Cadmium	0.06	0.010	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Cadmium	0.36	0.120	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Cadmium	0.09	0.020	mg/kg
Submergent macrophyte	RV001	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV01	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV002-1	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV002-2	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV003	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV003	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV004	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV004	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV005	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV005	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV006	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV006	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV007-1	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV007-2	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV008	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV008	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV009	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV009	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV010	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV010	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	RV011	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV011	Cadmium	ND	0.140	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-1	Cadmium	0.60	0.140	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-2	Cadmium	0.44	0.140	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-3	Cadmium	0.61	0.020	mg/kg
Submergent macrophyte	RV001	Blackfoot Reservoir, Upper Segment	BACK	051700SMRV001	Cadmium	0.36	0.100	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV002-1	Cadmium	0.33	0.100	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV002-2	Cadmium	0.44	0.100	mg/kg
Submergent macrophyte	RV003	Blackfoot Reservoir, Upper Segment	BACK	051700SMRV003	Cadmium	0.53	0.100	mg/kg
Submergent macrophyte	RV004	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV004	Cadmium	0.52	0.100	mg/kg
Submergent macrophyte	RV005	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV005	Cadmium	1.10	0.100	mg/kg
Submergent macrophyte	RV006	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV006	Cadmium	0.80	0.100	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV007-1	Cadmium	0.70	0.100	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV007-2	Cadmium	0.75	0.100	mg/kg
Submergent macrophyte	RV008	Blackfoot Reservoir, Upper Segment	BACK	051900SMRV008	Cadmium	0.52	0.100	mg/kg
Submergent macrophyte	RV009	Blackfoot Reservoir, Upper Segment	BACK	051900SMRV009	Cadmium	0.22	0.100	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-1	Cadmium	0.65	0.100	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-2	Cadmium	0.50	0.100	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-3	Cadmium	0.74	0.100	mg/kg
Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-1	Cadmium	0.52	0.100	mg/kg

Table A-1 Aquatic Plant Background Samples

Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-2	Cadmium	0.13	0.100	mg/kg
Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-3	Cadmium	0.48	0.100	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Chromium	10.10	0.070	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Chromium	1.30	0.020	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Chromium	23.00	0.240	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Chromium	6.70	0.030	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Copper	6.00	0.180	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Copper	1.80	0.060	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Copper	6.50	0.590	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Copper	2.50	0.090	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Nickel	4.80	0.260	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Nickel	0.49	0.080	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Nickel	9.40	0.830	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Nickel	3.20	0.120	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Selenium	0.77	0.280	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Selenium	0.49	0.090	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Selenium	2.00	0.950	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Selenium	0.53	0.130	mg/kg
Submergent macrophyte	RV001	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV01	Selenium	1.60	0.020	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV002-1	Selenium	1.30	0.020	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV002-2	Selenium	2.20	0.020	mg/kg
Submergent macrophyte	RV003	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV003	Selenium	1.40	0.020	mg/kg
Submergent macrophyte	RV004	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV004	Selenium	0.76	0.020	mg/kg
Submergent macrophyte	RV005	Blackfoot Reservoir, Upper Segment	BACK	090999SMRV005	Selenium	1.90	0.020	mg/kg
Submergent macrophyte	RV006	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV006	Selenium	1.30	0.020	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV007-1	Selenium	1.90	0.020	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	091099SMRV007-2	Selenium	0.65	0.020	mg/kg
Submergent macrophyte	RV008	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV008	Selenium	1.30	0.020	mg/kg
Submergent macrophyte	RV009	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV009	Selenium	0.88	0.020	mg/kg
Submergent macrophyte	RV010	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV010	Selenium	1.00	0.020	mg/kg
Submergent macrophyte	RV011	Blackfoot Reservoir, Upper Segment	BACK	091199SMRV011	Selenium	2.60	0.020	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-1	Selenium	2.00	0.020	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-2	Selenium	1.90	0.020	mg/kg
Submergent macrophyte	ST148	Creek	BACK	091499SMST148-3	Selenium	2.40	0.020	mg/kg
Submergent macrophyte	RV001	Blackfoot Reservoir, Upper Segment	BACK	051700SMRV001	Selenium	12.00	0.067	mg/kg
Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV002-1	Selenium	5.50	0.067	mg/kg

Table A-1 Aquatic Plant Background Samples

Submergent macrophyte	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV002-2	Selenium	4.50	0.067	mg/kg
Submergent macrophyte	RV003	Blackfoot Reservoir, Upper Segment	BACK	051700SMRV003	Selenium	6.90	0.067	mg/kg
Submergent macrophyte	RV004	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV004	Selenium	7.50	0.067	mg/kg
Submergent macrophyte	RV005	Blackfoot Reservoir, Upper Segment	BACK	051800SMRV005	Selenium	1.80	0.067	mg/kg
Submergent macrophyte	RV006	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV006	Selenium	0.95	0.067	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV007-1	Selenium	1.20	0.067	mg/kg
Submergent macrophyte	RV007	Blackfoot Reservoir, Upper Segment	BACK	052000SMRV007-2	Selenium	1.30	0.067	mg/kg
Submergent macrophyte	RV008	Blackfoot Reservoir, Upper Segment	BACK	051900SMRV008	Selenium	1.20	0.067	mg/kg
Submergent macrophyte	RV009	Blackfoot Reservoir, Upper Segment	BACK	051900SMRV009	Selenium	1.30	0.067	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-1	Selenium	2.00	0.067	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-2	Selenium	1.80	0.067	mg/kg
Submergent macrophyte	ST148	Creek	BACK	051100SMST148-3	Selenium	2.10	0.067	mg/kg
Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-1	Selenium	1.20	0.067	mg/kg
Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-2	Selenium	0.41	0.067	mg/kg
Submergent macrophyte	ST237	Timber Creek	BACK	051100SMST236-3	Selenium	1.10	0.067	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Vanadium	1.10	0.140	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Vanadium	0.18	0.040	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Vanadium	2.50	0.440	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Vanadium	0.61	0.060	mg/kg
plant tissue	KCTT042	Kendall Creek	BG	PTKCTT04201	Zinc	36.90	0.360	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-01A	Zinc	58.10	0.110	mg/kg
plant tissue	SCAETT047	Spring Creek above East Mill Creek	BG	PT-SCAETT047-02A	Zinc	41.20	1.100	mg/kg
plant tissue	USCTT041	Upper Sage Creek	BG	PTUSCTT041-01	Zinc	26.60	0.170	mg/kg

Notes: [1] All units reported on a dry weight basis

BDL = Below Detection Limits

NA = Not Available

QNS = Quantity Not Sufficient for Analysis

Table A-2 Aquatic Plant Impacted Samples

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Cadmium	0.07	0.050	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Cadmium	11.50	0.050	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Cadmium	0.04	0.030	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Cadmium	0.85	0.090	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Cadmium	0.78	0.050	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Cadmium	1.30	0.030	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-1	Cadmium	1.60	0.140	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-2	Cadmium	1.10	0.140	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-3	Cadmium	1.70	0.140	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-1	Cadmium	1.20	0.140	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-2	Cadmium	1.00	0.140	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-3	Cadmium	0.90	0.140	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-1	Cadmium	1.30	0.140	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-2	Cadmium	1.10	0.140	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-3	Cadmium	1.20	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-1	Cadmium	0.46	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-2	Cadmium	0.60	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-3	Cadmium	0.58	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-4	Cadmium	0.67	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-5	Cadmium	0.63	0.140	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-6	Cadmium	0.68	0.140	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-1	Cadmium	0.69	0.140	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-2	Cadmium	0.92	0.140	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-3	Cadmium	0.83	0.140	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-1	Cadmium	1.30	0.140	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-2	Cadmium	1.60	0.140	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-3	Cadmium	1.90	0.140	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-1	Cadmium	0.29	0.140	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-2	Cadmium	1.10	0.140	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-3	Cadmium	0.38	0.140	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-1	Cadmium	33.00	0.140	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-2	Cadmium	36.00	0.140	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-3	Cadmium	41.00	0.140	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-1	Cadmium	1.30	0.140	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-2	Cadmium	1.20	0.140	mg/kg

Table A-2 Aquatic Plant Impacted Samples

Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-3	Cadmium	0.95	0.140	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-4	Cadmium	1.30	0.140	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-5	Cadmium	0.75	0.140	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-6	Cadmium	0.31	0.140	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-1	Cadmium	2.40	0.140	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-2	Cadmium	2.00	0.140	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-3	Cadmium	2.10	0.140	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-1	Cadmium	28.00	0.140	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-2	Cadmium	29.00	0.140	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-3	Cadmium	29.00	0.140	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-1	Cadmium	1.20	0.100	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-2	Cadmium	0.62	0.100	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-3	Cadmium	0.38	0.100	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-1	Cadmium	0.91	0.100	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-2	Cadmium	0.92	0.100	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-3	Cadmium	1.30	0.100	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-1	Cadmium	1.30	0.100	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-2	Cadmium	1.00	0.100	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-3	Cadmium	0.96	0.100	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-1	Cadmium	0.56	0.100	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-2	Cadmium	0.55	0.100	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-3	Cadmium	0.84	0.100	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	050900SMST127-1	Cadmium	2.10	0.100	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900SMST129-1	Cadmium	1.40	0.100	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900SMST129-2	Cadmium	1.60	0.100	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-1	Cadmium	1.80	0.100	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-2	Cadmium	2.60	0.100	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-3	Cadmium	1.40	0.100	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-1	Cadmium	2.60	0.100	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-2	Cadmium	2.50	0.100	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-3	Cadmium	1.80	0.100	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-1	Cadmium	5.30	0.100	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-2	Cadmium	28.00	0.100	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-3	Cadmium	17.00	0.100	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-1	Cadmium	0.77	0.100	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-2	Cadmium	0.95	0.100	mg/kg

Table A-2 Aquatic Plant Impacted Samples

Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-3	Cadmium	0.92	0.100	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-1	Cadmium	0.84	0.100	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-2	Cadmium	0.75	0.100	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-3	Cadmium	1.10	0.100	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Chromium	5.40	0.100	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Chromium	45.20	0.110	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Chromium	5.20	0.050	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Chromium	15.50	0.180	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Chromium	33.80	0.110	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Chromium	52.60	0.070	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Copper	3.30	0.240	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Copper	11.40	0.270	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Copper	1.70	0.120	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Copper	5.70	0.440	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Copper	5.20	0.270	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Copper	6.00	0.170	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Nickel	2.80	0.340	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Nickel	23.90	0.380	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Nickel	2.50	0.170	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Nickel	8.80	0.610	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Nickel	16.00	0.380	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Nickel	24.20	0.240	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Selenium	14.60	0.380	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Selenium	39.40	0.410	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Selenium	2.80	0.190	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Selenium	6.60	0.660	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Selenium	5.50	0.420	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Selenium	9.00	0.250	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-1	Selenium	4.60	0.020	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-2	Selenium	4.40	0.020	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299MST019-3	Selenium	4.20	0.020	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-1	Selenium	8.00	0.020	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-2	Selenium	6.20	0.020	mg/kg
Submergent Macrophyte	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699SMST021-3	Selenium	4.80	0.020	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-1	Selenium	3.80	0.020	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-2	Selenium	5.10	0.020	mg/kg

Table A-2 Aquatic Plant Impacted Samples

Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599SMST023-3	Selenium	4.70	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-1	Selenium	4.30	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-2	Selenium	5.50	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-3	Selenium	4.10	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-4	Selenium	4.70	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-5	Selenium	4.30	0.020	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	091599SMST026-6	Selenium	4.30	0.020	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-1	Selenium	1.50	0.020	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-2	Selenium	1.30	0.020	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499SMST029-3	Selenium	1.30	0.020	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-1	Selenium	3.20	0.020	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-2	Selenium	4.80	0.020	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	091299SMST127-3	Selenium	3.70	0.020	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-1	Selenium	1.40	0.020	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-2	Selenium	1.60	0.020	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Unit III	IMP	091299SMST129-3	Selenium	1.70	0.020	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-1	Selenium	31.00	0.020	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-2	Selenium	41.00	0.020	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	091399SMST227-3	Selenium	46.00	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-1	Selenium	5.10	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-2	Selenium	5.50	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-3	Selenium	5.00	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-4	Selenium	5.10	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-5	Selenium	4.70	0.020	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499SMST229-6	Selenium	2.30	0.020	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-1	Selenium	4.00	0.020	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-2	Selenium	8.80	0.020	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	0911699SMST232-3	Selenium	6.50	0.020	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-1	Selenium	14.00	0.020	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-2	Selenium	13.00	0.020	mg/kg
Submergent Macrophyte	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091599SMTP004-3	Selenium	13.00	0.020	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-1	Selenium	2.80	0.067	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-2	Selenium	2.60	0.067	mg/kg
Submergent Macrophyte	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300SMST019-3	Selenium	2.20	0.067	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-1	Selenium	2.50	0.067	mg/kg
Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-2	Selenium	3.40	0.067	mg/kg

Table A-2 Aquatic Plant Impacted Samples

Submergent Macrophyte	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200SMST023-3	Selenium	3.90	0.067	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-1	Selenium	2.00	0.067	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-2	Selenium	5.00	0.067	mg/kg
Submergent Macrophyte	ST026	Blackfoot River, downstream of the Narrows	IMP	051200SMST026-3	Selenium	3.60	0.067	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-1	Selenium	1.60	0.067	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-2	Selenium	1.30	0.067	mg/kg
Submergent Macrophyte	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000SMST029-3	Selenium	1.40	0.067	mg/kg
Submergent Macrophyte	ST127	Angus Creek, downstream of No Name Creek	IMP	050900SMST127-1	Selenium	1.60	0.067	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900SMST129-1	Selenium	2.20	0.067	mg/kg
Submergent Macrophyte	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900SMST129-2	Selenium	0.59	0.067	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-1	Selenium	8.40	0.067	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-2	Selenium	11.00	0.067	mg/kg
Submergent Macrophyte	ST130	Reservoir	IMP	050900SMST130-3	Selenium	9.60	0.067	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-1	Selenium	12.00	0.067	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-2	Selenium	12.00	0.067	mg/kg
Submergent Macrophyte	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000SMST145-3	Selenium	8.60	0.067	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-1	Selenium	32.00	0.067	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-2	Selenium	62.00	0.067	mg/kg
Submergent Macrophyte	ST227	East Mill Creek	IMP	050900SMST227-3	Selenium	41.00	0.067	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-1	Selenium	2.80	0.067	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-2	Selenium	3.10	0.067	mg/kg
Submergent Macrophyte	ST229	Blackfoot River, downstream of Spring Creek	IMP	051000SMST229-3	Selenium	3.90	0.067	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-1	Selenium	3.60	0.067	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-2	Selenium	4.40	0.067	mg/kg
Submergent Macrophyte	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400SMST232-3	Selenium	3.90	0.067	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Vanadium	0.94	0.180	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Vanadium	24.40	0.200	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Vanadium	0.35	0.090	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Vanadium	4.70	0.320	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Vanadium	9.80	0.200	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Vanadium	13.30	0.120	mg/kg
plant tissue	EMCNTT045	East Mill Creek North (wetland area)	IMP	PTEMCNTT045	Zinc	68.70	0.470	mg/kg
plant tissue	EMCTT043	East Mill Creek	IMP	PTEMCTT043-01	Zinc	162.00	0.520	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-01	Zinc	43.10	0.230	mg/kg
plant tissue	LSCTT040	Lower Sage Creek	IMP	PTLLSCTT040-02	Zinc	62.50	0.850	mg/kg
plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046	Zinc	35.30	0.530	mg/kg

Table A-2 Aquatic Plant Impacted Samples

plant tissue	SCBETT046	Spring Creek below East Mill Creek	IMP	PTSCBETT046-02	Zinc	58.10	0.330	mg/kg

Notes: [1] All units reported on a dry weight basis

BDL = Below Detection Limits

NA = Not Available

QNS = Quantity Not Sufficient for Analysis

A-3 Background Benthic Macro Invertebrate Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Cadmium	BDL	0.12	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Cadmium	0.27	0.03	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Cadmium	0.18	0.02	mg/kg[1]
Benthic macroinvertebrate	RV001	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV001	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999BMRV002-1+2	Cadmium	ND	3.30	mg/kg[2]
Benthic macroinvertebrate	RV003	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV003	Cadmium	QNS	3.30	mg/kg[2]
Benthic macroinvertebrate	RV005	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV005	Cadmium	ND	3.30	mg/kg[2]
Benthic macroinvertebrate	RV006	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV006-C2	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	0919099BMRV007-1+2	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	RV008	Blackfoot Reservoir, Upper Segment	BACK	091199BMRV008-C2	Cadmium	ND	3.30	mg/kg[2]
Benthic macroinvertebrate	RV009	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV009-C3	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	RV010	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV010-C3	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	RV011	Blackfoot Reservoir, Upper Segment	BACK	090999BMRV011-C3	Cadmium	ND	3.30	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-1	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-2	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-3	Cadmium	BDL	3.30	mg/kg[2]
Benthic macroinvertebrate	ST236	Timber Creek	BACK	102099BMST236-135	Cadmium	3.80	3.30	mg/kg[2]
Benthic macroinvertebrate	ST237	Stewart Creek	BACK	102199BMST237-123	Cadmium	4.00	3.30	mg/kg[2]
Benthic macroinvertebrate	RV001	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV001	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV002-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV002-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV003	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV003	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV004	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV004	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV005	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV005	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV006	Blackfoot Reservoir, Upper Segment	BACK	052000BMRV006	Cadmium	1.20	1.00	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV007-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV007-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	RV008	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV008	Cadmium	1.40	1.00	mg/kg[2]
Benthic macroinvertebrate	RV009	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV009	Cadmium	1.90	1.00	mg/kg[2]
Benthic macroinvertebrate	RV0010	Blackfoot Reservoir, Upper Segment	BACK	052000BMRV010	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-1	Cadmium	2.50	1.00	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-2	Cadmium	2.60	1.00	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-3	Cadmium	3.70	1.00	mg/kg[2]
Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-2	Cadmium	QNS	1.00	mg/kg[2]

Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-3	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-2	Cadmium	2.90	1.00	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-3	Cadmium	3.40	1.00	mg/kg[2]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Chromium	BDL	0.23	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Chromium	0.09	0.06	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Chromium	0.51	0.12	mg/kg[1]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Copper	1.00	0.73	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Copper	2.70	0.18	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Copper	2.50	0.10	mg/kg[1]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Nickel	BDL	0.54	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Nickel	BDL	0.14	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Nickel	0.27	0.08	mg/kg[1]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Selenium	0.99	0.88	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Selenium	0.32	0.22	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Selenium	0.29	0.13	mg/kg[2]
Benthic macroinvertebrate	RV001	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV001	Selenium	3.80	0.47	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	090999BMRV002-1+2	Selenium	4.60	0.47	mg/kg[2]
Benthic macroinvertebrate	RV003	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV003	Selenium	QNS	0.47	mg/kg[2]
Benthic macroinvertebrate	RV005	Blackfoot Reservoir, Upper Segment	BACK	090899BMRV005	Selenium	0.65	0.47	mg/kg[2]
Benthic macroinvertebrate	RV006	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV006-C2	Selenium	BDL	0.47	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV007-1+2	Selenium	0.74	0.47	mg/kg[2]
Benthic macroinvertebrate	RV008	Blackfoot Reservoir, Upper Segment	BACK	091199BMRV008-C2	Selenium	BDL	0.47	mg/kg[2]
Benthic macroinvertebrate	RV009	Blackfoot Reservoir, Upper Segment	BACK	091199BMRV009-C2	Selenium	0.88	0.47	mg/kg[2]
Benthic macroinvertebrate	RV010	Blackfoot Reservoir, Upper Segment	BACK	091099BMRV010-C3	Selenium	1.60	0.47	mg/kg[2]
Benthic macroinvertebrate	RV011	Blackfoot Reservoir, Upper Segment	BACK	090999BMRV011-C3	Selenium	10.00	0.47	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-1	Selenium	1.50	0.47	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-2	Selenium	2.70	0.47	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	102499BMST148-3	Selenium	1.70	0.47	mg/kg[2]
Benthic macroinvertebrate	ST236	Timber Creek	BACK	102099BMST236-135	Selenium	0.50	0.47	mg/kg[2]
Benthic macroinvertebrate	ST237	Stewart Creek	BACK	102199BMST237-123	Selenium	2.00	0.47	mg/kg[2]
Benthic macroinvertebrate	RV001	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV001	Selenium	7.50	0.40	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV002-1	Selenium	5.40	0.40	mg/kg[2]
Benthic macroinvertebrate	RV002	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV002-2	Selenium	12.00	0.40	mg/kg[2]
Benthic macroinvertebrate	RV003	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV003	Selenium	8.20	0.40	mg/kg[2]
Benthic macroinvertebrate	RV004	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV004	Selenium	4.20	0.40	mg/kg[2]

Benthic macroinvertebrate	RV005	Blackfoot Reservoir, Upper Segment	BACK	051800BMRV005	Selenium	3.40	0.40	mg/kg[2]
Benthic macroinvertebrate	RV006	Blackfoot Reservoir, Upper Segment	BACK	052000BMRV006	Selenium	0.60	0.40	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV007-1	Selenium	5.30	0.40	mg/kg[2]
Benthic macroinvertebrate	RV007	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV007-2	Selenium	3.30	0.40	mg/kg[2]
Benthic macroinvertebrate	RV008	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV008	Selenium	5.70	0.40	mg/kg[2]
Benthic macroinvertebrate	RV009	Blackfoot Reservoir, Upper Segment	BACK	051900BMRV009	Selenium	10.00	0.40	mg/kg[2]
Benthic macroinvertebrate	RV0010	Blackfoot Reservoir, Upper Segment	BACK	052000BMRV010	Selenium	11.00	0.40	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-1	Selenium	4.80	0.40	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-2	Selenium	11.00	0.40	mg/kg[2]
Benthic macroinvertebrate	ST148	Creek	BACK	062800BMST148-3	Selenium	2.90	0.40	mg/kg[2]
Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-1	Selenium	2.60	0.40	mg/kg[2]
Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-2	Selenium	2.30	0.40	mg/kg[2]
Benthic macroinvertebrate	ST236	Stewart Creek	BACK	062800BMST237-3	Selenium	2.80	0.40	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-1	Selenium	5.10	0.40	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-2	Selenium	3.00	0.40	mg/kg[2]
Benthic macroinvertebrate	ST237	Timber Creek	BACK	062800BMST236-3	Selenium	N/A	0.40	mg/kg[2]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Vanadium	BDL	0.69	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Vanadium	0.45	0.17	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Vanadium	0.59	0.10	mg/kg[1]
insect	SCAETT047	Spring Creek above East Mill Creek	BG	BT-SCAETT047-01A	Zinc	18.50	0.54	mg/kg[1]
insect	KCTT042	Kendall Creek	BG	MIT-KCTT042-01	Zinc	45.30	0.14	mg/kg[1]
insect	USCTT041	Upper Sage Creek	BG	UPPER SAGE ABOVE MINE	Zinc	30.30	0.08	mg/kg[1]

[1]

[2] Results are on dry weight basis

BDL = Below Detection Limits

A-4 Impacted Macro Invertebrate Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Cadmium	0.10	0.01	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Cadmium	1.10	0.02	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Cadmium	0.07	0.01	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Cadmium	6.00	0.60	mg/kg[1]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	102299BMST019-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST021	Blackfoot River, downstream of Trail Creek	IMP	102399BMST021-1+2	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	102399BMST023-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-1	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-1+3	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-4	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-5	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-6	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-10	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-11	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-12	Cadmium	4.00	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-13	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-14	Cadmium	3.70	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-15	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	102499BMST029-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	102199BMST127-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Unit III	IMP	102199BMST129-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST130	sediment pond	IMP	102299BMST130-123	Cadmium	BDL	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	102499BMST145-123	Cadmium	5.60	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	102199BMST227-123	Cadmium	8.60	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	102499BMST229-123	Cadmium	3.30	3.30	mg/kg[2]
Benthic Macroinvertebrate	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	0999BMRV/TP004	Cadmium	62.00	3.30	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-2	Cadmium	1.90	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-3	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST021	Blackfoot River, downstream of Trail Creek	IMP	070100BMST021-2	Cadmium	1.20	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-1	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-3	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-1	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-2	Cadmium	BDL	1.00	mg/kg[2]

Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-3	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-1	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-2	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-3	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-3	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-1	Cadmium	3.40	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-2	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-3	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-1	Cadmium	1.80	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-2	Cadmium	3.00	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-3	Cadmium	1.50	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-2	Cadmium	BDL	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-3	Cadmium	1.80	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-1	Cadmium	46.00	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-3	Cadmium	35.00	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	063000BMST229-1	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	063000BMST229-2	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-1	Cadmium	2.80	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-2	Cadmium	2.20	1.00	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-3	Cadmium	1.90	1.00	mg/kg[2]
Benthic Macroinvertebrate	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	052000BMTP044	Cadmium	QNS	1.00	mg/kg[2]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Chromium	0.98	0.04	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Chromium	1.80	0.16	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Chromium	0.42	0.06	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Chromium	BDL	1.20	mg/kg[1]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Copper	1.80	0.04	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Copper	4.10	0.15	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Copper	2.00	0.05	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Copper	7.10	3.80	mg/kg[1]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Nickel	0.60	0.03	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Nickel	0.94	0.11	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Nickel	0.28	0.04	mg/kg[1]

Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Nickel	4.20	2.80	mg/kg[1]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Selenium	1.20	0.05	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Selenium	2.40	0.18	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Selenium	1.20	0.06	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Selenium	29.50	4.60	mg/kg[1]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	102299BMST019-123	Selenium	5.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST021	Blackfoot River, downstream of Trail Creek	IMP	102399BMST021-1+2	Selenium	2.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	102399BMST023-123	Selenium	5.80	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-1	Selenium	3.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-1+3	Selenium	6.20	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-4	Selenium	3.70	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-5	Selenium	1.80	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-6	Selenium	2.80	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-10	Selenium	2.20	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-11	Selenium	2.80	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-12	Selenium	1.10	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-13	Selenium	2.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-14	Selenium	3.30	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	102399BMST026-15	Selenium	2.60	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	102499BMST029-123	Selenium	2.70	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	102199BMST127-123	Selenium	4.50	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Unit III	IMP	102199BMST129-123	Selenium	6.20	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST130	sediment pond	IMP	102299BMST130-123	Selenium	12.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	102499BMST145-123	Selenium	15.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	102199BMST227-123	Selenium	72.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	102499BMST229-123	Selenium	4.60	0.47	mg/kg[2]
Benthic Macroinvertebrate	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	0999BMRV/TP004	Selenium	68.00	0.47	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-1	Selenium	20.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-2	Selenium	3.60	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST019	Blackfoot River, downstream of Ballard Creek	IMP	070100BMST019-3	Selenium	12.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST021	Blackfoot River, downstream of Trail Creek	IMP	070100BMST021-2	Selenium	4.60	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-1	Selenium	4.30	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-2	Selenium	6.70	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	062900BMST023-3	Selenium	3.20	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-1	Selenium	3.30	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-2	Selenium	4.90	0.40	mg/kg[2]

Benthic Macroinvertebrate	ST026	Blackfoot River, downstream of the Narrows	IMP	063000BMST026-3	Selenium	8.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-1	Selenium	1.10	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-2	Selenium	0.92	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST029	Blackfoot River, upstream of Spring Creek	IMP	063000BMST029-3	Selenium	1.10	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-1	Selenium	6.20	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-2	Selenium	6.50	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST127	Angus Creek, downstream of No Name Creek	IMP	062900BMST127-3	Selenium	4.30	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-1	Selenium	9.60	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-2	Selenium	1.40	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	062900BMST129-3	Selenium	37.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-1	Selenium	12.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-2	Selenium	20.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST130	Reservoir	IMP	062900BMST130-3	Selenium	22.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-1	Selenium	22.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-2	Selenium	2.80	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST145	Spring Creek, downstream of East Mill Creek	IMP	063000BMST145-3	Selenium	4.30	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-1	Selenium	120.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-2	Selenium	170.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST227	East Mill Creek	IMP	062800BMST227-3	Selenium	100.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	063000BMST229-1	Selenium	6.30	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST229	Blackfoot River, downstream of Spring Creek	IMP	063000BMST229-2	Selenium	3.80	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-1	Selenium	6.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-2	Selenium	5.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	063000BMST232-3	Selenium	2.90	0.40	mg/kg[2]
Benthic Macroinvertebrate	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	052000BMTP044	Selenium	83.00	0.40	mg/kg[2]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Vanadium	0.99	0.04	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Vanadium	1.60	0.14	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Vanadium	0.54	0.05	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Vanadium	BDL	3.60	mg/kg[1]
Benthic Macroinvertebrate	SCBETT046	Spring Creek below East Mill Creek	IMP	BT-SCBETT046	Zinc	13.60	0.03	mg/kg[1]
Benthic Macroinvertebrate	EMCTT043	East Mill Creek	IMP	EMCTT043BENTHIC	Zinc	51.50	0.11	mg/kg[1]
Benthic Macroinvertebrate	LSCTT040	Lower Sage Creek	IMP	LOWER SAGE CREEK 1	Zinc	39.10	0.04	mg/kg[1]
Benthic Macroinvertebrate	MCTT044	Maybe Creek	IMP	MAYBE CREEK	Zinc	122.00	2.80	mg/kg[1]

[1]

[2] Results are on dry weight basis

BDL = Below Detection Limits

A-5 Background Fish Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Cadmium	0.16	0.02	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Cadmium	0.06	0.03	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Cadmium	0.06	0.02	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Cadmium	0.23	0.02	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FFRV003-1	Cadmium	0.44	NA	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FFRV003-1-C5	Cadmium	0.10	NA	mg/kg
Forage Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FFRV005-1-C5	Cadmium	0.46	NA	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FFST148-0-C3	Cadmium	0.30	NA	mg/kg
Forage Fish Tissue	ST236	Timber Creek	BG	091399FFST236-1-C6	Cadmium	0.80	NA	mg/kg
Forage Fish Tissue	ST237	Stewart Creek	BG	091399FFST237-0-C3	Cadmium	4.50	NA	mg/kg
Forage Fish Tissue	ST237	Stewart Creek	BG	091399FFST237-0-C6	Cadmium	0.48	NA	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	051700FFRV003-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	051800FFRV004	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	051800FFRV005	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV006	Blackfoot Reservoir, Upper Segment	BG	052000FFRV006	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV007-1	Blackfoot Reservoir, Upper Segment	BG	052000FFRV007-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV007-2	Blackfoot Reservoir, Upper Segment	BG	052000FFRV007-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV008	Blackfoot Reservoir, Upper Segment	BG	052000FFRV008	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV009	Blackfoot Reservoir, Upper Segment	BG	052000FFRV009	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	RV010	Blackfoot Reservoir, Upper Segment	BG	052000FFRV010	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-3	Cadmium	BDL	0.50	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-1	Cadmium	0.17	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-3	Cadmium	0.08	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-4	Cadmium	0.07	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-1	Cadmium	0.22	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-2	Cadmium	0.20	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-3	Cadmium	0.15	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-4	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-5	Cadmium	0.14	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-6	Cadmium	0.13	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-1	Cadmium	0.23	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-2	Cadmium	0.30	NA	mg/kg

Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-3	Cadmium	0.30	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-4	Cadmium	0.41	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-5	Cadmium	0.30	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-6	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-7	Cadmium	ND	NA	mg/kg
Salmonid Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	090999FIRV004-1	Cadmium	0.11	NA	mg/kg
Salmonid Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	090999FIRV004-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FIRV005-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FIRV005-2	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-2	Cadmium	ND	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-1	Cadmium	0.55	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-3	Cadmium	0.27	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-4	Cadmium	0.50	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-5	Cadmium	0.50	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-6	Cadmium	0.34	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-1	Cadmium	0.28	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-2	Cadmium	0.50	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-3	Cadmium	0.40	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-4	Cadmium	0.15	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-5	Cadmium	0.23	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-6	Cadmium	0.44	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	051700FIRV003-1	Cadmium	ND	0.50	mg/kg
Salmonid Fish Tissue	RV008	Blackfoot Reservoir, Upper Segment	BG	052000FIRV008	Cadmium	ND	0.50	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FIST148-1	Cadmium	BDL	0.50	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FIST148-2	Cadmium	BDL	0.50	mg/kg
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Chromium	1.80	0.16	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Chromium	1.20	0.19	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Chromium	2.20	0.16	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Chromium	1.20	0.17	mg/kg
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Copper	2.20	0.72	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Copper	4.60	0.85	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Copper	2.70	0.71	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Copper	5.30	0.74	mg/kg

fish	KCTT042	Kendall Creek	BG	FTKCTT042	Nickel	0.57	0.11	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Nickel	BDL	0.13	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Nickel	0.43	0.11	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Nickel	0.37	0.11	mg/kg
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Selenium	4.50	0.18	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Selenium	17.80	0.21	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Selenium	6.30	0.17	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Selenium	4.60	0.18	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FFRV003-1	Selenium	2.10	NA	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FFRV003-1-C5	Selenium	4.70	NA	mg/kg
Forage Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FFRV005-1-C5	Selenium	3.00	NA	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FFST148-0-C3	Selenium	7.50	NA	mg/kg
Forage Fish Tissue	ST236	Timber Creek	BG	091399FFST236-1-C6	Selenium	5.40	NA	mg/kg
Forage Fish Tissue	ST237	Stewart Creek	BG	091399FFST237-0-C3	Selenium	10.00	NA	mg/kg
Forage Fish Tissue	ST237	Stewart Creek	BG	091399FFST237-0-C6	Selenium	5.20	NA	mg/kg
Forage Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	051700FFRV003-1	Selenium	4.40	0.10	mg/kg
Forage Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	051800FFRV004	Selenium	4.30	0.10	mg/kg
Forage Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	051800FFRV005	Selenium	3.20	0.10	mg/kg
Forage Fish Tissue	RV006	Blackfoot Reservoir, Upper Segment	BG	052000FFRV006	Selenium	3.70	0.10	mg/kg
Forage Fish Tissue	RV007-1	Blackfoot Reservoir, Upper Segment	BG	052000FFRV007-1	Selenium	1.60	0.10	mg/kg
Forage Fish Tissue	RV007-2	Blackfoot Reservoir, Upper Segment	BG	052000FFRV007-2	Selenium	2.40	0.10	mg/kg
Forage Fish Tissue	RV008	Blackfoot Reservoir, Upper Segment	BG	052000FFRV008	Selenium	5.40	0.10	mg/kg
Forage Fish Tissue	RV009	Blackfoot Reservoir, Upper Segment	BG	052000FFRV009	Selenium	4.00	0.10	mg/kg
Forage Fish Tissue	RV010	Blackfoot Reservoir, Upper Segment	BG	052000FFRV010	Selenium	2.70	0.10	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-1	Selenium	22.00	0.10	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-2	Selenium	10.00	0.10	mg/kg
Forage Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FFST148-3	Selenium	12.00	0.10	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-1	Selenium	2.70	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-2	Selenium	0.76	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-3	Selenium	0.85	NA	mg/kg
Salmonid Fish Tissue	RV001	Blackfoot Reservoir, Upper Segment	BG	090999FIRV001-4	Selenium	0.52	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-1	Selenium	3.04	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-2	Selenium	2.11	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-3	Selenium	3.00	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-4	Selenium	2.90	NA	mg/kg
Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-5	Selenium	2.70	NA	mg/kg

Salmonid Fish Tissue	RV002	Blackfoot Reservoir, Upper Segment	BG	090999FIRV002-6	Selenium	2.30	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-1	Selenium	2.90	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-2	Selenium	2.50	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-3	Selenium	1.80	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-4	Selenium	2.70	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-5	Selenium	2.20	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-6	Selenium	1.40	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	090999FIRV003-7	Selenium	0.73	NA	mg/kg
Salmonid Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	090999FIRV004-1	Selenium	1.97	NA	mg/kg
Salmonid Fish Tissue	RV004	Blackfoot Reservoir, Upper Segment	BG	090999FIRV004-2	Selenium	2.47	NA	mg/kg
Salmonid Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FIRV005-1	Selenium	3.41	NA	mg/kg
Salmonid Fish Tissue	RV005	Blackfoot Reservoir, Upper Segment	BG	090999FIRV005-2	Selenium	2.80	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-1	Selenium	0.80	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-2	Selenium	0.60	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	091499FIST148-3	Selenium	2.00	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-1	Selenium	3.00	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-2	Selenium	0.90	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-3	Selenium	3.40	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-4	Selenium	5.00	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-5	Selenium	3.00	NA	mg/kg
Salmonid Fish Tissue	ST236	Timber Creek	BG	091399FIST236-6	Selenium	2.40	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-1	Selenium	3.50	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-2	Selenium	3.70	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-3	Selenium	3.80	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-4	Selenium	5.80	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-5	Selenium	3.00	NA	mg/kg
Salmonid Fish Tissue	ST237	Stewart Creek	BG	091399FIST237-6	Selenium	3.80	NA	mg/kg
Salmonid Fish Tissue	RV003	Blackfoot Reservoir, Upper Segment	BG	051700FIRV003-1	Selenium	1.60	NA	mg/kg
Salmonid Fish Tissue	RV008	Blackfoot Reservoir, Upper Segment	BG	052000FIRV008	Selenium	2.90	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FIST148-1	Selenium	4.80	NA	mg/kg
Salmonid Fish Tissue	ST148	Spring Creek, upstream of East Mill Creek	BG	051100FIST148-2	Selenium	4.40	NA	mg/kg
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Vanadium	BDL	0.43	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Vanadium	BDL	0.51	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Vanadium	BDL	0.42	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Vanadium	BDL	0.44	mg/kg
fish	KCTT042	Kendall Creek	BG	FTKCTT042	Zinc	71.20	0.15	mg/kg

fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT045	Zinc	72.90	0.18	mg/kg
fish	SCAETT047	Spring Creek above East Mill Creek	BG	FTSCAETT047	Zinc	81.40	0.15	mg/kg
fish	USCTT041	Upper Sage Creek	BG	FTUSCTT041-01	Zinc	75.20	0.16	mg/kg

Notes: [1] All units reported on a dry weight basis

BDL = Below Detection Limits

NA = Not Available

QNS = Quantity Not Sufficient for Analysis

A-6 Impacted Fish Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Cadmium	1.50	0.03	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Cadmium	0.07	0.02	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Cadmium	0.23	0.03	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Cadmium	0.19	0.03	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FFST019-0-C3	Cadmium	0.50	NA	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FFST021-0-C3	Cadmium	0.22	NA	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FFST023-0-C3	Cadmium	0.28	NA	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FFST026-1	Cadmium	0.24	NA	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	091299FFST127-0-C3	Cadmium	0.50	NA	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FFST129-1-C3	Cadmium	0.55	NA	mg/kg
Forage Fish Tissue	ST130	Sediment pond	IMP	091499FFST029-0-C	Cadmium	0.54	NA	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FFST145-1	Cadmium	0.62	NA	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FFST229-0-C6	Cadmium	0.30	NA	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FFST232-0-C3	Cadmium	0.60	NA	mg/kg
Forage Fish Tissue	TP004	Smoky Canyon Mine Tailings Pond #1	IMP	091699FFTP004-0-C3	Cadmium	34.20	NA	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-3	Cadmium	0.68	0.50	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-3	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-3	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-3	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-1	Cadmium	1.00	0.50	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-3	Cadmium	1.50	0.50	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-3	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-1	Cadmium	1.10	0.50	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-2	Cadmium	BDL	0.50	mg/kg

Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-3	Cadmium	7.20	0.50	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-2	Cadmium	1.30	0.50	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-3	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-2	Cadmium	4.60	0.50	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-3	Cadmium	2.40	0.50	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-2	Cadmium	QNS	0.50	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-3	Cadmium	QNS	0.50	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-1	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-2	Cadmium	BDL	0.50	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-3	Cadmium	BDL	0.50	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-0	Cadmium	0.14	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-1	Cadmium	0.39	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-2	Cadmium	0.15	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-1	Cadmium	0.06	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-2	Cadmium	0.18	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-3	Cadmium	0.06	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-1	Cadmium	0.08	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-3	Cadmium	0.30	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-4	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-5	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-6	Cadmium	0.25	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-1	Cadmium	0.47	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-2	Cadmium	0.20	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-3	Cadmium	0.36	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-1	Cadmium	0.70	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-2	Cadmium	0.20	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-3	Cadmium	0.11	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-1	Cadmium	0.19	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-2	Cadmium	0.24	NA	mg/kg

Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-3	Cadmium	0.20	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-1	Cadmium	0.61	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-2	Cadmium	0.37	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-3	Cadmium	0.85	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-1	Cadmium	0.36	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-2	Cadmium	0.28	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-4	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-5	Cadmium	0.42	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-1	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-2	Cadmium	0.13	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-3	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-3	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-2	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-2	Cadmium	0.16	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-3	Cadmium	0.13	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-2	Cadmium	0.18	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	050900FIST227-1	Cadmium	0.37	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-2	Cadmium	0.12	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-3	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-1	Cadmium	BDL	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-2	Cadmium	BDL	NA	mg/kg

Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-3	Cadmium	BDL	NA	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Chromium	2.2	0.18	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Chromium	2.2	0.17	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Chromium	3.1	0.22	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Chromium	3.6	0.18	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Copper	7.7	0.81	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Copper	4	0.74	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Copper	6	1.00	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Copper	5.4	0.83	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Nickel	0.73	0.12	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Nickel	0.59	0.11	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Nickel	0.92	0.15	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Nickel	1.2	0.12	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Selenium	33	0.20	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Selenium	11.8	0.18	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Selenium	27	0.25	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Selenium	19.3	0.20	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FFST019-0-C3	Selenium	10	NA	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FFST021-0-C3	Selenium	8.1	NA	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FFST023-0-C3	Selenium	6.9	NA	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FFST026-1	Selenium	8.3	NA	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	091299FFST127-0-C3	Selenium	5.4	NA	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FFST129-1-C3	Selenium	3.4	NA	mg/kg
Forage Fish Tissue	ST130	Sediment pond	IMP	091499FFST029-0-C	Selenium	7.1	NA	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FFST145-1	Selenium	12.9	NA	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FFST229-0-C6	Selenium	4.7	NA	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FFST232-0-C3	Selenium	5.9	NA	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-3	Selenium	6.2	0.10	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-2	Selenium	10	0.10	mg/kg
Forage Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FFST019-1	Selenium	5.1	0.10	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-1	Selenium	9.4	0.10	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-2	Selenium	10	0.10	mg/kg
Forage Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FFST021-3	Selenium	13	0.10	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-1	Selenium	5.5	0.10	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-2	Selenium	14	0.10	mg/kg
Forage Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051200FFST023-3	Selenium	11	0.10	mg/kg

Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-1	Selenium	11	0.10	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-2	Selenium	6.5	0.10	mg/kg
Forage Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051200FFST026-3	Selenium	11	0.10	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-1	Selenium	5.0	0.10	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-2	Selenium	9	0.10	mg/kg
Forage Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051000FFST029-3	Selenium	7.8	0.10	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-1	Selenium	5.9	0.10	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-2	Selenium	2.7	0.10	mg/kg
Forage Fish Tissue	ST127	Angus Creek, downstream of No Name Creek	IMP	050900FFST127-3	Selenium	2.4	0.10	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-1	Selenium	7.4	0.10	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-2	Selenium	4.2	0.10	mg/kg
Forage Fish Tissue	ST129	Angus Creek, downstream of Wooley Valley Mine	IMP	050900FFS129-3	Selenium	37	0.10	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-1	Selenium	9.4	0.10	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-2	Selenium	12	0.10	mg/kg
Forage Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FFST145-3	Selenium	8.9	0.10	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-1	Selenium	4.1	0.10	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-2	Selenium	34	0.10	mg/kg
Forage Fish Tissue	ST227	East Mill Creek	IMP	050900FFST227-3	Selenium	1.4	0.10	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-1	Selenium	4.7	0.10	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-2	Selenium	QNS	0.10	mg/kg
Forage Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FFST229-3	Selenium	QNS	0.10	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-1	Selenium	2.1	0.10	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-2	Selenium	1.5	0.10	mg/kg
Forage Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FFST232-3	Selenium	8.7	0.10	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-0	Selenium	0.77	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-1	Selenium	0.83	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	091299FIST019-2	Selenium	1.0	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-1	Selenium	2.24	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-2	Selenium	5.0	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	091699FIST021-3	Selenium	3.7	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-1	Selenium	2.6	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-2	Selenium	0.78	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	091599FIST023-3	Selenium	0.36	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-1	Selenium	2.1	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-2	Selenium	10.8	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-3	Selenium	9.5	NA	mg/kg

Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-4	Selenium	5	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-5	Selenium	3.8	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	091599FIST026-6	Selenium	4.6	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-1	Selenium	5.5	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-2	Selenium	4.2	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	091499FIST029-3	Selenium	3.3	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-1	Selenium	1.8	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-2	Selenium	0.8	NA	mg/kg
Salmonid Fish Tissue	ST129	Angus Creek, downstream of Unit III	IMP	091299FIST129-3	Selenium	1.04	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-1	Selenium	1.64	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-2	Selenium	4.4	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	091499FIST145-3	Selenium	1.5	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-1	Selenium	7.4	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-2	Selenium	18.6	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	091399FIST227-3	Selenium	16	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-1	Selenium	2.4	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-2	Selenium	0.95	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-3	Selenium	9	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-4	Selenium	5	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	091499FIST229-5	Selenium	1.71	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-1	Selenium	4.2	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-2	Selenium	1.3	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	091699FIST232-3	Selenium	7	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-1	Selenium	5.9	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-2	Selenium	10.5	NA	mg/kg
Salmonid Fish Tissue	ST019	Blackfoot River, downstream of Ballard Creek	IMP	051300FIST019-3	Selenium	10.5	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-1	Selenium	5.2	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-2	Selenium	7.1	NA	mg/kg
Salmonid Fish Tissue	ST021	Blackfoot River, downstream of Trail Creek	IMP	051300FIST021-3	Selenium	3.5	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-1	Selenium	2.6	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-2	Selenium	5.5	NA	mg/kg
Salmonid Fish Tissue	ST023	Blackfoot River, downstream of Dry Valley Creek	IMP	051400FIST023-3	Selenium	7.6	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-1	Selenium	10	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-2	Selenium	9	NA	mg/kg
Salmonid Fish Tissue	ST026	Blackfoot River, downstream of the Narrows	IMP	051400FIST026-3	Selenium	10	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-1	Selenium	3.1	NA	mg/kg

Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-2	Selenium	10.9	NA	mg/kg
Salmonid Fish Tissue	ST029	Blackfoot River, upstream of Spring Creek	IMP	051400FIST029-3	Selenium	4.7	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-1	Selenium	3.2	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-2	Selenium	2.8	NA	mg/kg
Salmonid Fish Tissue	ST145	Spring Creek, downstream of East Mill Creek	IMP	051000FIST145-3	Selenium	2.5	NA	mg/kg
Salmonid Fish Tissue	ST227	East Mill Creek	IMP	050900FIST227-1	Selenium	28.7	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-1	Selenium	2.7	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-2	Selenium	8.6	NA	mg/kg
Salmonid Fish Tissue	ST229	Blackfoot River, downstream of Spring Creek	IMP	051400FIST229-3	Selenium	3.8	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-1	Selenium	3.8	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-2	Selenium	3.1	NA	mg/kg
Salmonid Fish Tissue	ST232	Blackfoot River, upstream of Blackfoot Reservoir	IMP	051400FIST232-3	Selenium	7.3	NA	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Vanadium	BDL	0.48	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Vanadium	BDL	0.44	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Vanadium	BDL	0.60	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Vanadium	BDL	0.49	mg/kg
fish	EMCTT043	East Mill Creek	IMP	FTEMCTT043-01	Zinc	87.9	0.17	mg/kg
fish	LSCTT040	Lower Sage Creek	IMP	FTLSCTT040-01	Zinc	89.5	0.16	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-01	Zinc	124	0.21	mg/kg
fish	SCBETT046	Spring Creek below East Mill Creek	IMP	FTSCBETT046-02	Zinc	124	0.18	mg/kg

[1] All units presented on a dry weight basis

BDL = Below detection limit

NA = Not available

QNS = Quantity not sufficient for analysis

A-7 Background Surface Water (Stream)

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS
surface water	KCTT042	Kendall Creek	BG	KCTT042	Cadmium	BDL	0.10	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Cadmium	BDL	0.10	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Cadmium	0.65	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Cadmium	BDL	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Cadmium	BDL	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Cadmium	0.16	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Cadmium	BDL	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Cadmium	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Cadmium	0.24	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Cadmium	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Cadmium	BDL	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Cadmium	BDL	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Cadmium	BDL	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Cadmium	BDL	0.13	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Cadmium	0.31	0.13	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Cadmium	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Cadmium	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Cadmium	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Cadmium	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Cadmium	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Cadmium	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Cadmium	BDL	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Cadmium	0.13	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Cadmium	BDL	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Cadmium	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Cadmium	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Cadmium	0.49	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Cadmium	BDL	0.13	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Cadmium	BDL	0.20	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Chromium	BDL	0.10	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Chromium	0.40	0.10	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Chromium	3.60	0.50	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Chromium	BDL	0.50	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Chromium	BDL	0.50	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Chromium	BDL	0.50	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Chromium	0.56	0.50	ug/L

surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Chromium	BDL	0.50	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Chromium	BDL	0.50	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Chromium	BDL	0.50	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Chromium	BDL	0.50	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Chromium	BDL	0.50	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Chromium	BDL	0.50	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Chromium	BDL	0.50	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Chromium	5.80	0.50	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Chromium	1.30	0.50	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Chromium	BDL	0.50	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Chromium	BDL	0.50	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Chromium	BDL	0.50	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Chromium	0.57	0.50	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Chromium	BDL	0.50	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Chromium	BDL	0.50	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Chromium	BDL	0.50	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Chromium	BDL	0.50	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Chromium	BDL	0.50	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Chromium	BDL	0.50	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Chromium	BDL	0.50	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Chromium	BDL	0.50	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Chromium	BDL	0.20	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Copper	BDL	0.50	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Copper	BDL	0.50	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Copper	2.70	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Copper	BDL	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Copper	0.74	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Copper	1.20	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Copper	BDL	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Copper	3.30	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Copper	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Copper	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Copper	BDL	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Copper	0.21	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Copper	BDL	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Copper	BDL	0.13	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Copper	1.20	0.13	ug/L

surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Copper	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Copper	0.25	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Copper	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Copper	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Copper	0.82	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Copper	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Copper	BDL	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Copper	0.26	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Copper	BDL	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Copper	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Copper	0.22	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Copper	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Copper	BDL	0.13	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Copper	BDL	1.00	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Nickel	0.90	0.20	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Nickel	0.80	0.20	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Nickel	4.00	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Nickel	BDL	0.13	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Nickel	2.00	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Nickel	1.50	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Nickel	0.40	0.13	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Nickel	1.00	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Nickel	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Nickel	BDL	0.13	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Nickel	1.20	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Nickel	2.20	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Nickel	1.90	0.13	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Nickel	0.90	0.13	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Nickel	1.40	0.13	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Nickel	2.40	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Nickel	0.32	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Nickel	BDL	0.13	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Nickel	0.91	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Nickel	2.80	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Nickel	BDL	0.13	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Nickel	1.30	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Nickel	BDL	0.13	ug/L

surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Nickel	BDL	0.13	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Nickel	1.40	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Nickel	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Nickel	BDL	0.13	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Nickel	1.40	0.13	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Nickel	1.00	0.40	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Selenium	BDL	1.00	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Selenium	BDL	1.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Selenium	BDL	1.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Selenium	BDL	1.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Selenium	1.40	1.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Selenium	BDL	1.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Selenium	BDL	1.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Selenium	1.10	1.00	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Selenium	BDL	1.00	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Selenium	BDL	1.00	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Selenium	1.60	1.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Selenium	BDL	1.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Selenium	BDL	1.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Selenium	BDL	1.00	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Selenium	BDL	1.00	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Selenium	BDL	1.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Selenium	BDL	1.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Selenium	BDL	1.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Selenium	BDL	1.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Selenium	BDL	1.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Selenium	BDL	1.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Selenium	BDL	1.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Selenium	BDL	1.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Selenium	BDL	1.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Selenium	BDL	1.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Selenium	BDL	1.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Selenium	BDL	1.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Selenium	BDL	1.00	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Selenium	BDL	1.00	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Vanadium	BDL	0.05	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Vanadium	0.47	0.05	ug/L

surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Vanadium	8.10	0.25	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Vanadium	BDL	0.25	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Vanadium	2.20	0.25	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Vanadium	2.30	0.25	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Vanadium	1.00	0.25	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Vanadium	BDL	0.25	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Vanadium	1.30	0.25	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Vanadium	BDL	0.25	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Vanadium	BDL	0.25	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Vanadium	2.40	0.25	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Vanadium	1.00	0.25	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Vanadium	BDL	0.25	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Vanadium	4.00	0.25	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Vanadium	0.87	0.25	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Vanadium	1.10	0.25	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Vanadium	BDL	0.25	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Vanadium	BDL	0.25	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Vanadium	1.40	0.25	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Vanadium	BDL	0.25	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Vanadium	1.90	0.25	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Vanadium	3.00	0.25	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Vanadium	BDL	0.25	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Vanadium	BDL	0.25	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Vanadium	BDL	0.25	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Vanadium	BDL	0.25	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Vanadium	BDL	0.25	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Vanadium	BDL	0.10	ug/L
surface water	KCTT042	Kendall Creek	BG	KCTT042	Zinc	20.00	10.00	ug/L
surface water	SCAETT047	Spring Creek above East Mill Creek	BG	SCAETT047-01	Zinc	20.00	10.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-101	Zinc	54.00	10.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-102	Zinc	14.00	10.00	ug/L
surface water	CALTT004	Caldwell Creek	BG	SW-CALTT004-103	Zinc	32.00	10.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-101	Zinc	BDL	10.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-102	Zinc	11.00	10.00	ug/L
surface water	CCATT029	Crow Creek above Deer Creek	BG	SW-CCATT029-103	Zinc	14.00	10.00	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-101	Zinc	12.00	10.00	ug/L
surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-102	Zinc	BDL	10.00	ug/L

surface water	DIATT018	Diamond Creek at USFS boundary	BG	SW-DIATT018-103	Zinc	BDL	10.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-101	Zinc	BDL	10.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-102	Zinc	BDL	10.00	ug/L
surface water	MCATT030	Montpelier Creek above mining	BG	SW-MCATT030-103	Zinc	11.00	10.00	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-101	Zinc	17.00	10.00	ug/L
surface water	NNATT013	No Name Creek above mining	BG	SW-NNATT013-102	Zinc	BDL	10.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-101	Zinc	59.00	10.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-102	Zinc	BDL	10.00	ug/L
surface water	SCATT024	Sage Creek above mining	BG	SW-SCATT024-103	Zinc	10.00	10.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-101	Zinc	53.00	10.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-102	Zinc	BDL	10.00	ug/L
surface water	SHETT019	Sheep Creek	BG	SW-SHETT019-103	Zinc	BDL	10.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-101	Zinc	11.00	10.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-102	Zinc	BDL	10.00	ug/L
surface water	SLUTT005	Slug Creek at USFS boundary	BG	SW-SLUTT005-103	Zinc	BDL	10.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-101	Zinc	BDL	10.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-102	Zinc	BDL	10.00	ug/L
surface water	SMATT021	Smoky Creek above mining	BG	SW-SMATT021-103	Zinc	10.00	10.00	ug/L
surface water	USCTT041	Upper Sage Creek	BG	USCTT041	Zinc	20.00	10.00	ug/L

BDL = Below detection limit

A-8 Impacted Surface Water (Stream)

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Cadmium	0.70	0.10	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Cadmium	BDL	0.10	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Cadmium	BDL	0.10	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Cadmium	1.80	0.20	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Cadmium	BDL	0.10	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Cadmium	BDL	0.13	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Cadmium	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Cadmium	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Cadmium	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Cadmium	BDL	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Cadmium	BDL	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Cadmium	BDL	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Cadmium	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Cadmium	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Cadmium	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Cadmium	BDL	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Cadmium	BDL	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Cadmium	BDL	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Cadmium	BDL	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Cadmium	2.30	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Cadmium	BDL	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Cadmium	BDL	0.13	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Cadmium	0.32	0.13	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Cadmium	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Cadmium	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Cadmium	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Cadmium	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Cadmium	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Cadmium	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Cadmium	BDL	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Cadmium	0.17	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Cadmium	BDL	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Cadmium	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Cadmium	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Cadmium	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Cadmium	BDL	0.13	ug/L

surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Cadmium	0.20	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Cadmium	BDL	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Cadmium	BDL	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Cadmium	0.14	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Cadmium	0.23	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Cadmium	0.25	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Cadmium	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Cadmium	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Cadmium	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Cadmium	BDL	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Cadmium	BDL	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Cadmium	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Cadmium	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Cadmium	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Cadmium	0.35	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Cadmium	0.27	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Cadmium	BDL	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Cadmium	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Cadmium	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Cadmium	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Cadmium	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Cadmium	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Cadmium	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Cadmium	0.36	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Cadmium	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Cadmium	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Cadmium	BDL	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Cadmium	BDL	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Cadmium	BDL	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Cadmium	BDL	0.13	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Chromium	4.60	0.10	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Chromium	0.30	0.10	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Chromium	0.20	0.10	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Chromium	0.90	0.20	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Chromium	BDL	0.10	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Chromium	BDL	0.50	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Chromium	BDL	0.50	ug/L

surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Chromium	BDL	0.50	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Chromium	0.59	0.50	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Chromium	BDL	0.50	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Chromium	BDL	0.50	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Chromium	BDL	0.50	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Chromium	BDL	0.50	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Chromium	BDL	0.50	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Chromium	BDL	0.50	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Chromium	BDL	0.50	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Chromium	BDL	0.50	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Chromium	0.71	0.50	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Chromium	BDL	0.50	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Chromium	1.20	0.50	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Chromium	BDL	0.50	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Chromium	BDL	0.50	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Chromium	BDL	0.50	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Chromium	BDL	0.50	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Chromium	BDL	0.50	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Chromium	0.54	0.50	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Chromium	BDL	0.50	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Chromium	BDL	0.50	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Chromium	BDL	0.50	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Chromium	BDL	0.50	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Chromium	BDL	0.50	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Chromium	BDL	0.50	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Chromium	BDL	0.50	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Chromium	BDL	0.50	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Chromium	0.54	0.50	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Chromium	BDL	0.50	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Chromium	BDL	0.50	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Chromium	1.40	0.50	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Chromium	1.70	0.50	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Chromium	BDL	0.50	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Chromium	BDL	0.50	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Chromium	BDL	0.50	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Chromium	BDL	0.50	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Chromium	BDL	0.50	ug/L

surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Chromium	0.65	0.50	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Chromium	BDL	0.50	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Chromium	BDL	0.50	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Chromium	BDL	0.50	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Chromium	1.20	0.50	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Chromium	BDL	0.50	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Chromium	BDL	0.50	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Chromium	1.10	0.50	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Chromium	1.60	0.50	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Chromium	BDL	0.50	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Chromium	1.90	0.50	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Chromium	BDL	0.50	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Chromium	BDL	0.50	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Chromium	BDL	0.50	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Chromium	BDL	0.50	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Chromium	BDL	0.50	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Chromium	BDL	0.50	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Chromium	BDL	0.50	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Chromium	BDL	0.50	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Chromium	BDL	0.50	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Chromium	BDL	0.50	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Chromium	BDL	0.50	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Copper	2.30	0.50	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Copper	BDL	0.50	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Copper	BDL	0.50	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Copper	1.00	1.00	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Copper	BDL	0.50	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Copper	0.97	0.13	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Copper	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Copper	0.46	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Copper	0.26	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Copper	5.80	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Copper	0.63	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Copper	BDL	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Copper	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Copper	0.26	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Copper	0.34	0.13	ug/L

surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Copper	BDL	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Copper	0.68	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Copper	1.30	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Copper	BDL	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Copper	0.74	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Copper	BDL	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Copper	BDL	0.13	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Copper	1.10	0.13	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Copper	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Copper	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Copper	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Copper	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Copper	0.92	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Copper	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Copper	0.60	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Copper	1.70	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Copper	BDL	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Copper	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Copper	0.32	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Copper	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Copper	BDL	0.13	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Copper	1.50	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Copper	0.77	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Copper	2.30	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Copper	0.23	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Copper	1.40	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Copper	BDL	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Copper	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Copper	0.47	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Copper	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Copper	BDL	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Copper	BDL	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Copper	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Copper	0.90	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Copper	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Copper	0.66	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Copper	1.20	0.13	ug/L

surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Copper	0.42	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Copper	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Copper	15.00	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Copper	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Copper	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Copper	0.26	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Copper	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Copper	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Copper	0.37	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Copper	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Copper	BDL	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Copper	1.10	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Copper	BDL	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Copper	0.15	0.13	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Nickel	5.40	0.20	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Nickel	1.20	0.20	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Nickel	1.20	0.20	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Nickel	28.50	0.40	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Nickel	1.10	0.20	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Nickel	0.99	0.13	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Nickel	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Nickel	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Nickel	BDL	0.13	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Nickel	43.00	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Nickel	1.70	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Nickel	BDL	0.13	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Nickel	1.10	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Nickel	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Nickel	BDL	0.13	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Nickel	1.10	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Nickel	0.41	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Nickel	0.42	0.13	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Nickel	0.91	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Nickel	1.30	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Nickel	BDL	0.13	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Nickel	1.30	0.13	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Nickel	9.00	0.13	ug/L

surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Nickel	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Nickel	BDL	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Nickel	0.80	0.13	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Nickel	1.50	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Nickel	1.50	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Nickel	BDL	0.13	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Nickel	4.40	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Nickel	1.40	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Nickel	2.00	0.13	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Nickel	1.50	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Nickel	BDL	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Nickel	0.38	0.13	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Nickel	1.20	0.13	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Nickel	1.60	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Nickel	1.30	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Nickel	1.50	0.13	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Nickel	1.90	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Nickel	1.10	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Nickel	BDL	0.13	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Nickel	1.40	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Nickel	0.44	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Nickel	BDL	0.13	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Nickel	0.77	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Nickel	3.80	0.13	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Nickel	0.84	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Nickel	1.60	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Nickel	BDL	0.13	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Nickel	2.50	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Nickel	0.89	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Nickel	2.30	0.13	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Nickel	1.20	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Nickel	1.20	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Nickel	BDL	0.13	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Nickel	1.10	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Nickel	0.51	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Nickel	BDL	0.13	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Nickel	0.78	0.13	ug/L

surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Nickel	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Nickel	BDL	0.13	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Nickel	1.40	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Nickel	2.50	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Nickel	1.90	0.13	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Nickel	BDL	0.13	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Selenium	38.00	1.00	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Selenium	36.00	1.00	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Selenium	4.00	1.00	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Selenium	1140.00	50.00	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Selenium	3.00	1.00	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Selenium	BDL	1.00	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Selenium	BDL	1.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Selenium	2.10	1.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Selenium	1.60	1.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Selenium	1.70	1.00	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Selenium	1.60	1.00	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Selenium	1.30	1.00	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Selenium	1.00	1.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Selenium	2.50	1.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Selenium	1.70	1.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Selenium	1.10	1.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Selenium	1.20	1.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Selenium	BDL	1.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Selenium	1.60	1.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Selenium	130.00	1.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Selenium	91.00	1.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Selenium	22.00	1.00	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Selenium	3.20	1.00	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Selenium	BDL	1.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Selenium	1.90	1.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Selenium	1.50	1.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Selenium	2.00	1.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Selenium	BDL	1.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Selenium	BDL	1.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Selenium	2.10	1.00	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Selenium	BDL	1.00	ug/L

surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Selenium	BDL	1.00	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Selenium	BDL	1.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Selenium	1.30	1.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Selenium	BDL	1.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Selenium	3.30	1.00	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Selenium	1.70	1.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Selenium	BDL	1.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Selenium	BDL	1.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Selenium	BDL	1.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Selenium	BDL	1.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Selenium	BDL	1.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Selenium	BDL	1.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Selenium	3.20	1.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Selenium	2.30	1.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Selenium	5.10	1.00	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Selenium	BDL	1.00	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Selenium	1.20	1.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Selenium	2.50	1.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Selenium	1.30	1.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Selenium	2.20	1.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Selenium	BDL	1.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Selenium	BDL	1.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Selenium	BDL	1.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Selenium	13.00	1.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Selenium	5.70	1.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Selenium	1.00	1.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Selenium	BDL	1.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Selenium	1.20	1.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Selenium	2.20	1.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Selenium	BDL	1.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Selenium	BDL	1.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Selenium	BDL	1.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Selenium	1.30	1.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Selenium	1.40	1.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Selenium	BDL	1.00	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Vanadium	4.76	0.05	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Vanadium	0.72	0.05	ug/L

surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Vanadium	1.23	0.05	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Vanadium	6.20	0.10	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Vanadium	0.62	0.05	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Vanadium	1.00	0.25	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Vanadium	BDL	0.25	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Vanadium	BDL	0.25	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Vanadium	0.97	0.25	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Vanadium	BDL	0.25	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Vanadium	1.50	0.25	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Vanadium	0.72	0.25	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Vanadium	0.30	0.25	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Vanadium	0.56	0.25	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Vanadium	0.75	0.25	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Vanadium	BDL	0.25	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Vanadium	2.90	0.25	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Vanadium	1.90	0.25	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Vanadium	1.20	0.25	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Vanadium	1.80	0.25	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Vanadium	BDL	0.25	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Vanadium	BDL	0.25	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Vanadium	1.70	0.25	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Vanadium	1.50	0.25	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Vanadium	1.00	0.25	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Vanadium	1.30	0.25	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Vanadium	0.37	0.25	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Vanadium	1.30	0.25	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Vanadium	BDL	0.25	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Vanadium	BDL	0.25	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Vanadium	2.00	0.25	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Vanadium	1.10	0.25	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Vanadium	BDL	0.25	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Vanadium	1.50	0.25	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Vanadium	1.70	0.25	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Vanadium	0.44	0.25	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Vanadium	1.40	0.25	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Vanadium	2.30	0.25	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Vanadium	2.90	0.25	ug/L

surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Vanadium	1.20	0.25	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Vanadium	0.57	0.25	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Vanadium	BDL	0.25	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Vanadium	BDL	0.25	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Vanadium	2.00	0.25	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Vanadium	0.97	0.25	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Vanadium	BDL	0.25	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Vanadium	BDL	0.25	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Vanadium	BDL	0.25	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Vanadium	3.60	0.25	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Vanadium	1.10	0.25	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Vanadium	3.20	0.25	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Vanadium	4.60	0.25	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Vanadium	2.10	0.25	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Vanadium	0.85	0.25	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Vanadium	1.10	0.25	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Vanadium	BDL	0.25	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Vanadium	BDL	0.25	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Vanadium	0.84	0.25	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Vanadium	BDL	0.25	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Vanadium	0.94	0.25	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Vanadium	1.30	0.25	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Vanadium	BDL	0.25	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Vanadium	BDL	0.25	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Vanadium	1.10	0.25	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Vanadium	BDL	0.25	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Vanadium	1.20	0.25	ug/L
surface water	EMCNTT045	East Mill Creek North (wetland area)	IMP	EMCNTT045	Zinc	50.00	10.00	ug/L
surface water	EMCTT043	East Mill Creek	IMP	EMCTT043	Zinc	20.00	10.00	ug/L
surface water	LSCTT040	Lower Sage Creek	IMP	LSCTT040	Zinc	10.00	10.00	ug/L
surface water	MCTT044	Maybe Creek	IMP	MCTT044	Zinc	90.00	10.00	ug/L
surface water	SCBETT046	Spring Creek below East Mill Creek	IMP	SCBETT046	Zinc	20.00	10.00	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-101	Zinc	63.00	10.00	ug/L
surface water	ANGTT010	Angus Creek (mouth)	IMP	SW-ANGTT010-102	Zinc	BDL	10.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-101	Zinc	12.00	10.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-102	Zinc	11.00	10.00	ug/L
surface water	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SW-BFDTT008-103	Zinc	15.00	10.00	ug/L

surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-101	Zinc	54.00	10.00	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-102	Zinc	13.00	10.00	ug/L
surface water	BFNTT009	Blackfoot River above Narrows	IMP	SW-BFNTT009-103	Zinc	BDL	10.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-101	Zinc	BDL	10.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-102	Zinc	BDL	10.00	ug/L
surface water	BFUTT015	Blackfoot River at upper bridge	IMP	SW-BFUTT015-103	Zinc	12.00	10.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-101	Zinc	11.00	10.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-102	Zinc	10.00	10.00	ug/L
surface water	DCMTT028	Deer Creek (mouth)	IMP	SW-DCMTT028-103	Zinc	12.00	10.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-101	Zinc	69.00	10.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-102	Zinc	BDL	10.00	ug/L
surface water	EMCTT017	East Mill Creek above split	IMP	SW-EMCTT017-103	Zinc	BDL	10.00	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-101	Zinc	94.00	10.00	ug/L
surface water	GHCTT006	Goodheart Creek	IMP	SW-GHCTT006-102	Zinc	BDL	10.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-101	Zinc	10.00	10.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-102	Zinc	11.00	10.00	ug/L
surface water	GTCTT032	Georgetown Creek	IMP	SW-GTCTT032-103	Zinc	13.00	10.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-101	Zinc	120.00	10.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-102	Zinc	BDL	10.00	ug/L
surface water	LBFTT001	Little Blackfoot River	IMP	SW-LBFTT001-103	Zinc	20.00	10.00	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-101	Zinc	10.00	10.00	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-102	Zinc	12.00	10.00	ug/L
surface water	MACTT011	Middle Angus Creek	IMP	SW-MACTT011-103	Zinc	10.00	10.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-101	Zinc	11.00	10.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-102	Zinc	11.00	10.00	ug/L
surface water	MCBTT031	Montpelier Creek below mining	IMP	SW-MCBTT031-103	Zinc	18.00	10.00	ug/L
surface water	NNBTT012	No Name Creek below mining	IMP	SW-NNBTT012-101	Zinc	16.00	10.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-101	Zinc	83.00	10.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-102	Zinc	19.00	10.00	ug/L
surface water	RASTT014	Rasmussen Creek above Angus Creek	IMP	SW-RASTT014-103	Zinc	15.00	10.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-101	Zinc	82.00	10.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-102	Zinc	BDL	10.00	ug/L
surface water	SCBTT025	Sage Creek below mining	IMP	SW-SCBTT025-103	Zinc	12.00	10.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-101	Zinc	54.00	10.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-102	Zinc	BDL	10.00	ug/L
surface water	SCMTT026	Sage Creek (mouth)	IMP	SW-SCMTT026-103	Zinc	13.00	10.00	ug/L
surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-102	Zinc	BDL	10.00	ug/L

surface water	SCPTT027	Sage Creek below Pole Creek	IMP	SW-SCPTT027-103	Zinc	BDL	10.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-101	Zinc	68.00	10.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-102	Zinc	BDL	10.00	ug/L
surface water	SLCTT002	Stateland Creek	IMP	SW-SLCTT002-103	Zinc	21.00	10.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-101	Zinc	16.00	10.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-102	Zinc	15.00	10.00	ug/L
surface water	SMBTT020	Smoky Creek below mining	IMP	SW-SMBTT020-103	Zinc	10.00	10.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-101	Zinc	110.00	10.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-102	Zinc	BDL	10.00	ug/L
surface water	SPRTT016	Spring Creek (mouth)	IMP	SW-SPRTT016-103	Zinc	BDL	10.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-101	Zinc	66.00	10.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-102	Zinc	BDL	10.00	ug/L
surface water	SSBTT022	South Fork Sage Creek below mining	IMP	SW-SSBTT022-103	Zinc	BDL	10.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-101	Zinc	BDL	10.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-102	Zinc	BDL	10.00	ug/L
surface water	TRATT003	Trail Creek near mouth	IMP	SW-TRATT003-103	Zinc	10.00	10.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-102	Zinc	BDL	10.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-103	Zinc	BDL	10.00	ug/L
surface water	WVCTT007	Wooley Valley Creek at Blackfoot River Road	IMP	SW-WVCTT007-201	Zinc	BDL	10.00	ug/L

BDL = Below detection limit

A-9 Impacted Unregulated Surface Water (Ponds)

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Cadmium	0.14	0.13	ug/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Cadmium	0.39	0.13	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Cadmium	50	0.13	ug/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Cadmium	1.6	0.13	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Cadmium	0.33	0.13	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Cadmium	39	0.13	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Cadmium	4.6	0.13	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Cadmium	0.13	0.13	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Cadmium	0.17	0.13	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Cadmium	4.9	0.13	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Cadmium	0.37	0.13	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Cadmium	0.97	0.13	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Cadmium	1.3	0.13	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Cadmium	0.57	0.13	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Cadmium	0.8	0.13	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Cadmium	0.21	0.13	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Cadmium	0.21	0.13	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Cadmium	0.64	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Cadmium	0.71	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Cadmium	0.66	0.13	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Cadmium	0.83	0.13	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Cadmium	BDL	0.13	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Cadmium	0.94	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Cadmium	2.7	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Cadmium	2.6	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Cadmium	2.6	0.13	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Cadmium	5.8	0.13	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Cadmium	1.7	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Cadmium	BDL	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Cadmium	BDL	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Cadmium	BDL	0.13	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Cadmium	0.27	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Cadmium	BDL	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Cadmium	BDL	0.13	ug/L

surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Cadmium	BDL	0.13	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Cadmium	1	0.13	ug/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Cadmium	3.6	0.13	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Cadmium	BDL	0.13	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Cadmium	12	0.13	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Cadmium	0.21	0.13	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Cadmium	0.17	0.13	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Cadmium	1.3	0.13	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Cadmium	8.9	0.13	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Cadmium	BDL	0.13	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Cadmium	0.14	0.13	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Cadmium	9.4	0.13	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Cadmium	1.2	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Cadmium	BDL	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Cadmium	BDL	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Cadmium	BDL	0.13	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Cadmium	0.31	0.13	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Cadmium	6.1	0.13	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Cadmium	0.19	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Cadmium	6.8	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Cadmium	7.3	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Cadmium	6.8	0.13	ug/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Cadmium	3.3	0.13	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Cadmium	4.6	0.13	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Cadmium	BDL	0.13	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Cadmium	0.27	0.13	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Cadmium	0.19	0.13	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Cadmium	2.6	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Cadmium	BDL	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Cadmium	BDL	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Cadmium	BDL	0.13	ug/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Cadmium	8.8	0.13	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Cadmium	0.94	0.13	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Cadmium	0.32	0.13	ug/L
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Chromium	2.9	0.50	ug/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Chromium	5	0.50	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Chromium	6.3	0.50	ug/L

surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Chromium	6.5	0.50	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Chromium	6.3	0.50	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Chromium	14	0.50	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Chromium	5.5	0.50	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Chromium	1.3	0.50	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Chromium	2.4	0.50	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Chromium	10	0.50	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Chromium	23	0.50	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Chromium	23	0.50	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Chromium	10	0.50	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Chromium	6.4	0.50	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Chromium	8.8	0.50	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Chromium	19	0.50	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Chromium	18	0.50	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Chromium	6.6	0.50	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Chromium	12	0.50	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Chromium	8.7	0.50	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Chromium	1.7	0.50	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Chromium	3.7	0.50	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Chromium	3.2	0.50	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Chromium	3.3	0.50	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Chromium	3.4	0.50	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Chromium	3.7	0.50	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Chromium	3.5	0.50	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Chromium	6.7	0.50	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Chromium	9.5	0.50	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Chromium	4.2	0.50	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Chromium	3.7	0.50	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Chromium	2.7	0.50	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Chromium	6.2	0.50	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Chromium	5.6	0.50	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Chromium	10	0.50	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Chromium	4.4	0.50	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Chromium	4.2	0.50	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Chromium	4.4	0.50	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Chromium	BDL	0.50	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Chromium	BDL	0.50	ug/L

surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Chromium	BDL	0.50	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Chromium	BDL	0.50	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Chromium	38	0.50	ug/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Chromium	2.8	0.50	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Chromium	0.75	0.50	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Chromium	0.53	0.50	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Chromium	3.7	0.50	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Chromium	5.3	0.50	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Chromium	3.9	0.50	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Chromium	1.9	0.50	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Chromium	BDL	0.50	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Chromium	BDL	0.50	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Chromium	0.7	0.50	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Chromium	5.7	0.50	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Chromium	3.4	0.50	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Chromium	22	0.50	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Chromium	4.3	0.50	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Chromium	2.3	0.50	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Chromium	28	0.50	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Chromium	1.9	0.50	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Chromium	6.4	0.50	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Chromium	6.8	0.50	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Chromium	BDL	0.50	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Chromium	17	0.50	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Chromium	1.7	0.50	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Chromium	12	0.50	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Chromium	12	0.50	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Chromium	15	0.50	ug/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Chromium	12	0.50	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Chromium	6.8	0.50	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Chromium	4.8	0.50	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Chromium	3.1	0.50	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Chromium	7.9	0.50	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Chromium	4.1	0.50	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Chromium	BDL	0.50	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Chromium	2.2	0.50	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Chromium	BDL	0.50	ug/L

surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Chromium	6.7	0.50	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Chromium	5.5	0.50	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Chromium	1.9	0.50	ug/L
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Copper	2.1	0.13	ug/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Copper	2.4	0.13	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Copper	3	0.13	ug/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Copper	2.1	0.13	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Copper	2	0.13	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Copper	1.7	0.13	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Copper	1.6	0.13	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Copper	1.2	0.13	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Copper	1.3	0.13	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Copper	1.7	0.13	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Copper	0.58	0.13	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Copper	4.3	0.13	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Copper	3.4	0.13	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Copper	4.1	0.13	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Copper	2.1	0.13	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Copper	1.5	0.13	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Copper	0.96	0.13	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Copper	1.3	0.13	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Copper	2	0.13	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Copper	1.1	0.13	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Copper	1.8	0.13	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Copper	1.4	0.13	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Copper	1.5	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Copper	1.8	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Copper	2.2	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Copper	1.7	0.13	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Copper	2.4	0.13	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Copper	1.7	0.13	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Copper	0.86	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Copper	1.3	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Copper	1.2	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Copper	1.3	0.13	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Copper	1.5	0.13	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Copper	1.6	0.13	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Copper	3.8	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Copper	1.5	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Copper	1.4	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Copper	1.5	0.13	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Copper	1.2	0.13	ug/L

surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Copper	0.72	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Copper	0.67	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Copper	0.76	0.13	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Copper	1	0.13	ug/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Copper	0.9	0.13	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Copper	0.76	0.13	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Copper	1.5	0.13	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Copper	1.1	0.13	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Copper	1.5	0.13	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Copper	1.6	0.13	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Copper	0.78	0.13	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Copper	0.62	0.13	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Copper	3.6	0.13	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Copper	3.9	0.13	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Copper	1.6	0.13	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Copper	1	0.13	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Copper	1.4	0.13	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Copper	0.85	0.13	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Copper	0.7	0.13	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Copper	1.6	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Copper	1.4	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Copper	1.3	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Copper	1.4	0.13	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Copper	4.4	0.13	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Copper	2.1	0.13	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Copper	1.5	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Copper	4	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Copper	4	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Copper	3.8	0.13	ug/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Copper	3.3	0.13	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Copper	3.3	0.13	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Copper	0.4	0.13	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Copper	0.49	0.13	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Copper	0.84	0.13	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Copper	1.1	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Copper	0.56	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Copper	0.5	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Copper	0.56	0.13	ug/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Copper	1.2	0.13	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Copper	1.7	0.13	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Copper	0.8	0.13	ug/L
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Nickel	11	0.13	ug/L

surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Nickel	16	0.13	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Nickel	1500	0.13	ug/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Nickel	22	0.13	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Nickel	2.7	0.13	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Nickel	960	0.13	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Nickel	69	0.13	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Nickel	11	0.13	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Nickel	3.2	0.13	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Nickel	20	0.13	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Nickel	1.1	0.13	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Nickel	31	0.13	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Nickel	8	0.13	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Nickel	9.1	0.13	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Nickel	9.8	0.13	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Nickel	170	0.13	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Nickel	5.4	0.13	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Nickel	3.1	0.13	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Nickel	6	0.13	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Nickel	4.6	0.13	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Nickel	9.8	0.13	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Nickel	3.2	0.13	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Nickel	3.2	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Nickel	4.6	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Nickel	4.6	0.13	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Nickel	4.6	0.13	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Nickel	3.6	0.13	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Nickel	25	0.13	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Nickel	4.8	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Nickel	49	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Nickel	48	0.13	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Nickel	50	0.13	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Nickel	34	0.13	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Nickel	4.4	0.13	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Nickel	18	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Nickel	8	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Nickel	8.2	0.13	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Nickel	8.2	0.13	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Nickel	6.5	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Nickel	2.1	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Nickel	2.2	0.13	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Nickel	2.2	0.13	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Nickel	5.9	0.13	ug/L

surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Nickel	57	0.13	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Nickel	3.8	0.13	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Nickel	97	0.13	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Nickel	11	0.13	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Nickel	4.6	0.13	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Nickel	7	0.13	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Nickel	3.1	0.13	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Nickel	7.9	0.13	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Nickel	58	0.13	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Nickel	660	0.13	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Nickel	6.1	0.13	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Nickel	1.4	0.13	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Nickel	31	0.13	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Nickel	6.2	0.13	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Nickel	220	0.13	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Nickel	5.9	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Nickel	1.2	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Nickel	1.1	0.13	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Nickel	1	0.13	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Nickel	13	0.13	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Nickel	120	0.13	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Nickel	4.5	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Nickel	160	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Nickel	160	0.13	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Nickel	160	0.13	ug/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Nickel	24	0.13	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Nickel	310	0.13	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Nickel	2.1	0.13	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Nickel	0.81	0.13	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Nickel	16	0.13	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Nickel	16	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Nickel	0.91	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Nickel	0.66	0.13	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Nickel	0.69	0.13	ug/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Nickel	90	0.13	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Nickel	26	0.13	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Nickel	8.7	0.13	ug/L

surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-U	Selenium	25	1.00	ug/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-U	Selenium	220	1.00	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-U	Selenium	200	1.00	ug/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-U	Selenium	2.5	1.00	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-U	Selenium	24	1.00	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-U	Selenium	670	1.00	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-U	Selenium	110	1.00	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-U	Selenium	37	1.00	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-U	Selenium	40	1.00	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-U	Selenium	49	1.00	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-U	Selenium	440	1.00	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-U	Selenium	580	1.00	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-U	Selenium	220	1.00	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-U	Selenium	94	1.00	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-U	Selenium	24	1.00	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-U	Selenium	2.6	1.00	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-U	Selenium	BDL	1.00	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-U	Selenium	4.2	1.00	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-U	Selenium	130	1.00	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-U	Selenium	62	1.00	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-U	Selenium	62	1.00	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-U	Selenium	1.3	1.00	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-U	Selenium	BDL	1.00	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-U	Selenium	33	1.00	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-U	Selenium	33	1.00	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-U	Selenium	32	1.00	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-U	Selenium	10	1.00	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-U	Selenium	41	1.00	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-U	Selenium	490	1.00	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-U	Selenium	12	1.00	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-U	Selenium	11	1.00	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-U	Selenium	36	1.00	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-U	Selenium	69	1.00	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-U	Selenium	3.7	1.00	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-U	Selenium	26	1.00	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-U	Selenium	5.4	1.00	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-U	Selenium	6.9	1.00	ug/L

surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-U	Selenium	7.6	1.00	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-U	Selenium	7.4	1.00	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-U	Selenium	1.9	1.00	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-U	Selenium	1.9	1.00	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-U	Selenium	2.5	1.00	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-U	Selenium	170	1.00	ug/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-U	Selenium	12	1.00	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-U	Selenium	BDL	1.00	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-U	Selenium	340	1.00	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-U	Selenium	12	1.00	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-U	Selenium	13	1.00	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-U	Selenium	BDL	1.00	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-U	Selenium	BDL	1.00	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-U	Selenium	3	1.00	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-U	Selenium	44	1.00	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-U	Selenium	78	1.00	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-U	Selenium	6.7	1.00	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	502101SWSP050-0-U	Selenium	56	1.00	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-U	Selenium	2.8	1.00	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-U	Selenium	BDL	1.00	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-U	Selenium	160	1.00	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-U	Selenium	6.5	1.00	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-U	Selenium	16	1.00	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-U	Selenium	15	1.00	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-U	Selenium	14	1.00	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-U	Selenium	55	1.00	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-U	Selenium	420	1.00	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-U	Selenium	23	1.00	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-U	Selenium	1700	1.00	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-U	Selenium	1800	1.00	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-U	Selenium	1900	1.00	ug/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-U	Selenium	67	1.00	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-U	Selenium	2200	1.00	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-U	Selenium	4.1	1.00	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-U	Selenium	1.4	1.00	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-U	Selenium	88	1.00	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-U	Selenium	96	1.00	ug/L

surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-U	Selenium	7.8	1.00	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-U	Selenium	7.7	1.00	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-U	Selenium	8.2	1.00	ug/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-U	Selenium	860	1.00	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-U	Selenium	530	1.00	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-U	Selenium	85	1.00	ug/L
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Vanadium	19	0.25	ug/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Vanadium	2.7	0.25	ug/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Vanadium	61	0.25	ug/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Vanadium	7.9	0.25	ug/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Vanadium	26	0.25	ug/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Vanadium	38	0.25	ug/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Vanadium	22	0.25	ug/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Vanadium	13	0.25	ug/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Vanadium	24	0.25	ug/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Vanadium	1.6	0.25	ug/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Vanadium	2.8	0.25	ug/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Vanadium	12	0.25	ug/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Vanadium	40	0.25	ug/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Vanadium	48	0.25	ug/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Vanadium	7.8	0.25	ug/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Vanadium	2.8	0.25	ug/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Vanadium	3.6	0.25	ug/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Vanadium	2.3	0.25	ug/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Vanadium	6.9	0.25	ug/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Vanadium	4.1	0.25	ug/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Vanadium	14	0.25	ug/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Vanadium	2.9	0.25	ug/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Vanadium	2.2	0.25	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Vanadium	18	0.25	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Vanadium	19	0.25	ug/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Vanadium	20	0.25	ug/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Vanadium	12	0.25	ug/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Vanadium	3	0.25	ug/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Vanadium	7.8	0.25	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Vanadium	18	0.25	ug/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Vanadium	17	0.25	ug/L

surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Vanadium	18	0.25	ug/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Vanadium	72	0.25	ug/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Vanadium	5.1	0.25	ug/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Vanadium	26	0.25	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Vanadium	11	0.25	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Vanadium	11	0.25	ug/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Vanadium	11	0.25	ug/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Vanadium	BDL	0.25	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Vanadium	BDL	0.25	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Vanadium	BDL	0.25	ug/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Vanadium	BDL	0.25	ug/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Vanadium	170	0.25	ug/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Vanadium	36	0.25	ug/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Vanadium	BDL	0.25	ug/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Vanadium	3000	0.25	ug/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Vanadium	2.2	0.25	ug/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Vanadium	5.6	0.25	ug/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Vanadium	0.99	0.25	ug/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Vanadium	BDL	0.25	ug/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Vanadium	1.9	0.25	ug/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Vanadium	BDL	0.25	ug/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Vanadium	BDL	0.25	ug/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Vanadium	7.3	0.25	ug/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Vanadium	0.44	0.25	ug/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Vanadium	BDL	0.25	ug/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Vanadium	1.7	0.25	ug/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Vanadium	27	0.25	ug/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Vanadium	9.8	0.25	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Vanadium	2.2	0.25	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Vanadium	3.3	0.25	ug/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Vanadium	3.5	0.25	ug/L
surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Vanadium	12	0.25	ug/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Vanadium	9.6	0.25	ug/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Vanadium	1	0.25	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Vanadium	15	0.25	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Vanadium	15	0.25	ug/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Vanadium	15	0.25	ug/L

surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Vanadium	5.5	0.25	ug/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Vanadium	21	0.25	ug/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Vanadium	1.9	0.25	ug/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Vanadium	3.6	0.25	ug/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Vanadium	7.4	0.25	ug/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Vanadium	110	0.25	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Vanadium	3	0.25	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Vanadium	3	0.25	ug/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Vanadium	2.8	0.25	ug/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Vanadium	9.2	0.25	ug/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Vanadium	2.5	0.25	ug/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Vanadium	23	0.25	ug/L
surface water	SP019	Enoch Valley Mine Bat Cave Pond	Monsanto	051401SWSP019-0-F	Zinc	BDL	0.01	mg/L
surface water	SP017	Enoch Valley Mine South Pond	Monsanto	051401SWSP017-0-F	Zinc	0.019	0.01	mg/L
surface water	SP018	Enoch Valley Mine Keyhole Pond	Monsanto	051401SWSP018-0-F	Zinc	6.6	0.01	mg/L
surface water	SP031	Enoch Valley Mine Shop Pond	Monsanto	051401SWSP031-0-F	Zinc	0.025	0.01	mg/L
surface water	SP023	Enoch Valley Mine Haul Road Pond	Monsanto	051401SWSP023-0-F	Zinc	BDL	0.01	mg/L
surface water	SP055	Henry Mine South Pit Pond	Monsanto	051401SWSP055-0-F	Zinc	4	0.01	mg/L
surface water	SP021	Enoch Valley Mine Stock Pond	Monsanto	051401SWSP021-0-F	Zinc	0.16	0.01	mg/L
surface water	SP020	Enoch Valley Mine West Pond	Monsanto	051401SWSP020-0-F	Zinc	BDL	0.01	mg/L
surface water	SP022	Enoch Valley Mine Tipple Pond	Monsanto	051401SWSP022-0-F	Zinc	BDL	0.01	mg/L
surface water	DS026	Enoch Valley South Dump Seep	Monsanto	051401SWDS026-0-F	Zinc	0.047	0.01	mg/L
surface water	DS027	Ballard Mine Garden Hose Dump Seep	Monsanto	051501SWDS027-0-F	Zinc	0.016	0.01	mg/L
surface water	SP010	Ballard Mine Dredge Pond	Monsanto	051501SWSP010-0-F	Zinc	0.025	0.01	mg/L
surface water	SP012	Ballard Mine Lower Elk Pond	Monsanto	051501SWSP012-0-F	Zinc	0.01	0.01	mg/L
surface water	SP011	Ballard Mine Upper Elk Pond	Monsanto	051501SWSP011-0-F	Zinc	BDL	0.01	mg/L
surface water	SP059	Ballard Mine Pit #4 Stock Pond	Monsanto	051501SWSP059-0-F	Zinc	BDL	0.01	mg/L
surface water	DS025	Enoch Valley West Dump Seep	Monsanto	051501SWDS025-0-F	Zinc	0.14	0.01	mg/L
surface water	DS022	Henry Mine South Pit Overburden Dump Limestone Drain	Monsanto	051501SWDS022-0-F	Zinc	0.01	0.01	mg/L
surface water	SP014	Henry Mine Henry Pond	Monsanto	051501SWSP014-0-F	Zinc	BDL	0.01	mg/L
surface water	SP015	Henry Mine Smith Pond	Monsanto	051501SWSP015-0-F	Zinc	0.012	0.01	mg/L
surface water	SP016	Henry Mine Center Henry Pond	Monsanto	051501SWSP016-0-F	Zinc	BDL	0.01	mg/L
surface water	SP038	Gay Mine A-12 Lake in A-12 Pit	FMC and Simplot	051601SWSP038-0-F	Zinc	0.013	0.01	mg/L
surface water	SP036	Gay Mine Pond #1 above A-12 Pit	FMC and Simplot	051601SWSP036-0-F	Zinc	BDL	0.01	mg/L
surface water	SP037	Gay Mine Pond #2 above A-12 Pit	FMC and Simplot	051601SWSP037-0-F	Zinc	0.01	0.01	mg/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-1-F	Zinc	BDL	0.01	mg/L
surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-2-F	Zinc	BDL	0.01	mg/L

surface water	SP027	South 40 Pit Pond	FMC and Simplot	051601SWSP027-3-F	Zinc	BDL	0.01	mg/L
surface water	SP046	Champ Mine Extension Pit Pond	Nu-West	051601SWSP046-0-F	Zinc	BDL	0.01	mg/L
surface water	DS006	Champ Mine Goodheart Creek Seep	Nu-West	051601SWDS006-0-F	Zinc	0.034	0.01	mg/L
surface water	DS005	North Maybe Mine East Mill Dump Seep	Nu-West	051601SWDS005-0-F	Zinc	0.024	0.01	mg/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-1-F	Zinc	0.064	0.01	mg/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-2-F	Zinc	0.067	0.01	mg/L
surface water	SP045	Champ Mine Pit Pond	Nu-West	051601SWSP045-3-F	Zinc	0.066	0.01	mg/L
surface water	SP048	Mountain Fuel Mine East Limb Pit Pond	Nu-West	051701SWSP048-0-F	Zinc	0.058	0.01	mg/L
surface water	SP005	Mountain Fuel Mine Spring #3	Nu-West	051701SWSP005-0-F	Zinc	BDL	0.01	mg/L
surface water	SP004	Mountain Fuel Mine Spring #2	Nu-West	051701SWSP004-0-F	Zinc	0.014	0.01	mg/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-1-F	Zinc	BDL	0.01	mg/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-2-F	Zinc	BDL	0.01	mg/L
surface water	SP003	Mountain Fuel Mine Stock Pond	Nu-West	051701SWSP003-3-F	Zinc	BDL	0.01	mg/L
surface water	SP032	Wooley Valley Mine Large Haul Road Pond	Rhodia	051801SWSP032-0-F	Zinc	BDL	0.01	mg/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-1-F	Zinc	BDL	0.01	mg/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-2-F	Zinc	BDL	0.01	mg/L
surface water	SP033	Wooley Valley Mine Upper Angus Creek Reservoir	Rhodia	051901SWSP033-3-F	Zinc	BDL	0.01	mg/L
surface water	SP044	North Maybe Mine Pit Pond	Nu-West	051801SWSP044-0-F	Zinc	BDL	0.01	mg/L
surface water	SP047	Mountain Fuel Mine North Pit Pond	Nu-West	051801SWSP047-0-F	Zinc	0.077	0.01	mg/L
surface water	DS008	Mountain Fuel Mine Seep #2	Nu-West	051801SWDS008-0-F	Zinc	BDL	0.01	mg/L
surface water	DS020	Mountain Fuel New Spring #1	Nu-West	051901SWDS020-0-F	Zinc	0.23	0.01	mg/L
surface water	DS007	Mountain Fuel Mine Seep #1	Nu-West	051901SWDS007-0-F	Zinc	BDL	0.01	mg/L
surface water	DS010	Wooley Valley Mine Unit I Overburden Dump Seep	Rhodia	051901SWDS010-0-F	Zinc	0.011	0.01	mg/L
surface water	SP025	W Pit Pond	FMC and Simplot	051701SWSP025-0-F	Zinc	BDL	0.01	mg/L
surface water	SP041	Gay Mine East Limb North Pond	FMC and Simplot	051701SWSP041-0-F	Zinc	BDL	0.01	mg/L
surface water	SP026	Z Pit Pond	FMC and Simplot	051701SWSP026-0-F	Zinc	BDL	0.01	mg/L
surface water	SP060	Rasmussen Ridge Mine Unit I Overburden Runoff Pond #4	Nu-West	051801SWSP060-0-F	Zinc	0.1	0.01	mg/L
surface water	DS009	Rasmussen Ridge Mine Unit I Overburden Dump Seep	Nu-West	051801SWDS009-0-F	Zinc	1.8	0.01	mg/L
surface water	SP007	Wooley Valley Mine Unit III Shop Pond	Monsanto	052101SWSP007-0-F	Zinc	BDL	0.01	mg/L
surface water	SP050	Wooley Valley Mine Unit III Pit Pond (South)	Rhodia	052101SWSP050-0-F	Zinc	BDL	0.01	mg/L
surface water	DS012	Wooley Valley Mine Unit IV Overburden Dump Seep	Rhodia	052101SWDS012-0-F	Zinc	0.02	0.01	mg/L
surface water	SP008	Wooley Valley Mine Unit III Overburden Pond	Monsanto	052101SWSP008-0-F	Zinc	BDL	0.01	mg/L
surface water	SP061	Dry Valley Mine Pit B Pond	FMC	052101SWSP061-0-F	Zinc	0.83	0.01	mg/L
surface water	DS011	Wooley Valley Mine Unit III Overburden Dump Seep	Rhodia	052101SWDS011-0-F	Zinc	0.014	0.01	mg/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-1-F	Zinc	BDL	0.01	mg/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-2-F	Zinc	BDL	0.01	mg/L
surface water	SP051	Wooley Valley Mine Unit III Pit Pond (North)	Rhodia	052101SWSP051-3-F	Zinc	BDL	0.01	mg/L

surface water	SP009	Lanes Creek Mine Pond	Simplot	052101SWSP009-0-F	Zinc	BDL	0.01	mg/L
surface water	DS018	Conda Mine Dump Seep #4	Simplot	052201SWDS018-0-F	Zinc	0.35	0.01	mg/L
surface water	DS023	Conda Mine Dump Seep #2	Simplot	052201SWDS023-0-F	Zinc	0.017	0.01	mg/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-1-F	Zinc	0.4	0.01	mg/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-2-F	Zinc	0.4	0.01	mg/L
surface water	DS015	Conda Mine Waste Dump South Woodall Seep	Simplot	052201SWDS015-3-F	Zinc	0.31	0.01	mg/L
surface water	DS024	Conda Mine Dump Seep #3	Simplot	052301SWDS024-0-F	Zinc	0.14	0.01	mg/L
surface water	DS019	Conda Mine Dump Seep #7	Simplot	052301SWDS019-0-F	Zinc	0.56	0.01	mg/L
surface water	DS017	Conda Mine Meadow Dump Seep	Simplot	052301SWDS017-0-F	Zinc	BDL	0.01	mg/L
surface water	SP034	Conda Mine Hoorah Hollow Pond	Simplot	052301SWSP034-0-F	Zinc	BDL	0.01	mg/L
surface water	DS021	Conda Mine French Drain	Simplot	052301SWDS021-0-F	Zinc	0.05	0.01	mg/L
surface water	SP035	Conda Mine NL4 Pond	Simplot	052301SWSP035-0-F	Zinc	0.012	0.01	mg/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-1-F	Zinc	BDL	0.01	mg/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-2-F	Zinc	BDL	0.01	mg/L
surface water	SP030	Dredge Pond	Simplot	052201SWSP030-3-F	Zinc	BDL	0.01	mg/L
surface water	DS029	Smoky Canyon Dump Seep D-P7	Simplot	052201SWDS029-0-F	Zinc	0.23	0.01	mg/L
surface water	DS028	Smoky Canyon Dump Seep D-P10	Simplot	052201SWDS028-0-F	Zinc	0.045	0.01	mg/L
surface water	SP054	Smoky Canyon Mine A Pit Pond	Simplot	052201SWSP054-0-F	Zinc	BDL	0.01	mg/L

Notes: BDL=Below Detection Limits

A-10 Background Sediment Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Cadmium	1.1	0.20	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Cadmium	0.7	0.20	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Cadmium	0.4	0.20	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Cadmium	BDL	0.20	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Cadmium	5.1	0.20	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Cadmium	BDL	0.20	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Cadmium	BDL	0.20	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Cadmium	2.5	0.20	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Cadmium	BDL	0.20	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Cadmium	0.6	0.02	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Cadmium	0.7	0.02	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Cadmium	1.1	0.02	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Chromium	21.0	0.18	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Chromium	44.0	0.18	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Chromium	50.0	0.18	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Chromium	11.0	0.18	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Chromium	100.0	0.18	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Chromium	43.0	0.18	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Chromium	31.0	0.18	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Chromium	51.0	0.18	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Chromium	43.0	0.18	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Chromium	22.0	1.00	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Chromium	27.0	1.00	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Chromium	31.0	1.00	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Copper	8.5	0.28	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Copper	3.2	0.28	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Copper	15.0	0.28	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Copper	4.8	0.28	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Copper	25.0	0.28	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Copper	13.0	0.28	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Copper	9.2	0.28	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Copper	9.4	0.28	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Copper	17.0	0.28	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Copper	13.0	1.00	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Copper	6.0	1.00	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Copper	12.0	1.00	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Nickel	17.0	0.50	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Nickel	17.0	0.50	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Nickel	19.0	0.50	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Nickel	6.4	0.50	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Nickel	44.0	0.50	mg/kg

sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Nickel	22.0	0.50	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Nickel	16.0	0.50	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Nickel	17.0	0.50	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Nickel	23.0	0.50	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Nickel	19.2	0.04	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Nickel	8.2	0.04	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Nickel	19.8	0.04	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Selenium	0.5	0.04	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Selenium	1.2	0.04	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Selenium	1.3	0.04	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Selenium	0.6	0.04	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Selenium	2.6	0.04	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Selenium	1.0	0.04	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Selenium	0.9	0.04	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Selenium	1.0	0.04	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Selenium	1.4	0.04	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Selenium	1.1	0.10	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Selenium	2.0	0.10	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Selenium	1.0	0.10	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Vanadium	20.0	0.16	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Vanadium	23.0	0.16	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Vanadium	48.0	0.16	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Vanadium	14.0	0.16	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Vanadium	72.0	0.16	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Vanadium	47.0	0.16	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Vanadium	34.0	0.16	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Vanadium	39.0	0.16	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Vanadium	55.0	0.16	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Vanadium	22.3	0.50	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Vanadium	17.2	0.60	mg/kg
sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Vanadium	32.0	0.50	mg/kg
sediment	CALTT004	Caldwell Creek	BG	SD-CALTT004-102	Zinc	58.0	0.14	mg/kg
sediment	CCATT029	Crow Creek above Deer Creek	BG	SD-CCATT029-102	Zinc	57.0	0.14	mg/kg
sediment	DIATT018	Diamond Creek at USFS boundary	BG	SD-DIATT018-102	Zinc	96.0	0.14	mg/kg
sediment	MCATT030	Montpelier Creek above mining	BG	SD-MCATT030-102	Zinc	38.0	0.14	mg/kg
sediment	NNATT013	No Name Creek above mining	BG	SD-NNATT013-102	Zinc	210.0	0.14	mg/kg
sediment	SCATT024	Sage Creek above mining	BG	SD-SCATT024-102	Zinc	77.0	0.14	mg/kg
sediment	SHETT019	Sheep Creek	BG	SD-SHETT019-102	Zinc	66.0	0.14	mg/kg
sediment	SLUTT005	Slug Creek at USFS boundary	BG	SD-SLUTT005-102	Zinc	100.0	0.14	mg/kg
sediment	SMATT021	Smoky Creek above mining	BG	SD-SMATT021-102	Zinc	96.0	0.14	mg/kg
sediment	KCTT042	Kendall Creek	BG	SED-KCTT042	Zinc	84.0	1.00	mg/kg
sediment	SCAETT047	Spring Creek above East Mill Creek	BG	SED-SCAETT047-01	Zinc	40.0	1.00	mg/kg

sediment	USCTT041	Upper Sage Creek	BG	SED-USCTT041	Zinc	88.0	1.00	mg/kg

[1] All results reported on a dry weight basis
BDL = Below detection limit

A-11 Impacted Sediment Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Cadmium	1	0.20	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Cadmium	0.65	0.20	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Cadmium	0.69	0.20	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Cadmium	4.3	0.02	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Cadmium	5.4	0.20	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Cadmium	5.8	0.20	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Cadmium	8.3	0.20	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Cadmium	4.5	0.20	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Cadmium	8.4	0.02	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Cadmium	0.99	0.20	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Cadmium	1.8	0.20	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Cadmium	2.8	0.20	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Cadmium	1.5	0.20	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Cadmium	2.4	0.20	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Cadmium	11.9	0.10	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Cadmium	6.54	0.05	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Cadmium	1.77	0.02	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Cadmium	14	0.20	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Cadmium	1.23	0.02	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Chromium	16	0.18	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Chromium	42	0.18	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Chromium	25	0.18	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Chromium	74	0.08	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Chromium	83	0.18	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Chromium	130	0.18	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Chromium	77	0.18	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Chromium	25	0.18	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Chromium	110	0.08	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Chromium	39	0.18	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Chromium	49	0.18	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Chromium	99	0.18	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Chromium	43	0.18	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Chromium	68	0.18	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Chromium	191	1.00	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Chromium	65	1.00	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Chromium	27	1.00	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Chromium	47	1.00	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Chromium	37	1.00	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Copper	6.4	0.28	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Copper	4.2	0.28	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Copper	7	0.28	mg/kg

sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Copper	16	0.70	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Copper	24	0.28	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Copper	14	0.28	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Copper	14	0.28	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Copper	7	0.28	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Copper	28	0.70	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Copper	5.3	0.28	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Copper	15	0.28	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Copper	20	0.28	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Copper	10	0.28	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Copper	9.2	0.28	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Copper	44	1.00	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Copper	21	1.00	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Copper	7	1.00	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Copper	19	1.00	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Copper	11	1.00	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Nickel	24	0.50	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Nickel	15	0.50	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Nickel	18	0.50	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Nickel	35	0.02	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Nickel	54	0.50	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Nickel	99	0.50	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Nickel	26	0.50	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Nickel	11	0.50	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Nickel	58	0.02	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Nickel	16	0.50	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Nickel	37	0.50	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Nickel	39	0.50	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Nickel	23	0.50	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Nickel	27	0.50	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Nickel	81	0.20	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Nickel	46	0.10	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Nickel	13.5	0.04	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Nickel	164	0.40	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Nickel	15.4	0.04	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Selenium	2	0.04	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Selenium	1.6	0.04	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Selenium	1.1	0.04	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Selenium	4.2	0.04	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Selenium	21	0.04	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Selenium	58	0.04	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Selenium	4.6	0.04	mg/kg

sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Selenium	1.6	0.04	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Selenium	2.6	0.04	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Selenium	2.8	0.04	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Selenium	2.8	0.04	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Selenium	3.8	0.04	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Selenium	4.4	0.04	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Selenium	1.4	0.04	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Selenium	188	5.00	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Selenium	15	0.50	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Selenium	3.4	0.10	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Selenium	29	2.00	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Selenium	1.9	0.10	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Vanadium	14	0.16	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Vanadium	26	0.16	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Vanadium	18	0.16	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Vanadium	57	3.10	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Vanadium	94	0.16	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Vanadium	76	0.16	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Vanadium	72	0.16	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Vanadium	33	0.16	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Vanadium	92	3.10	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Vanadium	31	0.16	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Vanadium	49	0.16	mg/kg
sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Vanadium	61	0.16	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Vanadium	34	0.16	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Vanadium	48	0.16	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Vanadium	133	0.50	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Vanadium	73.6	0.50	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Vanadium	26.8	0.50	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Vanadium	55.7	0.50	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Vanadium	37.3	0.50	mg/kg
sediment	BFDTT008	Blackfoot River above Dry Valley Creek	IMP	SD-BFDTT008-102	Zinc	38	0.14	mg/kg
sediment	BFNTT009	Blackfoot River above Narrows	IMP	SD-BFNTT009-102	Zinc	44	0.14	mg/kg
sediment	BFUTT015	Blackfoot River at upper bridge	IMP	SD-BFUTT015-102	Zinc	35	0.14	mg/kg
sediment	DCMTT028	Deer Creek (mouth)	IMP	SD-DCMTT028-103	Zinc	230	0.54	mg/kg
sediment	EMCTT017	East Mill Creek above split	IMP	SD-EMCTT017-102	Zinc	210	0.14	mg/kg
sediment	GHCTT006	Goodheart Creek	IMP	SD-GHCTT006-102	Zinc	400	0.14	mg/kg
sediment	GTCTT032	Georgetown Creek	IMP	SD-GTCTT032-102	Zinc	150	0.14	mg/kg
sediment	MCBTT031	Montpelier Creek below mining	IMP	SD-MCBTT031-102	Zinc	92	0.14	mg/kg
sediment	NNBTT012	No Name Creek below mining	IMP	SD-NNBTT012-103	Zinc	330	0.54	mg/kg
sediment	SCMTT026	Sage Creek (mouth)	IMP	SD-SCMTT026-102	Zinc	77	0.14	mg/kg
sediment	SCPTT027	Sage Creek below Pole Creek	IMP	SD-SCPTT027-102	Zinc	110	0.14	mg/kg

sediment	SLCTT002	Stateland Creek	IMP	SD-SLCTT002-102	Zinc	170	0.14	mg/kg
sediment	SPRTT016	Spring Creek (mouth)	IMP	SD-SPRTT016-102	Zinc	72	0.14	mg/kg
sediment	SSBTT022	South Fork Sage Creek below mining	IMP	SD-SSBTT022-102	Zinc	110	0.14	mg/kg
sediment	EMCNTT045	East Mill Creek North (wetland area)	IMP	SED-EMCNTT045	Zinc	517	1.00	mg/kg
sediment	EMCTT043	East Mill Creek	IMP	SED-EMCTT043	Zinc	218	1.00	mg/kg
sediment	LSCTT040	Lower Sage Creek	IMP	SED-LSCTT040	Zinc	76	1.00	mg/kg
sediment	MCTT044	Maybe Creek	IMP	SED-MCTT044	Zinc	866	1.00	mg/kg
sediment	SCBETT046	Spring Creek below East Mill Creek	IMP	SED-SCBETT046	Zinc	70	1.00	mg/kg

Notes: [1] All units reported on a dry weight basis

A-12 Background Riparian Soils

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
soil	007	Diamond Creek	BG	SL-007	Cadmium		0.20	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Cadmium	2.7	0.20	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Cadmium	1.1	0.20	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Cadmium	1.2	0.20	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Cadmium	1.4	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Cadmium	1.2	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Cadmium	1.4	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Cadmium	1.1	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Cadmium	0.44	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Cadmium	1.1	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Cadmium	0.92	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Cadmium	1	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Cadmium	0.5	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Cadmium	0.85	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Cadmium	0.42	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Cadmium	0.82	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Cadmium	0.91	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Cadmium	0.87	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Cadmium	0.94	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Cadmium	0.85	0.02	mg/kg
soil	007	Diamond Creek	BG	SL-007	Chromium	35	0.18	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Chromium	110	0.18	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Chromium	71	0.18	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Chromium	56	0.18	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Chromium	66	0.08	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Chromium	61	0.08	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Chromium	67	0.08	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Chromium	50	0.08	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Chromium	53	0.08	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Chromium	39	0.08	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Chromium	41	0.08	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Chromium	46	0.08	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Chromium	43	0.08	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Chromium	73	0.08	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Chromium	30	0.08	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Chromium	40	0.08	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Chromium	41	0.08	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Chromium	39	0.08	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Chromium	39	0.08	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Chromium	40	0.08	mg/kg
soil	007	Diamond Creek	BG	SL-007	Copper	11	0.28	mg/kg

soil	009	No Name Creek above mining	BG	SL-009	Copper	25	0.28	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Copper	26	0.28	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Copper	12	0.28	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Copper	19	0.70	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Copper	17	0.70	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Copper	18	0.70	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Copper	17	0.70	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Copper	19	0.70	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Copper	14	0.70	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Copper	14	0.70	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Copper	18	0.70	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Copper	12	0.70	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Copper	19	0.70	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Copper	6.8	0.70	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Copper	20	0.70	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Copper	19	0.70	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Copper	19	0.70	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Copper	18	0.70	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Copper	20	0.70	mg/kg
soil	007	Diamond Creek	BG	SL-007	Nickel	19	0.50	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Nickel	37	0.50	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Nickel	33	0.50	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Nickel	23	0.50	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Nickel	26	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Nickel	25	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Nickel	27	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Nickel	15	0.02	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Nickel	5.8	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Nickel	19	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Nickel	20	0.02	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Nickel	24	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Nickel	18	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Nickel	30	0.02	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Nickel	13	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Nickel	24	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Nickel	25	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Nickel	24	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Nickel	23	0.02	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Nickel	25	0.02	mg/kg
soil	007	Diamond Creek	BG	SL-007	Selenium	0.43	0.04	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Selenium	1	0.04	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Selenium	0.75	0.04	mg/kg

soil	011	No Name Creek above mining	BG	SL-011	Selenium	0.58	0.04	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Selenium	0.6	0.04	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Selenium	1.3	0.04	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Selenium	1.3	0.04	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Selenium	1.3	0.04	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Selenium	1.2	0.04	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Selenium	0.97	0.04	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Selenium	1	0.04	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Selenium	0.93	0.04	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Selenium	0.77	0.04	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Selenium	0.41	0.04	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Selenium	0.36	0.04	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Selenium	1	0.04	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Selenium	2.3	0.04	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Selenium	1.2	0.04	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Selenium	1.3	0.04	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Selenium	1.4	0.04	mg/kg
soil	007	Diamond Creek	BG	SL-007	Vanadium	44	0.16	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Vanadium	83	0.16	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Vanadium	70	0.16	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Vanadium	50	0.16	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Vanadium	58	3.10	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Vanadium	55	3.10	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Vanadium	59	3.10	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Vanadium	52	3.10	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Vanadium	57	3.10	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Vanadium	40	3.10	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Vanadium	39	3.10	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Vanadium	48	3.10	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Vanadium	37	3.10	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Vanadium	68	3.10	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Vanadium	27	3.10	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Vanadium	50	3.10	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Vanadium	51	3.10	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Vanadium	48	3.10	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Vanadium	51	3.10	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Vanadium	49	3.10	mg/kg
soil	007	Diamond Creek	BG	SL-007	Zinc	73	0.14	mg/kg
soil	009	No Name Creek above mining	BG	SL-009	Zinc	190	0.14	mg/kg
soil	010	No Name Creek above mining	BG	SL-010	Zinc	140	0.14	mg/kg
soil	011	No Name Creek above mining	BG	SL-011	Zinc	91	0.14	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Zinc	110	0.54	mg/kg

soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Zinc	100	0.54	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-1	Zinc	97	0.54	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-2	Zinc	90	0.54	mg/kg
soil	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801SSST049-3	Zinc	95	0.54	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-1	Zinc	93	0.54	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-2	Zinc	72	0.54	mg/kg
soil	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101SSST153-3	Zinc	100	0.54	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-03	Zinc	62	0.54	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST235-2	Zinc	100	0.54	mg/kg
soil	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801SSST253-1	Zinc	39	0.54	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-1	Zinc	100	0.54	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-2	Zinc	100	0.54	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Zinc	97	0.54	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Zinc	98	0.54	mg/kg
soil	ST237	Timber Creek, above Diamond Creek	BG	090301SSST237-3	Zinc	100	0.54	mg/kg

Notes: [1] All units reported on a dry weight basis

A-13 Impacted Riparian Soils

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Cadmium	4.4	0.200	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Cadmium	63	0.200	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Cadmium	1.2	0.200	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Cadmium	0.23	0.200	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Cadmium	4.3	0.200	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Cadmium	0.79	0.200	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Cadmium		0.200	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Cadmium	0.97	0.019	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Cadmium	1	0.019	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Cadmium	0.82	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Cadmium	2.4	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Cadmium	2.4	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Cadmium	1.4	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Cadmium	4.1	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Cadmium	3.1	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Cadmium	2.8	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Cadmium	2.5	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Cadmium	2.5	0.019	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Cadmium	2.5	0.019	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Cadmium	2.2	0.019	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Cadmium	9.6	0.019	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Chromium	75	0.180	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Chromium	970	0.180	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Chromium	63	0.180	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Chromium	59	0.180	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Chromium	96	0.180	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Chromium	51	0.180	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Chromium	36	0.180	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Chromium	26	0.075	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Chromium	21	0.075	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Chromium	16	0.075	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Chromium	45	0.075	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Chromium	49	0.075	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Chromium	50	0.075	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Chromium	86	0.075	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Chromium	63	0.075	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Chromium	65	0.075	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Chromium	59	0.075	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Chromium	62	0.075	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Chromium	67	0.075	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Chromium	59	0.075	mg/kg

soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Chromium	150	0.075	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Copper	16	0.280	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Copper	120	0.280	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Copper	21	0.280	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Copper	17	0.280	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Copper	24	0.280	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Copper	17	0.280	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Copper	9.6	0.280	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Copper	6.2	0.700	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Copper	9.2	0.700	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Copper	7.1	0.700	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Copper	17	0.700	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Copper	18	0.700	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Copper	18	0.700	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Copper	31	0.700	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Copper	29	0.700	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Copper	25	0.700	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Copper	24	0.700	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Copper	24	0.700	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Copper	24	0.700	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Copper	24	0.700	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Copper	38	0.700	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Nickel	34	0.500	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Nickel	280	0.500	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Nickel	27	0.500	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Nickel	24	0.500	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Nickel	46	0.500	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Nickel	25	0.500	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Nickel	15	0.500	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Nickel	16	0.019	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Nickel	14	0.019	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Nickel	11	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Nickel	35	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Nickel	38	0.019	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Nickel	22	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Nickel	48	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Nickel	180	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Nickel	59	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Nickel	44	0.019	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Nickel	39	0.019	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Nickel	34	0.019	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Nickel	30	0.019	mg/kg

soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Nickel	72	0.019	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Selenium	2.4	0.040	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Selenium	150	0.040	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Selenium	0.88	0.040	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Selenium	1	0.040	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Selenium	6.6	0.040	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Selenium	0.99	0.040	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Selenium	0.92	0.040	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Selenium	1.5	0.040	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Selenium	1	0.040	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Selenium	3.6	0.040	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Selenium	1.3	0.040	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Selenium	1.5	0.040	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Selenium	1.7	0.040	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Selenium	1.3	0.040	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Selenium	2.5	0.040	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Selenium	1.7	0.040	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Selenium	1.7	0.040	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Selenium	1.7	0.040	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Selenium	4.7	0.040	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Selenium	4.4	0.040	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Selenium	29	0.040	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Vanadium	72	0.160	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Vanadium	500	0.160	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Vanadium	74	0.160	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Vanadium	68	0.160	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Vanadium	98	0.160	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Vanadium	59	0.160	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Vanadium	40	0.160	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Vanadium	15	3.100	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Vanadium	22	3.100	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Vanadium	16	3.100	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Vanadium	51	3.100	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Vanadium	50	3.100	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Vanadium	54	3.100	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Vanadium	75	3.100	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Vanadium	66	3.100	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Vanadium	66	3.100	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Vanadium	61	3.100	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Vanadium	63	3.100	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Vanadium	69	3.100	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Vanadium	66	3.100	mg/kg

soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Vanadium	140	3.100	mg/kg
soil	001	Rasmussen Mine Unit 4 Site (001)	IMP	SL-001	Zinc	140	0.140	mg/kg
soil	002	Rasmussen Mine Unit 4 Site (002)	IMP	SL-002	Zinc	1400	0.140	mg/kg
soil	003	Blackfoot River Wildlife Management Area (003)	IMP	SL-003	Zinc	150	0.140	mg/kg
soil	004	Blackfoot River Wildlife Management Area (004)	IMP	SL-004	Zinc	130	0.140	mg/kg
soil	005	Lower Mill Creek Canyon	IMP	SL-005	Zinc	190	0.140	mg/kg
soil	006	Mill Creek (East)	IMP	SL-006	Zinc	110	0.140	mg/kg
soil	008	Blackfoot River Wildlife Management Area	IMP	SL-008	Zinc	66	0.140	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-1	Zinc	33	0.540	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-2	Zinc	52	0.540	mg/kg
soil	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501SSST026-3	Zinc	37	0.540	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-1	Zinc	110	0.540	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-2	Zinc	110	0.540	mg/kg
soil	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801SSST076-3	Zinc	110	0.540	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-1	Zinc	180	0.540	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-2	Zinc	150	0.540	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Zinc	140	0.540	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Zinc	130	0.540	mg/kg
soil	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801SSST130-3	Zinc	130	0.540	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-1	Zinc	140	0.540	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-2	Zinc	150	0.540	mg/kg
soil	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101SSST227-3	Zinc	370	0.540	mg/kg

Notes: [1] All units reported on a dry weight basis

A-14 Background Upland Soils

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Cadmium	1	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Cadmium	0.76	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Cadmium	0.87	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Cadmium	0.89	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Cadmium	0.86	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Cadmium	0.71	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Cadmium	0.71	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Cadmium	0.57	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Cadmium	0.69	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Cadmium	0.73	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Cadmium	0.69	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Cadmium	13	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Cadmium	13	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Cadmium	14	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Chromium	23	0.075	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Chromium	21	0.075	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Chromium	22	0.075	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Chromium	22	0.075	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Chromium	24	0.075	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Chromium	44	0.075	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Chromium	40	0.075	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Chromium	38	0.075	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Chromium	35	0.075	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Chromium	35	0.075	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Chromium	33	0.075	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Chromium	130	0.075	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Chromium	98	0.075	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Chromium	100	0.075	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Copper	10	0.700	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Copper	9.6	0.700	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Copper	9.8	0.700	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Copper	9.8	0.700	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Copper	10	0.700	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Copper	31	0.700	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Copper	28	0.700	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Copper	32	0.700	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Copper	21	0.700	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Copper	18	0.700	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Copper	19	0.700	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Copper	17	0.700	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Copper	16	0.700	mg/kg

soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Copper	15	0.700	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Nickel	12	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Nickel	12	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Nickel	13	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Nickel	13	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Nickel	13	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Nickel	30	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Nickel	31	0.019	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Nickel	24	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Nickel	22	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Nickel	21	0.019	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Nickel	21	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Nickel	47	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Nickel	46	0.019	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Nickel	40	0.019	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Selenium	0.47	0.040	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Selenium	0.41	0.040	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Selenium	0.41	0.040	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Selenium	0.47	0.040	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Selenium	0.45	0.040	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Selenium		0.040	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Selenium	0.73	0.040	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Selenium	0.85	0.040	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Selenium	0.78	0.040	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Selenium	0.61	0.040	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Selenium	0.63	0.040	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Selenium	3.3	0.040	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Selenium	2.5	0.040	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Selenium	2.8	0.040	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Vanadium	27	3.100	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Vanadium	25	3.100	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Vanadium	29	3.100	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Vanadium	29	3.100	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Vanadium	31	3.100	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Vanadium	51	3.100	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Vanadium	54	3.100	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Vanadium	51	3.100	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Vanadium	46	3.100	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Vanadium	46	3.100	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Vanadium	44	3.100	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Vanadium	82	3.100	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Vanadium	78	3.100	mg/kg

soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Vanadium	100	3.100	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-1	Zinc	53	0.540	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-2	Zinc	40	0.540	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Zinc	50	0.540	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Zinc	51	0.540	mg/kg
soil	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401SSBB004-3	Zinc	53	0.540	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-1	Zinc	100	0.540	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-2	Zinc	97	0.540	mg/kg
soil	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001SSBB005-3	Zinc	110	0.540	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-1	Zinc	100	0.540	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-2	Zinc	100	0.540	mg/kg
soil	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401SSBB006-3	Zinc	98	0.540	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-1	Zinc	660	0.540	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-2	Zinc	530	0.540	mg/kg
soil	BB007	Phosphoria Outcrop near Timber Creek	BG	090301SSBB007-3	Zinc	470	0.540	mg/kg

Notes: [1] All units reported on a dry weight basis

A-15 Background Terrestrial Invertebrate

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Cadmium	890	5.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Cadmium	93	5.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Cadmium	230	5.00	ug/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Cadmium	6500	5.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Cadmium	12000	5.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Cadmium	8400	5.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Cadmium	8100	5.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Cadmium	8400	5.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Cadmium	8500	5.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Cadmium	5400	5.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Cadmium	5200	5.00	ug/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Cadmium	2500	5.00	ug/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Chromium	10000	20.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Chromium	2500	20.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Chromium	3600	20.00	ug/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Chromium	10000	20.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Chromium	5800	20.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Chromium	5800	20.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Chromium	6000	20.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Chromium	6200	20.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Chromium	5600	20.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Chromium	7100	20.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Chromium	7800	20.00	ug/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Chromium	10000	20.00	ug/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Copper	44000	50.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Copper	34000	50.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Copper	28000	50.00	ug/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Copper	1000	50.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Copper	1800	50.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Copper	1800	50.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Copper	2000	50.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Copper	1900	50.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Copper	1900	50.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Copper	1300	50.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Copper	1300	50.00	ug/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Copper	910	50.00	ug/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Nickel	5700	10.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Nickel	1100	10.00	ug/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Nickel	1600	10.00	ug/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Nickel	1900	10.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Nickel	3400	10.00	ug/kg

worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Nickel	3400	10.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Nickel	3400	10.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Nickel	3700	10.00	ug/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Nickel	3600	10.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Nickel	2400	10.00	ug/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Nickel	2300	10.00	ug/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Nickel	2700	10.00	ug/kg
insect	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101TIST153-1	Selenium	4.1	0.04	mg/kg
insect	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101TIST153-2	Selenium	1.9	0.04	mg/kg
insect	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101TIST153-3	Selenium	3.3	0.04	mg/kg
insect	ST237	Timber Creek, above Diamond Creek	BG	090301TIST237-1	Selenium	1.8	0.04	mg/kg
insect	ST237	Timber Creek, above Diamond Creek	BG	090301TIST237-2	Selenium	1.8	0.04	mg/kg
insect	ST237	Timber Creek, above Diamond Creek	BG	090301TIST237-3	Selenium	0.94	0.04	mg/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Selenium	0.67	0.04	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Selenium	0.6	0.04	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-2	Selenium	2.1	0.04	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Selenium	0.58	0.04	mg/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Selenium	4.6	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Selenium	28	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Selenium	28	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Selenium	18	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Selenium	17	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Selenium	21	0.04	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Selenium	21	0.04	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Selenium	11	0.04	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Selenium	12	0.04	mg/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Selenium	3	0.04	mg/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Vanadium	1.5	0.16	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Vanadium	0.63	0.16	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Vanadium	2	0.16	mg/kg
worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Vanadium	21	0.16	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Vanadium	26	0.16	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Vanadium	25	0.16	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Vanadium	24	0.16	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Vanadium	30	0.16	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Vanadium	31	0.16	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Vanadium	23	0.16	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Vanadium	24	0.16	mg/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Vanadium	13	0.16	mg/kg
insect	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801TIST049-1/2	Zinc	140	0.14	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-1	Zinc	120	0.14	mg/kg
insect	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801TIST235-3	Zinc	120	0.14	mg/kg

worm	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101EWST153-2	Zinc	170	0.14	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-1	Zinc	370	0.14	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Zinc	270	0.14	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-2	Zinc	290	0.14	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Zinc	240	0.14	mg/kg
worm	ST237	Timber Creek, above Diamond Creek	BG	090301EWST237-3	Zinc	260	0.14	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Zinc	220	0.14	mg/kg
worm	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801EWST049-2	Zinc	190	0.14	mg/kg
worm	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801EWST235-1	Zinc	100	0.14	mg/kg

Notes: [1] All units reported on a dry weight basis

A-16 Impacted Terrestrial Invertebrates

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Cadmium	5600	5.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Cadmium	5600	5.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Cadmium	7300	5.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Cadmium	1900	5.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Cadmium	1500	5.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Cadmium	4200	5.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Cadmium	1700	5.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Cadmium	1500	5.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Cadmium	1500	5.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Cadmium	4500	5.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Cadmium	5000	5.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Cadmium	4600	5.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Cadmium	7000	5.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Cadmium	2500	5.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Cadmium	1100	5.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Cadmium	1700	5.0	ug/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Cadmium	1500	5.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Cadmium	1400	5.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Cadmium	1900	5.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Cadmium	3600	5.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Cadmium	370	5.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Cadmium	360	5.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Cadmium	27000	5.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Cadmium	8000	5.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Cadmium	8700	5.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Cadmium	12000	5.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Cadmium	10000	5.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Cadmium	34000	5.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Cadmium	70000	5.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Cadmium	61000	5.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Chromium	8200	20.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Chromium	11000	20.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Chromium	4900	20.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Chromium	8500	20.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Chromium	14000	20.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Chromium	9700	20.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Chromium	4200	20.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Chromium	3100	20.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Chromium	3600	20.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Chromium	2900	20.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Chromium	2500	20.0	ug/kg

insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Chromium	3200	20.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Chromium	4700	20.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Chromium	3600	20.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Chromium	5400	20.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Chromium	11000	20.0	ug/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Chromium	9100	20.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Chromium	2400	20.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Chromium	2700	20.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Chromium	3300	20.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Chromium	3100	20.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Chromium	2300	20.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Chromium	14000	20.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Chromium	7000	20.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Chromium	6000	20.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Chromium	7100	20.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Chromium	12000	20.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Chromium	13000	20.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Chromium	23000	20.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Chromium	26000	20.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Copper	11000	50.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Copper	10000	50.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Copper	14000	50.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Copper	20000	50.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Copper	14000	50.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Copper	22000	50.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Copper	16000	50.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Copper	13000	50.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Copper	13000	50.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Copper	43000	50.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Copper	49000	50.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Copper	43000	50.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Copper	44000	50.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Copper	28000	50.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Copper	29000	50.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Copper	24000	50.0	ug/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Copper	13000	50.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Copper	33000	50.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Copper	23000	50.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Copper	37000	50.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Copper	33000	50.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Copper	40000	50.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Copper	3100	50.0	ug/kg

worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Copper	1300	50.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Copper	2600	50.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Copper	1500	50.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Copper	2600	50.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Copper	2100	50.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Copper	2300	50.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Copper	2900	50.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Nickel	3000	10.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Nickel	3800	10.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Nickel	2100	10.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Nickel	2600	10.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Nickel	4300	10.0	ug/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Nickel	3500	10.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Nickel	1500	10.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Nickel	840	10.0	ug/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Nickel	830	10.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Nickel	8700	10.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Nickel	8700	10.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Nickel	9000	10.0	ug/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Nickel	12000	10.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Nickel	1400	10.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Nickel	3000	10.0	ug/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Nickel	5100	10.0	ug/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Nickel	5200	10.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Nickel	1000	10.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Nickel	1100	10.0	ug/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Nickel	1300	10.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Nickel	2400	10.0	ug/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Nickel	970	10.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Nickel	5800	10.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Nickel	2100	10.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Nickel	2100	10.0	ug/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Nickel	2200	10.0	ug/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Nickel	5000	10.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Nickel	5000	10.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Nickel	5400	10.0	ug/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Nickel	6000	10.0	ug/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Selenium	30	0.0	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Selenium	29	0.0	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Selenium	30	0.0	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Selenium	7.9	0.0	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Selenium	12	0.0	mg/kg

insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Selenium	10	0.0	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Selenium	2.5	0.0	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Selenium	4.4	0.0	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Selenium	3	0.0	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Selenium	13	0.0	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Selenium	12	0.0	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Selenium	18	0.0	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Selenium	29	0.0	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Selenium	2	0.0	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Selenium	1.6	0.0	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Selenium	6	0.0	mg/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-1	Selenium	4.4	0.0	mg/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Selenium	3.8	0.0	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Selenium	13	0.0	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Selenium	14	0.0	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Selenium	11	0.0	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Selenium	1.8	0.0	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Selenium	1.3	0.0	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-3	Selenium	2.4	0.0	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Selenium	44	0.0	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Selenium	30	0.0	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Selenium	41	0.0	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Selenium	42	0.0	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-2	Selenium	41	0.0	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Selenium	80	0.0	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Selenium	120	0.0	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Selenium	180	0.0	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Selenium	260	0.0	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Vanadium	3.8	0.2	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Vanadium	7	0.2	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Vanadium	2.4	0.2	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Vanadium	3	0.2	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Vanadium	4	0.2	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Vanadium	3.1	0.2	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Vanadium	1.1	0.2	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Vanadium	1.4	0.2	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Vanadium	1.8	0.2	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Vanadium	0.54	0.2	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Vanadium	0.37	0.2	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Vanadium	0.22	0.2	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Vanadium	0.3	0.2	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Vanadium	1.1	0.2	mg/kg

insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Vanadium	0.56	0.2	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Vanadium	1	0.2	mg/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Vanadium	4.3	0.2	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Vanadium	0.4	0.2	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Vanadium	0.3	0.2	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Vanadium	0.37	0.2	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Vanadium	2.1	0.2	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Vanadium	0.46	0.2	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Vanadium	28	0.2	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Vanadium	9.4	0.2	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Vanadium	6.5	0.2	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Vanadium	12	0.2	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Vanadium	33	0.2	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Vanadium	31	0.2	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Vanadium	47	0.2	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Vanadium	62	0.2	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-1	Zinc	200	0.1	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-2	Zinc	230	0.1	mg/kg
insect	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301TIWD081-2-3	Zinc	240	0.1	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-1	Zinc	180	0.1	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-2	Zinc	200	0.1	mg/kg
insect	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401TIWD086-2-3	Zinc	200	0.1	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-1	Zinc	190	0.1	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-2	Zinc	180	0.1	mg/kg
insect	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501TIST026-3	Zinc	200	0.1	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Zinc	270	0.1	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-1	Zinc	270	0.1	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-2	Zinc	270	0.1	mg/kg
insect	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701TIWD062-1-3	Zinc	290	0.1	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-1	Zinc	150	0.1	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-2	Zinc	160	0.1	mg/kg
insect	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801TIST130-3	Zinc	140	0.1	mg/kg
insect	WD053-2	Champ Mine Extension Dump	Nu-West	082901TIWD053-2-3	Zinc	180	0.1	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-1	Zinc	190	0.1	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-2	Zinc	180	0.1	mg/kg
insect	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101TIST227-3	Zinc	220	0.1	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-1	Zinc	170	0.1	mg/kg
insect	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801TIST076-2	Zinc	180	0.1	mg/kg
worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082101EWST130-1	Zinc	280	0.1	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-1	Zinc	290	0.1	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-2	Zinc	300	0.1	mg/kg
worm	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501EWST026-3	Zinc	240	0.1	mg/kg

worm	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801EWST130-3	Zinc	200	0.1	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-1	Zinc	330	0.1	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-2	Zinc	400	0.1	mg/kg
worm	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101EWST227-3	Zinc	360	0.1	mg/kg

Notes: [1] All units reported on a dry weight basis

A-17 Background Terrestrial Plant Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Cadmium	61	5.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Cadmium	70	5.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Cadmium	62	5.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Cadmium	340	5.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Cadmium	130	5.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Cadmium	370	5.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Cadmium	300	5.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Cadmium	870	5.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Cadmium	3700	5.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Cadmium	270	5.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Cadmium	210	5.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Cadmium	200	5.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Cadmium	210	5.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Cadmium	350	5.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Cadmium	580	5.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Cadmium	420	5.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Cadmium	250	5.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Cadmium	98	5.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Cadmium	300	5.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Cadmium	110	5.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Cadmium	140	5.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Cadmium	1800	5.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Cadmium	240	5.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Cadmium	89	5.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Cadmium	81	5.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Cadmium	100	5.0	ug/kg
veg	007	Diamond Creek	BG	VG-007	Cadmium	0.19	0.1	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Cadmium	2.2	0.1	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Cadmium	0.65	0.1	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Cadmium	0.6	0.1	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Chromium	550	20.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Chromium	630	20.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Chromium	660	20.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Chromium	670	20.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Chromium	930	20.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Chromium	1600	20.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Chromium	2000	20.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Chromium	1400	20.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Chromium	1400	20.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Chromium	1600	20.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Chromium	1700	20.0	ug/kg

veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Chromium	1700	20.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Chromium	1400	20.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Chromium	1600	20.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Chromium	2500	20.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Chromium	1700	20.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Chromium	2000	20.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Chromium	1700	20.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Chromium	1500	20.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Chromium	1300	20.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Chromium	1500	20.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Chromium	9900	20.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Chromium	1900	20.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Chromium	1800	20.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Chromium	2000	20.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Chromium	2100	20.0	ug/kg
veg	007	Diamond Creek	BG	VG-007	Chromium	0.75	0.1	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Chromium	0.9	0.1	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Chromium	0.55	0.1	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Chromium	2.8	0.1	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Copper	7800	50.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Copper	5500	50.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Copper	4200	50.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Copper	3100	50.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Copper	4700	50.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Copper	10000	50.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Copper	4100	50.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Copper	7400	50.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Copper	7900	50.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Copper	4300	50.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Copper	4100	50.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Copper	4100	50.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Copper	4000	50.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Copper	4600	50.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Copper	4300	50.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Copper	4200	50.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Copper	3800	50.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Copper	4000	50.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Copper	6400	50.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Copper	3800	50.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Copper	3800	50.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Copper	3000	50.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Copper	4300	50.0	ug/kg

veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Copper	4000	50.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Copper	4000	50.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Copper	5000	50.0	ug/kg
veg	007	Diamond Creek	BG	VG-007	Copper	10	0.2	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Copper	7.3	0.2	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Copper	15	0.2	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Copper	4.7	0.2	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Nickel	610	10.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Nickel	630	10.0	ug/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Nickel	610	10.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Nickel	590	10.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Nickel	1000	10.0	ug/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Nickel	1500	10.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Nickel	320	10.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Nickel	500	10.0	ug/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Nickel	700	10.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Nickel	440	10.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Nickel	470	10.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Nickel	450	10.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Nickel	400	10.0	ug/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Nickel	550	10.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Nickel	650	10.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Nickel	370	10.0	ug/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Nickel	490	10.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Nickel	240	10.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Nickel	510	10.0	ug/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Nickel	240	10.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Nickel	280	10.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Nickel	1900	10.0	ug/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Nickel	450	10.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Nickel	510	10.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Nickel	480	10.0	ug/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Nickel	480	10.0	ug/kg
veg	007	Diamond Creek	BG	VG-007	Nickel	4.3	0.2	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Nickel	2.3	0.2	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Nickel	1.8	0.2	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Nickel	2.1	0.2	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Selenium	0.11	0.0	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Selenium	0.12	0.0	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Selenium	0.1	0.0	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Selenium	0.55	0.0	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Selenium	0.3	0.0	mg/kg

veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Selenium	0.75	0.0	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Selenium	0.32	0.0	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Selenium	0.42	0.0	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Selenium	0.38	0.0	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Selenium	0.23	0.0	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Selenium	0.18	0.0	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Selenium	0.19	0.0	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Selenium	0.19	0.0	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Selenium	0.32	0.0	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Selenium	0.099	0.0	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Selenium	0.052	0.0	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Selenium	0.12	0.0	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Selenium	0.2	0.0	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Selenium	0.14	0.0	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Selenium	0.21	0.0	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Selenium	0.2	0.0	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Selenium	0.23	0.0	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Selenium	0.16	0.0	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Selenium	0.16	0.0	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Selenium	0.27	0.0	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Selenium	0.097	0.0	mg/kg
veg	007	Diamond Creek	BG	VG-007	Selenium	0.16	0.0	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Selenium	0.46	0.0	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Selenium	0.24	0.0	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Selenium	0.21	0.0	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Vanadium	0.53	0.2	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Vanadium	0.3	0.2	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Vanadium	0.46	0.2	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Vanadium	0.92	0.2	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Vanadium	0.55	0.2	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Vanadium	1.4	0.2	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Vanadium	0.25	0.2	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Vanadium	BDL	0.2	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Vanadium	BDL	0.2	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Vanadium	0.41	0.2	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Vanadium	0.57	0.2	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Vanadium	0.55	0.2	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Vanadium	0.31	0.2	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Vanadium	0.66	0.2	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Vanadium	BDL	0.2	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Vanadium	0.26	0.2	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Vanadium	0.18	0.2	mg/kg

veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Vanadium	BDL	0.2	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Vanadium	0.19	0.2	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Vanadium	BDL	0.2	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Vanadium	0.19	0.2	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Vanadium	5.5	0.2	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Vanadium	0.41	0.2	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Vanadium	0.82	0.2	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Vanadium	0.71	0.2	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Vanadium	0.76	0.2	mg/kg
veg	007	Diamond Creek	BG	VG-007	Vanadium	0.73	0.2	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Vanadium	0.92	0.2	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Vanadium	0.68	0.2	mg/kg
veg	011	No Name Creek above mining	BG	VG-011	Vanadium	1.9	0.2	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-1	Zinc	20	0.1	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-2	Zinc	16	0.1	mg/kg
veg	BB005	Phosphoria Outcrop west of Slug Valley	BG	083001VEBB005-3	Zinc	19	0.1	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-1	Zinc	28	0.1	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-2	Zinc	19	0.1	mg/kg
veg	ST153	Diamond Creek Upstream of Kendall Creek	BG	083101VEST153-3	Zinc	40	0.1	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-1	Zinc	32	0.1	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-2	Zinc	46	0.1	mg/kg
veg	BB007	Phosphoria Outcrop near Timber Creek	BG	090301VEBB007-3	Zinc	82	0.1	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-1	Zinc	29	0.1	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Zinc	21	0.1	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Zinc	21	0.1	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-2	Zinc	21	0.1	mg/kg
veg	ST237	Timber Creek, above Diamond Creek	BG	090301VEST237-3	Zinc	37	0.1	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-1	Zinc	21	0.1	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-2	Zinc	19	0.1	mg/kg
veg	BB004	Phosphoria Outcrop near Wood Canyon Road	BG	090401VEBB004-3	Zinc	14	0.1	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-1	Zinc	25	0.1	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-2	Zinc	45	0.1	mg/kg
veg	BB006	Phosphoria Outcrop near Stewart Creek	BG	090401VEBB006-3	Zinc	23	0.1	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-1	Zinc	24	0.1	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-2	Zinc	66	0.1	mg/kg
veg	ST049	Little Blackfoot River Upstream of Reese Creek	BG	090801VEST049-3	Zinc	29	0.1	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-1	Zinc	23	0.1	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-2	Zinc	20	0.1	mg/kg
veg	ST235	Meadow Creek, above Blackfoot Reservoir	BG	090801VEST235-3	Zinc	24	0.1	mg/kg
veg	007	Diamond Creek	BG	VG-007	Zinc	25	0.1	mg/kg
veg	009	No Name Creek above mining	BG	VG-009	Zinc	140	0.1	mg/kg
veg	010	No Name Creek above mining	BG	VG-010	Zinc	39	0.1	mg/kg

veg	011	No Name Creek above mining	BG	VG-011	Zinc	23	0.1	mg/kg

Notes: [1] All units reported on a dry weight basis
BDL = Below Detection Limit

A-18 Impacted Terrestrial Plant Data

MATRIX	STATION ID	STATION NAME	STA Type	SAMPLE ID	ANALYTE	RESULT	MDL	UNITS[1]
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Cadmium	1300	5.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Cadmium	1400	5.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Cadmium	1400	5.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Cadmium	1300	5.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Cadmium	1100	5.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Cadmium	940	5.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Cadmium	1500	5.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Cadmium	1800	5.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Cadmium	270	5.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Cadmium	170	5.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Cadmium	110	5.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Cadmium	1600	5.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Cadmium	1200	5.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Cadmium	1600	5.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Cadmium	1400	5.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Cadmium	1400	5.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Cadmium	280	5.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Cadmium	180	5.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Cadmium	370	5.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Cadmium	370	5.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Cadmium	1400	5.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Cadmium	1700	5.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Cadmium	170	5.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Cadmium	190	5.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Cadmium	170	5.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Cadmium	250	5.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Cadmium	380	5.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Cadmium	180	5.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Cadmium	170	5.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Cadmium	170	5.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Cadmium	230	5.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Cadmium	240	5.00	ug/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Cadmium	3.5	0.10	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Cadmium	46	0.10	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Cadmium	0.48	0.10	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Cadmium	0.55	0.10	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Cadmium	3.7	0.10	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Cadmium	0.34	0.10	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Cadmium	2.4	0.10	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Chromium	1200	20.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Chromium	990	20.00	ug/kg

veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Chromium	910	20.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Chromium	930	20.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Chromium	910	20.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Chromium	740	20.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Chromium	5700	20.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Chromium	3700	20.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Chromium	1100	20.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Chromium	1200	20.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Chromium	1500	20.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Chromium	690	20.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Chromium	740	20.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Chromium	810	20.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Chromium	570	20.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Chromium	560	20.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Chromium	1100	20.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Chromium	930	20.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Chromium	830	20.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Chromium	830	20.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Chromium	1600	20.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Chromium	1700	20.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Chromium	1700	20.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Chromium	1800	20.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Chromium	1600	20.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Chromium	1400	20.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Chromium	2800	20.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Chromium	1600	20.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Chromium	1800	20.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Chromium	1800	20.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Chromium	1600	20.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Chromium	1700	20.00	ug/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Chromium	5.4	0.09	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Chromium	0.56	0.09	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Chromium	1.2	0.09	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Chromium	4.7	0.09	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Chromium	0.48	0.09	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Chromium	0.58	0.09	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Chromium	0.72	0.09	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Copper	7100	50.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Copper	5000	50.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Copper	5000	50.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Copper	4600	50.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Copper	4100	50.00	ug/kg

veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Copper	3700	50.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Copper	6800	50.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Copper	5900	50.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Copper	3900	50.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Copper	3900	50.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Copper	5400	50.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Copper	4000	50.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Copper	4600	50.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Copper	4100	50.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Copper	4100	50.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Copper	3800	50.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Copper	5800	50.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Copper	4300	50.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Copper	7400	50.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Copper	5400	50.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Copper	5600	50.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Copper	5500	50.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Copper	3500	50.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Copper	3600	50.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Copper	3500	50.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Copper	4000	50.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Copper	3400	50.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Copper	4600	50.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Copper	4700	50.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Copper	4400	50.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Copper	4400	50.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Copper	4800	50.00	ug/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Copper	14	0.15	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Copper	9.3	0.15	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Copper	6.1	0.15	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Copper	8.4	0.15	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Copper	7.4	0.15	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Copper	12	0.15	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Copper	9.3	0.15	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Nickel	2800	10.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Nickel	2000	10.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Nickel	1900	10.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Nickel	1800	10.00	ug/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Nickel	2100	10.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Nickel	1800	10.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Nickel	4500	10.00	ug/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Nickel	4000	10.00	ug/kg

veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Nickel	760	10.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Nickel	780	10.00	ug/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Nickel	820	10.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Nickel	3500	10.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Nickel	4000	10.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Nickel	5100	10.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Nickel	4700	10.00	ug/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Nickel	4700	10.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Nickel	1100	10.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Nickel	930	10.00	ug/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Nickel	910	10.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Nickel	1700	10.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Nickel	2700	10.00	ug/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Nickel	3700	10.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Nickel	380	10.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Nickel	370	10.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Nickel	380	10.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Nickel	490	10.00	ug/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Nickel	1400	10.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Nickel	350	10.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Nickel	360	10.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Nickel	350	10.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Nickel	580	10.00	ug/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Nickel	700	10.00	ug/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Nickel	3.5	0.20	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Nickel	8.6	0.20	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Nickel	1.4	0.20	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Nickel	2.8	0.20	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Nickel	2.1	0.20	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Nickel	1.4	0.20	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Nickel	3.5	0.20	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Selenium	39	0.04	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Selenium	9.4	0.04	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Selenium	9	0.04	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Selenium	8.9	0.04	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Selenium	26	0.04	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Selenium	4.4	0.04	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Selenium	7.5	0.04	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Selenium	4.7	0.04	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Selenium	0.35	0.04	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Selenium	0.89	0.04	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Selenium	0.99	0.04	mg/kg

veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Selenium	1.5	0.04	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Selenium	2.4	0.04	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Selenium	19	0.04	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Selenium	17	0.04	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Selenium	20	0.04	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Selenium	1.1	0.04	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Selenium	0.88	0.04	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Selenium	1.1	0.04	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Selenium	1.7	0.04	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Selenium	1.3	0.04	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Selenium	2.5	0.04	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Selenium	4.3	0.04	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Selenium	3.2	0.04	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Selenium	4.2	0.04	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Selenium	12	0.04	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Selenium	19	0.04	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Selenium	0.5	0.04	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Selenium	0.52	0.04	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Selenium	0.51	0.04	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Selenium	0.73	0.04	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Selenium	0.59	0.04	mg/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Selenium	1.2	0.04	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Selenium	18	0.04	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Selenium	0.09	0.04	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Selenium	0.22	0.04	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Selenium	9.4	0.04	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Selenium	3.9	0.04	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Selenium	0.38	0.04	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Vanadium	0.8	0.16	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Vanadium	0.78	0.16	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Vanadium	0.8	0.16	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Vanadium	0.76	0.16	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Vanadium	0.74	0.16	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Vanadium	0.76	0.16	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Vanadium	2.2	0.16	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Vanadium	2.1	0.16	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Vanadium	1	0.16	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Vanadium	1	0.16	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Vanadium	0.98	0.16	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Vanadium	0.73	0.16	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Vanadium	0.34	0.16	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Vanadium	0.46	0.16	mg/kg

veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Vanadium	1	0.16	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Vanadium	0.65	0.16	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Vanadium	1	0.16	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Vanadium	1	0.16	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Vanadium	0.7	0.16	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Vanadium	0.3	0.16	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Vanadium	1.1	0.16	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Vanadium	0.88	0.16	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Vanadium		0.16	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Vanadium		0.16	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Vanadium	0.35	0.16	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Vanadium	0.21	0.16	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Vanadium	1.6	0.16	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Vanadium	0.37	0.16	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Vanadium		0.16	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Vanadium	0.47	0.16	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Vanadium	0.68	0.16	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Vanadium	0.38	0.16	mg/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Vanadium	3	0.16	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Vanadium	1	0.16	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Vanadium	1	0.16	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Vanadium	5.3	0.16	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Vanadium	0.52	0.16	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Vanadium	0.67	0.16	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Vanadium	0.72	0.16	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-1	Zinc	82	0.14	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Zinc	70	0.14	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Zinc	72	0.14	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-2	Zinc	72	0.14	mg/kg
veg	WD081-2	Ballard Mine Pit #1 Overburden Dump #2	Monsanto	082301VEWD081-2-3	Zinc	37	0.14	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-1	Zinc	36	0.14	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-2	Zinc	56	0.14	mg/kg
veg	WD086-2	Henry Mine Center Pit #1 Overburden Dump	Monsanto	082401VEWD086-2-3	Zinc	41	0.14	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-1	Zinc	31	0.14	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-2	Zinc	28	0.14	mg/kg
veg	ST026	Blackfoot River Upstream of Wooley Range Ridge Creek	IMP	082501VEST026-3	Zinc	22	0.14	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-1	Zinc	91	0.14	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-2	Zinc	120	0.14	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Zinc	72	0.14	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Zinc	82	0.14	mg/kg
veg	WD062-1	Conda Mine Middle Limb North Waste Dump	Simplot	082701VEWD062-1-3	Zinc	69	0.14	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-1	Zinc	31	0.14	mg/kg

veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-2	Zinc	26	0.14	mg/kg
veg	ST130	Angus Creek, below Upper Angus Creek Reservoir	IMP	082801VEST130-3	Zinc	33	0.14	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-1	Zinc	32	0.14	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-2	Zinc	31	0.14	mg/kg
veg	WD053-2	Champ Mine Extension Dump	Nu-West	082901VEWD053-2-3	Zinc	32	0.14	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Zinc	20	0.14	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Zinc	22	0.14	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	083101VEST227-1	Zinc	21	0.14	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-2	Zinc	23	0.14	mg/kg
veg	ST227	East Mill Creek At Fish Sampling Reach	IMP	090101VEST227-3	Zinc	29	0.14	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Zinc	27	0.14	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Zinc	29	0.14	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-1	Zinc	26	0.14	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-2	Zinc	27	0.14	mg/kg
veg	ST076	Trail Creek Upstream of Blackfoot River	IMP	090801VEST076-3	Zinc	33	0.14	mg/kg
veg	001	Rasmussen Mine Unit 4 Site (001)	IMP	VG-001	Zinc	40	0.14	mg/kg
veg	002	Rasmussen Mine Unit 4 Site (002)	IMP	VG-002	Zinc	790	0.14	mg/kg
veg	003	Blackfoot River Wildlife Management Area (003)	IMP	VG-003	Zinc	36	0.14	mg/kg
veg	004	Blackfoot River Wildlife Management Area (004)	IMP	VG-004	Zinc	44	0.14	mg/kg
veg	005	Lower Mill Creek Canyon	IMP	VG-005	Zinc	160	0.14	mg/kg
veg	006	Mill Creek (East)	IMP	VG-006	Zinc	28	0.14	mg/kg
veg	008	Blackfoot River Wildlife Management Area	IMP	VG-008	Zinc	160	0.14	mg/kg

Notes: [1] All units reported on a dry weight basis

A-19 Background Small Mammal Data

Matrix	Matrix_detail	Station ID	Sample ID	Analyte	Result	MDL	Units[1]	Date	LAB	Type
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Cadmium	39	2	ug/kg	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Cadmium	950	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Cadmium	990	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Cadmium	950	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Cadmium	BDL	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Cadmium	8.7	2	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Cadmium	15	2	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Cadmium	17	2	ug/kg	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Cadmium	15	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Cadmium	29	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Cadmium	160	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Cadmium	320	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Cadmium	220	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Cadmium	51	2	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Cadmium	23	2	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Cadmium	100	2	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Cadmium	91	2	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Cadmium	100	2	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Cadmium	11	2	ug/kg	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Cadmium	17	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Cadmium	5.2	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Cadmium	9.9	2	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Cadmium	13	2	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Cadmium	15	2	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Cadmium	5.7	2	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Cadmium	17	2	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Cadmium	39	2	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Cadmium	25	2	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Chromium	650	10	ug/kg	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Chromium	510	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Chromium	440	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Chromium	520	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Chromium	370	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Chromium	480	10	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Chromium	490	10	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Chromium	500	10	ug/kg	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Chromium	600	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Chromium	440	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Chromium	310	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Chromium	500	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Chromium	420	10	ug/kg	31-Aug-01	U of Idaho	BG

Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Chromium	300	10	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Chromium	1100	10	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Chromium	450	10	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Chromium	620	10	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Chromium	440	10	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Chromium	600	10	ug/kg	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Chromium	410	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Chromium	460	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Chromium	460	10	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Chromium	300	10	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Chromium	380	10	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Chromium	270	10	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Chromium	530	10	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Chromium	390	10	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Chromium	550	10	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Copper	1700	13	ug/kg	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Copper	1700	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Copper	2000	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Copper	2000	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Copper	530	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Copper	820	13	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Copper	910	13	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Copper	890	13	ug/kg	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Copper	3400	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Copper	3400	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Copper	1400	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Copper	2300	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Copper	2000	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Copper	1300	13	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Copper	2400	13	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Copper	1200	13	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Copper	1000	13	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Copper	980	13	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Copper	1100	13	ug/kg	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Copper	800	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Copper	500	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Copper	790	13	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Copper	1700	13	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Copper	1600	13	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Copper	1000	13	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Copper	1100	13	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Copper	1500	13	ug/kg	30-Aug-01	U of Idaho	BG

Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Copper	1500	13	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Nickel	280	5	ug/kg	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Nickel	260	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Nickel	270	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Nickel	270	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Nickel	40	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Nickel	30	5	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Nickel	70	5	ug/kg	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Nickel	80	5	ug/kg	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Nickel	320	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Nickel	290	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Nickel	190	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Nickel	190	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Nickel	250	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Nickel	110	5	ug/kg	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Nickel	240	5	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Nickel	190	5	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Nickel	140	5	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Nickel	150	5	ug/kg	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Nickel	55	5	ug/kg	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Nickel	150	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Nickel	BDL	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Nickel	12	5	ug/kg	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Nickel	180	5	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Nickel	170	5	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Nickel	120	5	ug/kg	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Nickel	180	5	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Nickel	170	5	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Nickel	220	5	ug/kg	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Selenium	0.19	0.01	ug/g	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Selenium	0.4	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Selenium	0.33	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Selenium	0.43	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Selenium	0.4	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Selenium	0.18	0.01	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Selenium	0.2	0.01	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Selenium	0.36	0.01	ug/g	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Selenium	0.18	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Selenium	0.2	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Selenium	0.5	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Selenium	0.37	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Selenium	0.28	0.01	ug/g	31-Aug-01	U of Idaho	BG

Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Selenium	0.2	0.01	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Selenium	0.18	0.01	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Selenium	0.37	0.01	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Selenium	0.41	0.01	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Selenium	0.42	0.01	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Selenium	0.18	0.01	ug/g	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Selenium	2.1	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Selenium	0.46	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Selenium	0.97	0.01	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Selenium	0.15	0.01	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Selenium	0.15	0.01	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Selenium	0.27	0.01	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Selenium	0.28	0.01	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Selenium	0.27	0.01	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Selenium	0.29	0.01	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Vanadium	BDL	0.1	ug/g	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Vanadium	0.11	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Vanadium	0.11	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Vanadium	0.1	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Vanadium	BDL	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Vanadium	BDL	0.1	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Vanadium	BDL	0.1	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Vanadium	BDL	0.1	ug/g	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Vanadium	0.2	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Vanadium	0.29	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Vanadium	0.13	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Vanadium	0.1	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Vanadium	0.13	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Vanadium	BDL	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Vanadium	0.17	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Vanadium	0.17	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Vanadium	0.13	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Vanadium	0.17	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Vanadium	BDL	0.1	ug/g	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Vanadium	BDL	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Vanadium	BDL	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Vanadium	BDL	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Vanadium	0.17	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Vanadium	BDL	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Vanadium	BDL	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Vanadium	0.22	0.1	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Vanadium	BDL	0.1	ug/g	30-Aug-01	U of Idaho	BG

Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Vanadium	0.14	0.1	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082501MABB004-1-1	Zinc	33	0.1	ug/g	25-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Zinc	46	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Zinc	46	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	082901MABB004-1-2	Zinc	44	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB004	083101MABB004-1-3	Zinc	58	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-1	Zinc	18	0.1	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082701MABB005-1-2	Zinc	12	0.1	ug/g	27-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB005	082801MABB005-1-3	Zinc	21	0.1	ug/g	28-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-1	Zinc	19	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-2	Zinc	20	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB006	083101MABB006-1-3	Zinc	14	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-1	Zinc	43	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-2	Zinc	20	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	upland background small mammal tissue	BB007	083101MABB007-1-3	Zinc	22	0.1	ug/g	31-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090201MAST049-1-1	Zinc	36	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Zinc	18	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Zinc	17	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090401MAST049-1-2	Zinc	17	0.1	ug/g	04-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST049	090501MAST049-1-3	Zinc	9.2	0.1	ug/g	05-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-1	Zinc	13	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-2	Zinc	7.9	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST153	082901MAST153-1-3	Zinc	9.7	0.1	ug/g	29-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-1	Zinc	18	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-2	Zinc	18	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST235	090201MAST235-1-3	Zinc	11	0.1	ug/g	02-Sep-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-1	Zinc	10	0.1	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-2	Zinc	18	0.1	ug/g	30-Aug-01	U of Idaho	BG
Small Mammal Tissue	riparian small mammal tissue	ST237	083001MAST237-1-3	Zinc	16	0.1	ug/g	30-Aug-01	U of Idaho	BG

Notes: [1] All units reported on a wet weight basis
Dry weight concentration is typically 3-5 times greater than wet weight.

A-20 Impacted Small Mammal Data

Matrix	Matrix_detail	Station ID	Sample ID	Analyte	Result	MDL	Units[1]	Date	LAB	Type
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Cadmium	56	2	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Cadmium	32	2	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Cadmium	29	2	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Cadmium	27	2	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Cadmium	28	2	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Cadmium	4.6	2	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Cadmium	7.7	2	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Cadmium	13	2	ug/kg	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Cadmium	9.3	2	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Cadmium	11	2	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Cadmium	16	2	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Cadmium	10	2	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Cadmium	5.5	2	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Cadmium	28	2	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Cadmium	12	2	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Cadmium	11	2	ug/kg	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Cadmium	120	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Cadmium	120	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Cadmium	120	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Cadmium	52	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Cadmium	32	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Cadmium	48	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Cadmium	140	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Cadmium	58	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Cadmium	48	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Cadmium	110	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Cadmium	22	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Cadmium	20	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Cadmium	44	2	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Chromium	400	10	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Chromium	1000	10	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Chromium	730	10	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Chromium	710	10	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Chromium	580	10	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Chromium	750	10	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Chromium	790	10	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Chromium	490	10	ug/kg	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Chromium	600	10	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Chromium	680	10	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Chromium	520	10	ug/kg	29-Aug-01	U of Idaho	IMP

Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Chromium	1500	10	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Chromium	450	10	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Chromium	550	10	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Chromium	790	10	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Chromium	330	10	ug/kg	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Chromium	650	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Chromium	780	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Chromium	810	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Chromium	620	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Chromium	500	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Chromium	490	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Chromium	1000	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Chromium	400	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Chromium	650	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Chromium	740	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Chromium	530	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Chromium	540	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Chromium	580	10	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Copper	990	13	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Copper	1200	13	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Copper	1700	13	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Copper	1800	13	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Copper	1600	13	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Copper	660	13	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Copper	870	13	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Copper	1200	13	ug/kg	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Copper	1200	13	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Copper	1300	13	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Copper	1200	13	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Copper	750	13	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Copper	600	13	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Copper	1300	13	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Copper	810	13	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Copper	620	13	ug/kg	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Copper	1400	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Copper	1300	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Copper	1400	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Copper	1300	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Copper	1200	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Copper	930	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Copper	5100	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Copper	1100	13	ug/kg	22-Aug-01	U of Idaho	IMP

Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Copper	1000	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Copper	870	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Copper	1000	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Copper	1200	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Copper	1400	13	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Nickel	240	5	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Nickel	410	5	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Nickel	350	5	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Nickel	340	5	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Nickel	290	5	ug/kg	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Nickel	190	5	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Nickel	88	5	ug/kg	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Nickel	210	5	ug/kg	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Nickel	210	5	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Nickel	200	5	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Nickel	150	5	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Nickel	520	5	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Nickel	BDL	5	ug/kg	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Nickel	350	5	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Nickel	150	5	ug/kg	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Nickel	18	5	ug/kg	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Nickel	310	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Nickel	360	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Nickel	340	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Nickel	250	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Nickel	250	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Nickel	190	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Nickel	490	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Nickel	570	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Nickel	370	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Nickel	1600	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Nickel	210	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Nickel	180	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Nickel	310	5	ug/kg	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Selenium	0.69	0.01	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Selenium	0.22	0.01	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Selenium	0.19	0.01	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Selenium	0.2	0.01	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Selenium	0.22	0.01	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Selenium	0.43	0.01	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Selenium	0.27	0.01	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Selenium	0.23	0.01	ug/g	24-Aug-01	U of Idaho	IMP

Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Selenium	0.2	0.01	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Selenium	0.37	0.01	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Selenium	0.89	0.01	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Selenium	0.36	0.01	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Selenium	0.42	0.01	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Selenium	0.77	0.01	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Selenium	0.86	0.01	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Selenium	0.79	0.01	ug/g	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Selenium	4.3	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Selenium	4.2	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Selenium	4	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Selenium	2.2	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Selenium	7	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Selenium	2.4	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Selenium	5.2	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Selenium	3.6	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Selenium	4.4	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Selenium	4.8	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Selenium	0.99	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Selenium	1.1	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Selenium	0.94	0.01	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Vanadium	BDL	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Vanadium	BDL	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Vanadium	BDL	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Vanadium	0.1	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Vanadium	BDL	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Vanadium	BDL	0.1	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Vanadium	BDL	0.1	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Vanadium	BDL	0.1	ug/g	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Vanadium	BDL	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Vanadium	BDL	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Vanadium	0.11	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Vanadium	BDL	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Vanadium	BDL	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Vanadium	BDL	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Vanadium	BDL	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Vanadium	BDL	0.1	ug/g	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Vanadium	BDL	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Vanadium	BDL	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Vanadium	0.1	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Vanadium	0.16	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Vanadium	BDL	0.1	ug/g	22-Aug-01	U of Idaho	IMP

Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Vanadium	0.1	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Vanadium	0.26	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Vanadium	BDL	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Vanadium	0.14	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Vanadium	0.12	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Vanadium	0.12	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Vanadium	BDL	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Vanadium	0.16	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-1	Zinc	13	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-2	Zinc	19	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Zinc	16	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Zinc	17	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST026	082301MAST026-1-3	Zinc	17	0.1	ug/g	23-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-1	Zinc	14	0.1	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST076	090501MAST076-1-2	Zinc	11	0.1	ug/g	05-Sep-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082401MAST130-1-1	Zinc	12	0.1	ug/g	24-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-2	Zinc	21	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST130	082501MAST130-1-3	Zinc	19	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-1	Zinc	9.5	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-2	Zinc	10	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	riparian small mammal tissue	ST227	082901MAST227-1-3	Zinc	9.4	0.1	ug/g	29-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-1	Zinc	11	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082501MAWD053-2-2	Zinc	9.7	0.1	ug/g	25-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD053	082701MAWD053-2-3	Zinc	10	0.1	ug/g	27-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Zinc	22	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Zinc	21	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-1	Zinc	21	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-2	Zinc	14	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD062	082201MAWD062-1-3	Zinc	13	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-1	Zinc	10	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-2	Zinc	13	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Zinc	18	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Zinc	17	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD081	082201MAWD081-2-3	Zinc	17	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-1	Zinc	17	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-2	Zinc	12	0.1	ug/g	22-Aug-01	U of Idaho	IMP
Small Mammal Tissue	mine waste rock small mammal tissue	WD086	082201MAWD086-2-3	Zinc	13	0.1	ug/g	22-Aug-01	U of Idaho	IMP

Notes: [1] All units reported on a wet weight basis
Dry weight concentration is typically 3-5 times greater than wet weight.

TABLE B-1

SUMMARY OF SINGLE MEDIA DOSE FOR CADMIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	1.96E+01	---	---
Coyote (*Canis latrans*)	---	6.97E+01	5.42E-01	1.94E+01
Great Blue Heron (*Ardea herodias*)	4.03E+02	---	3.46E+00	---
Mallard (*Anas platyrhynchas*)	5.13E+01	---	2.38E+00	---
Mink (*Mustela vison*)	2.14E+01	2.14E+01	4.89E-01	2.05E+01
Deer Mouse (*Peromyscus maniculatus*)	---	1.89E+01	---	6.92E-01
Northern Harrier (*Circus cyaneus*)	---	1.90E+02	---	---
Northern Bobwhite (*Colinus virginianus*)	---	3.36E+01	---	7.86E-01
Eastern Cottontail (*Sylvilagus floridanus*)	---	3.14E+01	---	7.53E-01
Raccoon (*Procyon lotor*)	1.83E+01	---	5.31E-01	6.50E+00
American Robin (*Turdus migratorius*)	---	2.15E+01	---	8.61E-01
Song Sparrow (*Melospiza melodia*)	---	1.12E+01	---	2.23E-01
Meadow Vole (*Microtus pennsylvanicus*)	---	1.27E+01	---	---
Lowest Acceptable Concentration	**1.83E+01**	**1.12E+01**	**4.89E-01**	**2.23E-01**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-2

SUMMARY OF SINGLE MEDIA DOSE FOR CHROMIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	1.33E+02	---	---
Coyote (*Canis latrans*)	---	4.40E+03	3.42E+01	1.23E+03
Great Blue Heron (*Ardea herodias*)	2.94E+03	---	2.52E+01	---
Mallard (*Anas platyrhynchas*)	3.74E+02	---	1.73E+01	---
Mink (*Mustela vison*)	1.35E+03	1.35E+03	3.09E+01	1.29E+03
Deer Mouse (*Peromyscus maniculatus*)	---	1.19E+03	---	4.37E+01
Northern Harrier (*Circus cyaneus*)	---	1.90E+02	---	---
Northern Bobwhite (*Colinus virginianus*)	---	2.45E+02	---	5.72E+00
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.98E+03	---	4.76E+01
Raccoon (*Procyon lotor*)	1.16E+03	---	3.36E+01	4.11E+02
American Robin (*Turdus migratorius*)	---	1.57E+02	---	6.27E+00
Song Sparrow (*Melospiza melodia*)	---	8.13E+01	---	1.63E+00
Meadow Vole (*Microtus pennsylvanicus*)	---	7.99E+02	---	---
Lowest Acceptable Concentration	**3.74E+02**	**8.13E+01**	**1.73E+01**	**1.63E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-3

SUMMARY OF SINGLE MEDIA DOSE FOR COPPER
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	3.82E+02	---	---
Coyote (*Canis latrans*)	---	3.06E+03	2.38E+01	8.52E+02
Great Blue Heron (*Ardea herodias*)	8.45E+03	---	7.24E+01	---
Mallard (*Anas platyrhynchas*)	1.07E+03	---	4.98E+01	---
Mink (*Mustela vison*)	9.37E+02	9.37E+02	2.15E+01	8.98E+02
Deer Mouse (*Peromyscus maniculatus*)	---	8.28E+02	---	3.04E+01
Northern Harrier (*Circus cyaneus*)	---	3.99E+03	---	---
Northern Bobwhite (*Colinus virginianus*)	---	7.04E+02	---	1.65E+01
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.38E+03	---	3.30E+01
Raccoon (*Procyon lotor*)	8.04E+02	---	2.33E+01	2.85E+02
American Robin (*Turdus migratorius*)	---	4.51E+02	---	1.80E+01
Song Sparrow (*Melospiza melodia*)	---	2.34E+02	---	4.68E+00
Meadow Vole (*Microtus pennsylvanicus*)	---	5.55E+02	---	---
Lowest Acceptable Concentration	**8.04E+02**	**2.34E+02**	**2.15E+01**	**4.68E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-4

SUMMARY OF SINGLE MEDIA DOSE FOR NICKEL
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	2.14E+02	---	---
Coyote (*Canis latrans*)	---	1.75E+02	1.36E+00	4.88E+01
Great Blue Heron (*Ardea herodias*)	4.73E+03	---	4.05E+01	---
Mallard (*Anas platyrhynchas*)	6.01E+02	---	2.79E+01	---
Mink (*Mustela vison*)	5.36E+01	5.36E+01	1.23E+00	5.14E+01
Deer Mouse (*Peromyscus maniculatus*)	---	4.74E+01	---	1.74E+00
Northern Harrier (*Circus cyaneus*)	---	2.23E+03	---	---
Northern Bobwhite (*Colinus virginianus*)	---	3.94E+02	---	9.21E+00
Eastern Cottontail (*Sylvilagus floridanus*)	---	7.87E+01	---	1.89E+00
Raccoon (*Procyon lotor*)	4.60E+01	---	1.33E+00	1.63E+01
American Robin (*Turdus migratorius*)	---	2.52E+02	---	1.01E+01
Song Sparrow (*Melospiza melodia*)	---	1.31E+02	---	2.62E+00
Meadow Vole (*Microtus pennsylvanicus*)	---	3.18E+01	---	---
Lowest Acceptable Concentration	**4.60E+01**	**3.18E+01**	**1.23E+00**	**1.74E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-5

SUMMARY OF SINGLE MEDIA DOSE FOR SELENIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	3.13E+01	---	---
Coyote (*Canis latrans*)	---	5.73E+01	4.45E-01	1.60E+01
Great Blue Heron (*Ardea herodias*)	6.92E+02	---	5.93E+00	---
Mallard (*Anas platyrhynchas*)	8.80E+01	---	4.08E+00	---
Mink (*Mustela vison*)	1.75E+01	1.75E+01	4.02E-01	1.68E+01
Deer Mouse (*Peromyscus maniculatus*)	---	1.55E+01	---	5.69E-01
Northern Harrier (*Circus cyaneus*)	---	3.27E+02	---	---
Northern Bobwhite (*Colinus virginianus*)	---	5.77E+01	---	1.35E+00
Eastern Cottontail (*Sylvilagus floridanus*)	---	2.58E+01	---	6.18E-01
Raccoon (*Procyon lotor*)	1.51E+01	---	4.36E-01	5.34E+00
American Robin (*Turdus migratorius*)	---	4.20E+01	---	1.68E+00
Song Sparrow (*Melospiza melodia*)	---	4.16E+01	---	8.33E-01
Meadow Vole (*Microtus pennsylvanicus*)	---	1.04E+01	---	---
Lowest Acceptable Concentration	**1.51E+01**	**1.04E+01**	**4.02E-01**	**5.69E-01**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-6

SUMMARY OF SINGLE MEDIA DOSE FOR VANADIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	1.54E+03	---	---
Coyote (*Canis latrans*)	---	2.77E+02	2.15E+00	7.72E+01
Great Blue Heron (*Ardea herodias*)	3.39E+04	---	2.91E+02	---
Mallard (*Anas platyrhynchas*)	4.32E+03	---	2.00E+02	---
Mink (*Mustela vison*)	8.48E+01	8.48E+01	1.94E+00	8.14E+01
Deer Mouse (*Peromyscus maniculatus*)	---	7.50E+01	---	2.75E+00
Northern Harrier (*Circus cyaneus*)	---	1.60E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	2.83E+03	---	6.61E+01
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.25E+02	---	2.99E+00
Raccoon (*Procyon lotor*)	7.28E+01	---	2.11E+00	2.58E+01
American Robin (*Turdus migratorius*)	---	1.08E+03	---	1.81E+03
Song Sparrow (*Melospiza melodia*)	---	9.40E+02	---	1.88E+01
Meadow Vole (*Microtus pennsylvanicus*)	---	5.03E+01	---	---
Lowest Acceptable Concentration	**7.28E+01**	**5.03E+01**	**1.94E+00**	**2.75E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-7

SUMMARY OF SINGLE MEDIA DOSE FOR ZINC
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON NO OBSERVED ADVERSE EFFECTS LEVELS (NOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	2.41E+03	---	---
Coyote (*Canis latrans*)	---	1.24E+04	9.62E+01	3.45E+03
Great Blue Heron (*Ardea herodias*)	4.03E+02	---	4.57E+02	---
Mallard (*Anas platyrhynchas*)	6.78E+03	---	3.15E+02	---
Mink (*Mustela vison*)	3.79E+03	3.79E+03	8.69E+01	3.64E+03
Deer Mouse (*Peromyscus maniculatus*)	---	3.35E+03	---	1.23E+02
Northern Harrier (*Circus cyaneus*)	---	2.52E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	4.44E+03	---	1.04E+02
Eastern Cottontail (*Sylvilagus floridanus*)	---	5.57E+03	---	1.34E+02
Raccoon (*Procyon lotor*)	3.25E+03	---	9.43E+01	1.15E+03
American Robin (*Turdus migratorius*)	---	2.84E+03	---	1.14E+02
Song Sparrow (*Melospiza melodia*)	---	1.48E+03	---	2.95E+01
Meadow Vole (*Microtus pennsylvanicus*)	---	2.25E+03	---	---
Lowest Acceptable Concentration	**4.03E+02**	**1.48E+03**	**8.69E+01**	**2.95E+01**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-8

SUMMARY OF SINGLE MEDIA DOSE FOR CADMIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	2.38E+03	---	---
Coyote (*Canis latrans*)	---	3.07E+03	2.38E+01	8.55E+02
Great Blue Heron (*Ardea herodias*)	5.26E+04	---	4.51E+02	---
Mallard (*Anas platyrhynchas*)	6.69E+03	---	3.10E+02	---
Mink (*Mustela vison*)	9.40E+02	9.40E+02	2.15E+01	9.01E+02
Deer Mouse (*Peromyscus maniculatus*)	---	8.30E+02	---	3.05E+01
Northern Harrier (*Circus cyaneus*)	---	2.48E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	4.38E+03	---	1.02E+02
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.38E+03	---	3.31E+01
Raccoon (*Procyon lotor*)	8.06E+02	---	2.34E+01	2.86E+02
American Robin (*Turdus migratorius*)	---	2.80E+03	---	1.12E+02
Song Sparrow (*Melospiza melodia*)	---	1.46E+03	---	2.91E+01
Meadow Vole (*Microtus pennsylvanicus*)	---	5.57E+02	---	---
Lowest Acceptable Concentration	**8.06E+02**	**5.57E+02**	**2.15E+01**	**2.91E+01**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-9

SUMMARY OF SINGLE MEDIA DOSE FOR CHROMIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	6.65E+02	---	---
Coyote (*Canis latrans*)	---	1.76E+04	1.37E+02	4.92E+03
Great Blue Heron (*Ardea herodias*)	1.47E+04	---	1.26E+02	---
Mallard (*Anas platyrhynchas*)	1.87E+03	---	8.66E+01	---
Mink (*Mustela vison*)	5.40E+03	5.40E+03	1.24E+02	5.18E+03
Deer Mouse (*Peromyscus maniculatus*)	---	4.78E+03	---	1.75E+02
Northern Harrier (*Circus cyaneus*)	---	2.48E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	1.22E+03	---	2.86E+01
Eastern Cottontail (*Sylvilagus floridanus*)	---	7.94E+03	---	1.91E+02
Raccoon (*Procyon lotor*)	4.64E+03	---	1.34E+02	1.65E+03
American Robin (*Turdus migratorius*)	---	7.84E+02	---	3.13E+01
Song Sparrow (*Melospiza melodia*)	---	4.07E+02	---	8.13E+00
Meadow Vole (*Microtus pennsylvanicus*)	---	3.20E+03	---	---
Lowest Acceptable Concentration	**1.87E+03**	**4.07E+02**	**8.66E+01**	**8.13E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-10

SUMMARY OF SINGLE MEDIA DOSE FOR COPPER
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	8.69E+03	---	---
Coyote (*Canis latrans*)	---	7.23E+05	5.62E+03	2.02E+05
Great Blue Heron (*Ardea herodias*)	1.92E+05	---	1.65E+03	---
Mallard (*Anas platyrhynchas*)	2.44E+04	---	1.13E+03	---
Mink (*Mustela vison*)	2.22E+05	2.22E+05	5.08E+03	2.13E+05
Deer Mouse (*Peromyscus maniculatus*)	---	1.96E+05	---	7.18E+03
Northern Harrier (*Circus cyaneus*)	---	9.06E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	1.60E+04	---	3.74E+02
Eastern Cottontail (*Sylvilagus floridanus*)	---	3.25E+05	---	7.81E+03
Raccoon (*Procyon lotor*)	1.90E+05	---	5.51E+03	6.75E+04
American Robin (*Turdus migratorius*)	---	1.02E+04	---	4.10E+02
Song Sparrow (*Melospiza melodia*)	---	5.31E+03	---	1.06E+02
Meadow Vole (*Microtus pennsylvanicus*)	---	1.31E+05	---	---
Lowest Acceptable Concentration	**2.44E+04**	**5.31E+03**	**1.13E+03**	**1.06E+02**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-11

SUMMARY OF SINGLE MEDIA DOSE FOR NICKEL
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	8.56E+03	---	---
Coyote (*Canis latrans*)	---	4.16E+04	3.23E+02	1.16E+04
Great Blue Heron (*Ardea herodias*)	1.89E+05	---	1.62E+03	---
Mallard (*Anas platyrhynchas*)	2.41E+04	---	1.12E+03	---
Mink (*Mustela vison*)	1.27E+04	1.27E+04	2.92E+02	1.22E+04
Deer Mouse (*Peromyscus maniculatus*)	---	1.13E+04	---	4.13E+02
Northern Harrier (*Circus cyaneus*)	---	8.94E+04	---	---
Northern Bobwhite (*Colinus virginianus*)	---	1.58E+04	---	3.69E+02
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.87E+04	---	4.49E+02
Raccoon (*Procyon lotor*)	1.09E+04	---	3.17E+02	3.88E+03
American Robin (*Turdus migratorius*)	---	1.01E+04	---	4.04E+02
Song Sparrow (*Melospiza melodia*)	---	5.24E+03	---	1.05E+02
Meadow Vole (*Microtus pennsylvanicus*)	---	7.54E+03	---	---
Lowest Acceptable Concentration	**1.09E+04**	**5.24E+03**	**2.92E+02**	**1.05E+02**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-12

SUMMARY OF SINGLE MEDIA DOSE FOR SELENIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	1.27E+02	---	---
Coyote (*Canis latrans*)	---	1.39E+03	1.08E+01	3.86E+02
Great Blue Heron (*Ardea herodias*)	2.80E+03	---	2.40E+01	---
Mallard (*Anas platyrhynchas*)	3.56E+02	---	1.65E+01	---
Mink (*Mustela vison*)	4.24E+02	4.24E+02	9.72E+00	4.07E+02
Deer Mouse (*Peromyscus maniculatus*)	---	3.75E+02	---	1.38E+01
Northern Harrier (*Circus cyaneus*)	---	1.32E+03	---	---
Northern Bobwhite (*Colinus virginianus*)	---	2.33E+02	---	5.45E+00
Eastern Cottontail (*Sylvilagus floridanus*)	---	6.23E+02	---	1.50E+01
Raccoon (*Procyon lotor*)	3.64E+02	---	1.06E+01	1.29E+02
American Robin (*Turdus migratorius*)	---	1.49E+02	---	5.97E+00
Song Sparrow (*Melospiza melodia*)	---	7.75E+01	---	1.55E+00
Meadow Vole (*Microtus pennsylvanicus*)	---	6.16E+00	---	---
Lowest Acceptable Concentration	**3.56E+02**	**6.16E+00**	**9.72E+00**	**1.55E+00**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-13

SUMMARY OF SINGLE MEDIA DOSE FOR VANADIUM
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	1.54E+04	---	---
Coyote (*Canis latrans*)	---	2.77E+03	2.15E+01	7.72E+02
Great Blue Heron (*Ardea herodias*)	3.39E+05	---	2.91E+03	---
Mallard (*Anas platyrhynchas*)	4.32E+04	---	2.00E+03	---
Mink (*Mustela vison*)	8.48E+02	8.48E+02	1.94E+01	8.14E+02
Deer Mouse (*Peromyscus maniculatus*)	---	7.50E+02	---	2.75E+01
Northern Harrier (*Circus cyaneus*)	---	1.60E+05	---	---
Northern Bobwhite (*Colinus virginianus*)	---	2.83E+04	---	6.61E+02
Eastern Cottontail (*Sylvilagus floridanus*)	---	1.25E+03	---	2.99E+01
Raccoon (*Procyon lotor*)	7.28E+02	---	2.11E+01	2.58E+02
American Robin (*Turdus migratorius*)	---	1.81E+04	---	7.24E+02
Song Sparrow (*Melospiza melodia*)	---	9.40E+03	---	1.88E+02
Meadow Vole (*Microtus pennsylvanicus*)	---	5.03E+02	---	---
Lowest Acceptable Concentration	**7.28E+02**	**5.03E+02**	**1.94E+01**	**2.75E+01**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

TABLE B-14

SUMMARY OF SINGLE MEDIA DOSE FOR ZINC
CALCULATED MAXIMUM ACCEPTABLE CONCENTRATIONS
BASED ON LOWEST OBSERVED ADVERSE EFFECTS LEVELS (LOAEL) REFERENCE VALUES

RECEPTOR	Maximum Acceptible Sediment Concentrations (mg/kg)[1]	Maximum Acceptable Soil Concentrations (mg/kg)[1]	Maximum Acceptable Surface Water Concentrations (mg/L)	Maximum Acceptable Terrestrial Plant Concentration (mg/kg)[1]
Red-winged Blackbird (*Agelaius phoeniceus*)	---	2.41E+04	---	---
Coyote (*Canis latrans*)	---	5.30E+05	4.12E+03	1.48E+05
Great Blue Heron (*Ardea herodias*)	5.33E+05	---	4.57E+03	---
Mallard (*Anas platyrhynchas*)	6.78E+04	---	3.15E+03	---
Mink (*Mustela vison*)	1.62E+05	1.62E+05	3.72E+03	1.56E+05
Deer Mouse (*Peromyscus maniculatus*)	---	1.43E+05	---	5.26E+03
Northern Harrier (*Circus cyaneus*)	---	2.52E+05	---	---
Northern Bobwhite (*Colinus virginianus*)	---	4.44E+04	---	1.04E+03
Eastern Cottontail (*Sylvilagus floridanus*)	---	2.38E+05	---	5.72E+03
Raccoon (*Procyon lotor*)	1.39E+05	---	4.04E+03	4.94E+04
American Robin (*Turdus migratorius*)	---	2.84E+04	---	1.14E+03
Song Sparrow (*Melospiza melodia*)	---	1.48E+04	---	2.95E+02
Meadow Vole (*Microtus pennsylvanicus*)	---	9.62E+04	---	---
Lowest Acceptable Concentration	**6.78E+04**	**1.48E+04**	**3.15E+03**	**2.95E+02**

[1]Units reported on a dry weight basis
Highlighted Cells Identify Lowest Acceptable Concentration
--- Denotes Media Not Considered As Contributing To Receptor Dose
mg/kg Milligrams per kilogram
mg/L Milligrams per liter

EXHIBIT C-1
SOUTHEASTERN IDAHO PHOSPHATE RESOURCE AREA
ACTION LEVEL EVALUATIONS
RECEPTOR DOSE CALCULATIONS

Potential action levels for various media were evaluated on a risk basis for multiple receptors to provide data to support risk management decisions. The following sections provide the dose calculations used for each receptor.

American Robin

The dose equation used for the American robin (*Turdus migratorius*) is as follows:

$$Dose_{Total} = (SUF) \times \frac{\left[(C_{soil} \times IR_{soil}) + \begin{Bmatrix} 49.0\%(C_{terrestrial\ plants} \times IR_{prey}) + \\ 49.0\%(C_{terrestrial\ insects} \times IR_{prey}) \end{Bmatrix} \right]}{BW}$$

where

C_{soil}	=	Concentration of chemical in soils
$C_{terrestrial\ insects}$	=	Concentration of chemical in terrestrial invertebrates
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils, terrestrial plants, and terrestrial insect data. It is assumed that the water requirement for the American robin is obtained from its food source.

Coyote

The dose equation used for the coyote (*Canis latrans*) is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF})(\text{TTC}) \times \frac{\left[\begin{array}{l} (\text{C}_{\text{soils}} \times \text{IR}_{\text{soils}}) + (\text{C}_{\text{surface water}} \times \text{IR}_{\text{water}}) \\ + \left\{ \begin{array}{l} 9.7\%(\text{C}_{\text{terrestrial plants}} \times \text{IR}_{\text{prey}}) \\ + 87.5\%(\text{C}_{\text{smallmammals}} \times \text{IR}_{\text{prey}}) \end{array} \right\} \end{array} \right]}{\text{BW}}$$

where

C_{soil}	=	Concentration of chemical in soils
$C_{small\ mammals}$	=	Concentration of chemical in small mammals
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
$C_{surface\ water}$	=	Concentration of chemical in surface water
IR_{prey}	=	Ingestion rate of prey (kg per day)
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{water}	=	Ingestion rate of surface water (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils, surface water, terrestrial plants, and terrestrial mammal.

Deer Mouse

The dose equation used for the deer mouse (*Peromyscus maniculatus*) is as follows:

$$Dose_{Total} = (SUF) \times \frac{\left[(C_{soil} \times IR_{soil}) + \left\{ \begin{array}{l} 53.4\%(C_{terrestrial\ plants} \times IR_{prey}) + \\ 44.6\%(C_{terrestrial\ insects} \times IR_{prey}) \end{array} \right\} \right]}{BW}$$

where:

C_{soil}	=	Concentration of chemical in soils
$C_{terrestrial\ insects}$	=	Concentration of chemical in terrestrial invertebrates
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants

IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils, terrestrial plants, and terrestrial insect data. It is assumed that the water requirement for the deer mouse is obtained from its food source.

Eastern Cottontail

The dose equation used for the eastern cottontail (*Sylvilagus floridanus*) is as follows:

$$Dose_{Total} = (SUF) \times \frac{\left[(C_{soil} \times IR_{soil}) + 97.6\%(C_{terrestrial\ plants} \times IR_{prey})\right]}{BW}$$

where:

C_{soil}	=	Concentration of chemical in soils
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils and terrestrial plants. It is assumed that the water requirement for the eastern cottontail is obtained from its food source.

Great Blue Heron

The dose equation used for the great blue heron (*Ardea herodias*) is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF}) \times \frac{\left[\begin{array}{l}(\text{C}_{\text{sediments}} \times \text{IR}_{\text{sediments}}) + (\text{C}_{\text{surface water}} \times \text{IR}_{\text{water}}) \\ + 82.8\%(\text{C}_{\text{fish}} \times \text{IR}_{\text{prey}}) + 17.2\%(\text{C}_{\text{terrestrial inverts}} \text{x} \text{IR}_{\text{terrestrial inverts}})\end{array}\right]}{\text{BW}}$$

where:

C_{fish}	=	Concentration of chemical in fish
$C_{terrestrial\ invertebrates}$	=	Concentration of chemical in riparian invertebrates
$C_{sediments}$	=	Concentration of chemical in sediments
$C_{surface\ water}$	=	Concentration of chemical in surface water
$IR_{sediments}$	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
$IR_{surface\ water}$	=	Ingestion rate of surface water (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consisted of data for aquatic sediments, surface water, fish, and terrestrial invertebrates.

Mallard

The dose equation used for the mallard (*Anas platyrhynchas*) is as follows:

$$Dose_{Total} = (SUF) \times \frac{\left[\begin{array}{l}(C_{\text{sediments}} \times IR_{sediment}) + (C_{surface\ water} \times IR_{water}) \\ + \left\{\begin{array}{l}24.5\%(C_{aquatic\ plants} \times IR_{prey}) \\ + 72.2\%(C_{aquatic\ invertebrates} \times IR_{prey})\end{array}\right\}\end{array}\right]}{BW}$$

where:

$C_{aquatic\ plants}$	=	Concentration of chemical in aquatic plants
$C_{aquatic\ invertebrates}$	=	Concentration of chemical in aquatic invertebrates
$C_{sediments}$	=	Concentration of chemical in sediments

$C_{surface\ water}$	=	Concentration of chemical in surface water
$IR_{sediment}$	=	Ingestion rate of sediment (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
$IR_{surface\ water}$	=	Ingestion rate of surface water (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for sediments, surface water, aquatic plants, and aquatic invertebrates.

Meadow Vole

The dose equation used for the meadow vole (*Microtus pennsylvanicus*) is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF}) \times \frac{\left[\begin{array}{l}(\text{CsoilxIR}_{\text{soil}}) + 95.6\%(C_{\text{terrestrial plants}} \times \text{IR}_{\text{prey}}) \\ +1.96\%(C_{\text{terrestrialinvertebrates}} \times \text{IR}_{\text{prey}})\end{array}\right]}{\text{BW}}$$

where:

$C_{terrestrial\ invertebrates}$	=	Concentration of chemical in terrestrial invertebrates
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
C_{soil}	=	Concentration of chemical in soil
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for soils, terrestrial plants, and terrestrial insects. It is assumed that the water requirement for the meadow vole is obtained from its food source.

Mink

The basic equation used for the mink (*Mustela vison*) is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF})(\text{TTC}) \times \frac{\left[\begin{array}{l} (C_{\text{sediments}} \times IR_{\text{sediment}}) + (C_{\text{surface water}} \times IR_{\text{water}}) + (C_{\text{soil}} \times IR_{\text{soil}}) \\ + \left\{ \begin{array}{l} 3.86\%(C_{\text{aquatic plants}} \times IR_{\text{prey}}) \\ 3.86\%(C_{\text{terrestrial plants}} \times IR_{\text{prey}}) \\ + 6.4\%(C_{\text{aquatic invertebrates}} \times IR_{\text{prey}}) \\ + 4.7\%(C_{\text{smallmammals}} \times IR_{\text{prey}}) \\ + 62.4\%(C_{\text{fish}} \times IR_{\text{prey}}) \end{array} \right\} + \end{array} \right]}{BW}$$

where

$C_{\text{aquatic plants}}$	=	Concentration of chemical in aquatic plants
$C_{\text{aquatic invertebrates}}$	=	Concentration of chemical in aquatic invertebrates
C_{fish}	=	Concentration of chemical in fish
$C_{\text{terrestrial plants}}$	=	Concentration of chemical in terrestrial plants
C_{soil}	=	Concentration of chemical in soil
$C_{\text{sediments}}$	=	Concentration of chemical in sediments
$C_{\text{small mammals}}$	=	Concentration of chemical in small mammals
$C_{\text{surface water}}$	=	Concentration of chemical in surface water
IR_{sediment}	=	Ingestion rate of sediment (kg per day)
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
IR_{water}	=	Ingestion rate of surface water (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for sediments, surface water, aquatic and terrestrial plants, aquatic invertebrates, small mammals, and fish.

Northern Bobwhite

The dose equation used for the northern bobwhite (*Colinus virginianus*) is as follows:

$$Dose_{Total} = (SUF) \times \frac{\left[(C_{soil} \times IR_{soil}) + \begin{Bmatrix} 83.8\%(C_{terrestrial\ plants} \times IR_{prey}) + \\ 14.1\%(C_{terrestrial\ insects} \times IR_{prey}) \end{Bmatrix} \right]}{BW} \quad (7\text{-}2)$$

where:

$C_{terrestrial\ insects}$	=	Concentration of chemical in terrestrial invertebrates
$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
C_{soil}	=	Concentration of chemical in soil
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils, terrestrial plants, and terrestrial insects. It is assumed that the water requirement for the northern bobwhite is obtained from its food source.

Northern Harrier

The dose equation used for the northern harrier (*Circus cyaneus*) is as follows:

$$\mathrm{Dose}_{\mathrm{Total}} = (\mathrm{SUF})(\mathrm{TTC}) \times \frac{\left[\begin{matrix} (\mathrm{C}_{\mathrm{soils}} \times \mathrm{IR}_{\mathrm{soils}}) \\ + \begin{Bmatrix} 2.5\%(\mathrm{C}_{\mathrm{terrestrialinvertebrates}} \times \mathrm{IR}_{\mathrm{prey}}) \\ + 96.8\%(\mathrm{C}_{\mathrm{smallmammals}} \times \mathrm{IR}_{\mathrm{prey}}) \end{Bmatrix} \end{matrix} \right]}{\mathrm{BW}} \quad (7\text{-}15)$$

where

$C_{small\ mammals}$	=	Concentration of chemical in small mammals
$C_{terrestrial\ invertebrates}$	=	Concentration of chemical in terrestrial invertebrates

C_{soil}	=	Concentration of chemical in soil
IR_{prey}	=	Ingestion rate of prey (kg per day)
IR_{soil}	=	Ingestion rate of soil (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for terrestrial soils, terrestrial invertebrate, and small mammals.

Raccoon

The dose equation used for the raccoon (*Procyon lotor*) as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF}) \times \frac{\left[\begin{array}{l} (C_{\text{sediments}} \times IR_{\text{sediment}}) + (C_{\text{surface water}} \times IR_{\text{water}}) \\ + \left\{ \begin{array}{l} 24.0\%(C_{\text{aquatic plants}} \times IR_{\text{prey}}) \\ + 24.0\%(C_{\text{terrestrial plants}} \times IR_{\text{prey}}) \\ + 31.7(C_{\text{aquatic invertebrates}} \times IR_{\text{prey}}) \\ + 9.1\%(C_{\text{smallmammals}} \times IR_{\text{prey}}) \\ + 1.8\%(C_{\text{fish}} \times IR_{\text{prey}}) \end{array} \right\} \end{array} \right]}{\text{BW}}$$

where:

$C_{\text{aquatic invertebrates}}$	=	Concentration of chemical in aquatic invertebrates
$C_{\text{aquatic plants}}$	=	Concentration of chemical in aquatic plants
$C_{\text{terrestrial plants}}$	=	Concentration of chemical in terrestrial plants
$C_{\text{sediments}}$	=	Concentration of chemical in sediments
$C_{\text{small mammals}}$	=	Concentration of chemical in small mammals
$C_{\text{surface water}}$	=	Concentration of chemical in surface water
IR_{sediment}	=	Ingestion rate of sediment (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
IR_{water}	=	Ingestion rate of surface water (kg per day)
BW	=	Body weight of receptor species (kg)

SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for sediments, surface water, aquatic and riparian plants, aquatic invertebrates, riparian mammals, and fish.

Red-Winged Blackbird

The dose equation used for the red-winged blackbird (*Agelaius phoeniceus*) is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF}) \times \frac{\left[(C_{\text{soil}} \times IR_{\text{soil}}) + \left\{ \begin{array}{l} 78.4\%(C_{\text{terrestrial plants}} \times IR_{\text{prey}}) + \\ 21.5\%(C_{\text{terrestrialinvertebrates}} \times IR_{\text{prey}}) \end{array} \right\} \right]}{BW}$$

where:

$C_{\text{terrestrial invertebrates}}$	=	Concentration of chemical in terrestrial invertebrates
$C_{\text{terrestrial plants}}$	=	Concentration of chemical in terrestrial plants
C_{soil}	=	Concentration of chemical in soil
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for soils, terrestrial plants, and terrestrial insects. It is assumed that the water requirement for the red-winged blackbird is obtained from its food source.

Song Sparrow

The dose equation used for the song sparrow (*Melospiza melodia*)is as follows:

$$\text{Dose}_{\text{Total}} = (\text{SUF}) \times \frac{\left[(C_{\text{soil}} \times IR_{\text{soil}}) + 98.0\%(C_{\text{terrestrialplants}} \times IR_{\text{prey}}) \right]}{BW}$$

where:

$C_{terrestrial\ plants}$	=	Concentration of chemical in terrestrial plants
C_{soil}	=	Concentration of chemical in riparian soil
IR_{soil}	=	Ingestion rate of soil (kg per day)
IR_{prey}	=	Ingestion rate of prey (kg per day)
BW	=	Body weight of receptor species (kg)
SUF	=	Site use factor to account for the amount of time that the organism spends using the site, always set as 1.0

Input consists of data for riparian soils and riparian plants. It is assumed that the water requirement for the song sparrow is obtained from its food source.

EXHIBIT C-2

ASSUMPTIONS FOR BODY WEIGHT DISTRIBUTIONS STANDARD DEVIATIONS AND RANGES

Great Blue Heron

Mean body weight for adult males and females is assumed to be 2, 295 grams grams based on Butler (1992). EPA (1993) reports a standard deviation (SD) of +/- 299 grams for adult males and a SD of +/- 337 grams for adult females based on Hartman (1961). These values will be averaged and a SD of +/- 318 grams will be used. This results in an estimated range of body weights of 1,023 to 3,567 grams.

American Robin

Based on EPA (1993) the mean body weight for breeding and non-breeding male and females calculated as 81.02 grams with a range of 63.5 to 103 grams based on Clench and Leberman (1978) and Wheelwright (1986). The average SD based on Wheelwright (1986) is +/- 6.25 grams.

Red-Winged Blackbird

The mean body weight based on both males and females (Beletsky 1996) is estimated to be 59 grams. No specific data is available on SDs. Therefore, the SD is extrapolated from data on the American robin and scaled based on mean body weights. This results in a SD of +/- 4.55 grams. This results in an estimated range of body weights of 40.8 to 77.2 grams.

Song Sparrow

The mean body weight based on adults of both sexes is estimated to be 22.9 grams based on Smith and Arcese (1988). No specific data is available on SDs for the song sparrow. However, Dunning (1993) reported a standard deviation in body weights for the Alameda song sparrow of +/- 0.91 grams. Therefore, the SD for the Alameda song sparrow will be used. This results in an estimated range of body weights of 19.3 to 26.5 grams.

Northern Bobwhite

Based on EPA (1993) the mean body weight for male and females is calculated as 191 grams based on Robel (1969). The average SD based on Robel (1969) is +/- 4.27 grams. This results in an estimated range of body weights of 174 to 208 grams.

Mallard

Based on EPA (1993) the mean body weight for both male and females is calculated as 1,134 grams. The average SD based on EPA (1993) is +/- 108 grams. This results in an estimated range of body weights of 702 to 1,814 grams.

Northern Harrier

The mean body weight was calculated as 441 grams based on information found in Bildstein (1988), as cited in MacWhirter and Bildstein (1996). The range in body weights was reported as

297 to 752 grams. No data was available on the SD of the body weight distribution for the northern harrier. Bloom (1973) reported body weight data on the American kestrel in California. The mean body weight for both male and females was 116 grams with an average SD of +/- 9.0 grams. Therefore, the SD for the northern harrier body weight distribution is extrapolated from data on the American kestrel and scaled based on mean body weights. This results in a SD of +/- 34.2 grams.

Coyote

The mean body weight for the coyote is 10,800 grams based on adult females from New Mexico (Windberg and others 1997; Berg and Chesness 1978) with a range of 9,500 to 12,000 grams. No data was available on the SD of the body weight distribution for the coyote. Storm et al. (1976) reported body weight data on the red fox in Illinois and Iowa. The mean body weight for both male and females was 4,535 grams with an average SD of +/- 112.5 grams. Therefore, the SD for the coyote body weight distribution is extrapolated from data on the red fox and scaled based on mean body weights. This results in a SD of +/- 260 grams.

Eastern Cottontail

Based on EPA (1993) the mean body weight for both male and females is calculated as 1,231 grams with a range of 700 to 1,800 grams based on Lord (1963). The average SD based on EPA (1993) is +/- 164 grams.

Deer Mouse

Based on EPA (1993) the mean body weight for both male and females is calculated as 21 grams based on Millar (1989). The average SD for adult males and females based on Schlesinger and Potter (1974) is +/- 0.71 grams. This results in an estimated range of body weights of 18.2 to 23.8 grams.

Meadow Vole

Based on EPA (1993) the mean body weight for both male and females is calculated as 35.4 grams based on Abramsky and Tracy (1980) and Myers and Krebs (1971). The average SD for adult males and females based on Myers and Krebs (1971) is +/- 0.33 grams. This results in an estimated range of body weights of 34.1 to 36.7 grams.

Raccoon

Based on EPA (1993) the mean body weight for both male and females is calculated as 6,700 grams based on Sanderson (1984) with a reported range of 5,100 to 8,300 grams. No data was available on the SD of the body weight distribution for the raccoon. Schacher and Pelton (1978) reported body weight data on the muskrat in Tennessee. The mean body weight for both male and females was 1,274 grams with an average SD of +/- 50.1 grams. Therefore, the SD for the raccoon body weight distribution is extrapolated from data on the muskrat and scaled based on mean body weights. This results in a SD of +/- 263 grams.

Mink

Based on EPA (1993) the mean body weight for both male and females is calculated as 852 grams based on Mitchell (1961). No data was available on the SD of the body weight distribution

for the mink in the wild. However, Hornshaw et al. (1983) reported body weight data on farm raised mink. The mean body weight for the farm raised male and females was 1,354 grams with an average SD of +/- 276 grams. Therefore, the SD for the wild mink body weight distribution is extrapolated from data on the farm raised mink data and scaled based on mean body weights. This results in a SD of +/- 174 grams. This results in an estimated range of body weights of 156 to 1,548 grams.

TABLE C-3

BODY WEIGHT AND HOME RANGE DATA

Receptor	Range	Mean	Notes
Body Weight (grams)			
Northern Bobwhite	189.9 to 195.0	191.27	Robel (1969, as cited in EPA 1993), based on the mean body weights of both sexes for three seasons from Kansas.
Eastern Cottontail	700 to 1,800	1,231	Lord (1963, as cited in EPA 1993), based on the mean body weight for both sexes from Illinois.
American Robin	63.2 to 103.0	81.02	Based on the range and mean body weight for both sexes for all seasons, breeding and nonbreeding, from Pennsylvania (Clench and Leberman 1978, as cited in EPA 1993) and New York (Wheelwright 1996, as cited in EPA 1993).
Deer Mouse	20 to 22	21	Range in means for both sexes from North America (Millar 1989, as cited in EPA 1993).
Song Sparrow	21.1 to 24.7	22.9	Range in means for both sexes from Canada (Smith and Arcese 1988).
Meadow Vole	35.5 to 39.0	37.25	Myers and Krebs (1971, as cited in EPA 1993) based on the mean for both males and females all year from south Indiana.
Red-winged Blackbird	43 to 75	59	Based on both males and females (Beletsky 1996)
Great Blue Heron	2,090 to 2,500	2,295	Range in body weight (Butler 1992)
Mallard Duck	1,043 to 1,814	1,134	Based on range for both males and females throughout North America (Nelson and Martin 1953, as cited in EPA 1993).
Raccoon	5,100 to 8,300	6,700	Sanderson (184, as cited in EPA 1993), based on mean body weight of both wild caught males and females from Illinois.
Mink	550 to 1,233	852	Mitchell (1961, as cited in EPA 1993), based on the average of the mean body weights of both males and females for summer and fall from Montana.
Coyote	9,500 to 12,000	10,800	Based on females from New Mexico (Windberg and others 1997; Berg and Chesness 1978)
Northern Harrier	435 to 654	513	Adult females during breeding season in Wisconsin (Bildstein 1988, as cited in MacWhirter and Bildstein 1996).
Home Range (acres)			
Northern Bobwhite	15.8 to 41.3	28.6	Urban (1972, as cited in EPA 1993), based on highest mean home range of mated and unmated males and postnesting and nesting females from southern Illinois.
Eastern Cottontail	1.98 to 7.54	5.96	Trent and Rongstad (1974) and Dixon and others (1981, as cited in EPA 1993), based on average home ranges of males and females during summer, spring, and winter in Wisconsin.
American Robin	0.27 to 0.52	0.40	Based on adults of both sexes from New York in dense conifers and unspecified forest (Howell 1942, as cited in EPA 1993).
Deer Mouse	0.23 to 0.32	0.28	Bowers and Smith (1979, as cited in EPA 1993), based on average of male and female ranges from Idaho desert area.
Song Sparrow	3.03 to 5.09	4.06	Based on the home range of both adult males and females in Marin County, California (Halliburton and Mewaldt 1976).

TABLE C-3

BODY WEIGHT AND HOME RANGE DATA

Meadow Vole	0.00049 to 0.03459	0.01750	Douglass (1976, as cited in EPA 1993), based on average of both sexes during summer and winter from alluvial bench in Montana.
Red-winged Blackbird	0.038 to 7.22	0.494	Mean territory size based on observations in uplands and marshlands (Weatherford and Robertson 1977; Eckert and Weatherford 1977, and Searcy and Yasukawa 1995, as cited in Yasukawa and Searcy 1995).
Great Blue Heron	1.48 to 20.75	11.12	Feeding territory for both sexes in fall and winter in an Oregon estuary (Bayer 1978, as cited in EPA 1993).
Mallard Duck	94 to 3,558	1,074	Dwyer and others (1979); Kirby and others (1985, as cited in EPA 1993), based on mean of range in values for both adult males and females from North Dakota prairie potholes and Minnesota wetlands and rivers.
Raccoon	566 to 12,222	4,159	Fritzell (1878, as cited in EPA 1993), based on mean adult male and female home ranges during the spring and summer in North Dakota prairie pothole area
Mink	19.27 to 4,524	1,532	Mitchell (1961, as cited in EPA 1993 and http://www.sibr.com/mammals/M158.html, based on male and female home ranges in Montana from heavy and sparse vegetation riverine area.
Coyote	74 to 3,830	2,162	Range for both adult females and males in Montana (Pyrah 1984).
Northern Harrier	420 to 3,707	642	Median home range for 8 studies (Smith and Murphy 1973; Rees 1976; Toland 1985a; Martin 1987; Serrantino 1987, as cited in MacWhirter and Bildstein 1996).

Notes:

TABLE C-4: MAMMALIAN TOXICITY REFERENCE VALUES -- NO OBSERVED ADVERSE EFFECTS LEVEL BASIS

Chemical of Potential Ecological Concern	Literature-based NOAEL TRV (mg/kg-day)	Source of Study	Study	Endpoint	Body Weight of Study Subject (g)
Metals					
Cadmium	6.00E-02	Navy (1998)	Webster (1988)	NOAEL for effects on fetal weight	32.2
Chromium	3.28E+00	Sample and others (1996)	McKenzie and others (1958)	Physiological effects in rats	350.0
Copper	2.67E+00	Navy (1998)	Pocino and others (1991)	Adverse effect on food ingestion rate, body weight, number of cells in the thymus, or mortality in mice	30.0
Nickel	1.33E-01	Navy (1998)	Smith and others (1993)	Increase in the number and proportion of G2 pups born dead or dying shortly after birth	248.6
Selenium	5.00E-02	Navy (1998)	Harr and others (1966)	Hepatic lesions in Wistar rats	24.6
Vanadium	2.10E-01	Sample and others (1996)	Domingo and others (1986)	Reproduction in rats	260.0
Zinc	9.61E+00	Navy (1998)	Aughey and others (1977)	Hypertrophy and vacuolation of pancreatic islets cells and fascicolata cells in the adrenal cortex	25.5

Notes:

EPA = U.S. Environmental Protection Agency
g = Gram
mg/kg-day = Milligram per kilogram per day
Navy = U.S. Department of Navy
NOAEL = No observed adverse effects level
TRV = Toxicity reference value

TABLE C-5: MAMMALIAN TOXICITY REFERENCE VALUES -- LOWEST OBSERVED ADVERSE EFFECTS LEVEL BASIS

Chemical of Potential Ecological Concern	Literature-based LOAEL TRV (mg/kg-day)	Source of Study	Study	Endpoint	Body Weight of Study Subject (g)
Metals					
Cadmium	2.64E+00	Navy (1998)	Schroeder and Mitchener (1971)	Increase in young deaths and runts; failure to breed in mice	31.4
Chromium	1.31E+01	Sample and others (1996)	Steven and others (1976) as cited in Eisler (1986)	Mortality in rats	350.0
Copper	6.32E+02	Navy (1998)	Hebert and others (1993)	Decreased water consumption, body weight, and increased mortality in mice	24.7
Nickel	3.16E+01	Navy (1998)	Smith and others (1993)	Increase in the number and proportion of pups born dead or dying shortly after birth during G1 in Loong-Evans rats	248.6
Selenium	1.21E+00	Navy (1998)	Schroeder and Mitchener (1971)	Increase in young deaths and the number of runts in mice	24.6
Vanadium	2.10E+00	Sample and others (1996)	Domingo and others (1986)	Reproduction in rats	260.0
Zinc	4.11E+02	Navy (1998)	Shlicker and Cox (1968)	Decreased fetus weight, fetal liver weight, and body weight in Nulliparous rats	175

Notes:

EPA = U.S. Environmental Protection Agency
g = Gram
LOAEL=Lowest observed adverse effects level
mg/kg-day = Milligram per kilogram per day
Navy = U.S. Department of Navy
TRV = Toxicity reference value

TABLE C-6: AVIAN TOXICITY REFERENCE VALUES -- NO OBSERVED ADVERSE EFFECTS LEVEL BASIS

Chemical of Potential Ecological Concern	Literature-based NOAEL TRV (mg/kg-day)	Source of Study	Study	Endpoint	Body Weight of Study Subject (g)
Metals					
Cadmium	8.00E-02	Navy (1998)	Cain and others (1983)	No observed adverse effect level for blood chemistry in mallards	798.5
Chromium	1.00E+00	Sample and others (1996)	Haaseltine and others, unpublished data	Reduction of duckling survival in black ducks	1,250
Copper	2.30E+00	Navy (1998)	Norvell and others (1975)	Adverse effects on weight gain in boilers	639
Nickel	1.38E+00	Navy (1998)	Cain and Pafford (1981)	Adverse effects, such as tremors and edema, in toe and leg joints of mallards	613.75
Selenium	2.30E-01	Navy (1998)	Heinz and others (1989)	Adverse effects in hatchling body weight and survival, effect on number of hatchlings produced per hen, and malformed embryos in mallards	1,107
Vanadium	1.14E+01	Sample and others (1996)	White and Dieter (1978)	Adverse effects on mortality, body weight, and blood chemistry in mallards	1,170
Zinc	1.72E+01	Navy (1998)	Gasaway and Buss (1972)	Decrease in body weight at 40 days, decrease in gonad weight, decrease in organ to body weight ratio (pancreas, adrenal, and kidney), decreases in pancreas and liver weight, leg paralysis, and diarrhea in mallards	955

EPA = U.S. Environmental Protection Agency
g = Gram
mg/kg-day = Milligram per kilogram per day
NA = Not Available
Navy = U.S. Department of Navy
NOAEL=No observed adverse effects level
TRV = Toxicity reference value

TABLE C-7: AVIAN TOXICITY REFERENCE VALUES -- LOWEST OBSERVED ADVERSE EFFECTS LEVEL (LOAEL) BASIS

Chemical of Potential Ecological Concern	Literature-based LOAEL TRV (mg/kg-day)	Source of Study	Study	Endpoint	Body Weight of Study Subject (g)
Metals					
Cadmium	1.04E+01	Navy (1998)	Richardson and others (1974)	Decrease in body and testis weight, hematocrit and hemoglobin; changes in liver trace element stores; histological effects to duodenum, bone marrow, and adrenal; increase in heart weight in the Japanese quail	84
Chromium	5.00E+00	Sample and others (1996)	Haaseltine and others, unpublished data	Reduction of duckling survival in black ducks	1,250
Copper	5.23E+01	Navy (1998)	Jensen and Maurice (1978)	Increase in gizzard erosion and feed to gain ratio, increase in relative gizzard and proventriculus weight in Cobb broiler chicks	409
Nickel	5.52E+01	Navy (1998)	Cain and Pafford (1981)	Decrease in length:weight ratio of humerus at 30 days in the mallard	580
Selenium	9.30E-01	Navy (1998)	Heinz and others (1989)	Decrease in hatchling success	1,108
Vanadium	1.14E+02	Sample and others (1996)	White and Dieter (1978)	Adverse effects on mortality, body weight, and blood chemistry in mallards	1,170
Zinc	1.72E+02	Navy (1998)	Gasaway and Buss (1972)	Decrease in body weight at 40 days, decrease in gonad weight, decrease in organ to body weight ratio (pancreas, adrenal, and kidney), decreases in pancreas and liver weight, leg paralysis, and diarrhea in mallard	955

Notes:

EPA = U.S. Environmental Protection Agency
g = Gram
LOAEL=Lowest observed adverse effects level
mg/kg-day = Milligram per kilogram per day
Navy = U.S. Department of Navy
TRV = Toxicity reference value

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
Body Weight (grams)		
Northern bobwhite	191.1	Robel (1969, as cited in EPA 1993) based on average body weight of both sexes for three seasons from Kansas
Eastern cottontail	1,231	Lord (1963, as cited in EPA 1993) based on mean for both sexes from Illinois
American robin	81.0	Based on EPA (1993) the mean body weight for breeding and non-breeding male and females calculated as 81.02 grams with a range of 63.5 to 103 grams based on Clench and Leberman (1978) and Wheelwright (1986) as cited in EPA 1993.
Deer mouse	21.0	Millar (1989, as cited in EPA 1993) based on body weights for both males and females from North America
Song sparrow	22.9	The mean body weight based on adults of both sexes is estimated to be 22.9 grams based on Smith and Arcese (1988).
Meadow vole	35.4	Based on EPA (1993) the mean body weight for both male and females is calculated as 35.4 grams based on Abramsky and Tracy (1980) and Myers and Krebs (1971).
Red-winged blackbird	59.0	Beletsky (1996)
Great blue heron	2,295	Mean body weight for adult males and females is assumed to be 2, 295 grams grams based on Butler (1992).
Mallard duck	1,134	Nelson and Martin (1953, as cited in EPA 1993) based on average of mean body weights for both males and females from throughout the United States
Raccoon	6,700	Based on EPA (1993) the mean body weight for both male and females is calculated as 6,700 grams based on Sanderson (1984) with a reported range of 5,100 to 8,300 grams.
Mink	852	Mitchell (1961, as cited in EPA 1993) based on the average of mean body weights for both males and females for summer and fall from Montana
Coyote	10,800	The mean body weight for the coyote is 10,800 grams based on adult females from New Mexico (Windberg and others 1997; Berg and Chesness 1978) with a range of 9,500 to 12,000 grams.
Northern harrier	441	The mean body weight was calculated as 441 grams based on information found in Bildstein (1988), as cited in MacWhirter and Bildstein (1996).

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
Dietary Composition		
Northern bobwhite	85.6% Vegetation; 14.4% invertebrates	Handley (1931, as cited in EPA 1993) based on average percentage from birds in the southeastern United States
Eastern cottontail	100% Vegetation	EPA (1993)
American robin	50% Vegetation and 50% invertebrates	EPA (1993)
Deer mouse	54.5% Vegetation and 45.5% invertebrates	Flake (1973, as cited in EPA 1993) based on average of four seasons diet for mice from Colorado short grass prairie
Song sparrow	Primarily herbivorous and granivorous; may consume insects and other invertebrates during yoke formation	University of Michigan (2000) (http://aniumaldiversity.ummz.umich.edu/accounts/melospiza/m._melodia$narrative.html)
Meadow vole	98% Vegetation and 2% invertebrates	Lindroth and Batzli (1984, as cited in EPA 1993) based on average of two studies during four seasons in Illinois
Red-winged blackbird	90% plant material, seeds, and brains in fall and winter; 70% insects and 17% grain during the breeding season	Diet during fall and winter taken from Brent (1985), Martin and others (1961), and Crase and DeHaven (1978), as cited in Ziener and others (1990). Diet of males and females during breeding season in agricultural and nonagricultural land based on McNicholl (1987)
Great blue heron	72% Fish, 17% invertebrates, and 11% miscellaneous	Prey ingestion percentages (Zeiner and others 1990)
Mallard duck	25.3% Vegetation and 74.7% invertebrates	Swanson and others (1985, as cited in EPA 1993), based on spring breeding season in south central North Dakota prairie pothole area
Raccoon	48.48% Vegetation, 31.78% invertebrates, 9.28% mammals, 6.33% reptiles/amphibians, 1.75% fish, 1.5% birds, and 0.91% other not identified	Tabatabai and Kennedy (1988) and Hamilton (1951), as cited in EPA (1993), based on average of percent wet volume of digestive tract or stomach contents of raccoons from Tennessee (four seasons) and New York (summer only)

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
Dietary Composition (continued)		
Mink	54% Trout, 19% other fish, 7.5% invertebrates., 2.5% amphibians, 5.5% birds and mammals, 9% vegetation, and 2.5% unidentified	Alexander (1977, as cited in EPA 1993), based on stomach contents for four seasons from Michigan streams and rivers
Coyote	90% Mice, rats, rabbits, squirrels, and carrion. Some deer and ground nesting birds. Various fruits, berries, seeds, and grasses consumed when available.	Omnivorous, based on http://www.ukans.edu/~mammals/canis-latr.html
Northern harrier	80% Mammals, 15% birds, 3% reptiles and amphibians, and 2% invertebrates	Bildstein (1987), based on pellet content in the northern part of the harrier range and another study by Brown and Amadon (1968)
Food Ingestion Rate (g/day)[3]		
Northern bobwhite	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for omnivores (10.5 x [BW in grams]$^{0.681}$)/14 (Nagy and other 1999)
Eastern cottontail	See Note 1	Value used was calculated using body weight in an allometric equation for herbivorous mammals, food requirements for herbivores (7.94 x [BW in grams]$^{0.646}$)/10 (Nagy and others 1999)
American robin	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for omnivores (10.5 x [BW in grams]$^{0.681}$)/14 (Nagy and others 1999)
Deer mouse	See Note 1	Value used was calculated using body weight in an allometric equation for rodents, food requirements for omnivores (5.48 x [BW in grams]$^{0.712}$)/14 (Nagy and others 1999)
Song sparrow	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for omnivores (10.5 x [BW in grams]$^{0.681}$)/14 (Nagy and others 1999)

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
Meadow vole	See Note 1	Value used was calculated using body weight in an allometric equation for rodents, food requirements for herbivores (5.48 x [BW in grams]$^{0.712}$)/10 (Nagy and others 1999)
Red-winged blackbird	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for omnivores (10.5 x [BW in grams]$^{0.681}$)/14 (Nagy and others 1999)
Great blue heron	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for piscivores (10.5 x [BW in grams]$^{0.681}$)/16.2 (Nagy and others 1999)
Mallard duck	See Note 1	Value used was calculated using body weight in an allometric equation for all birds, food requirements for omnivores (10.5 x [BW in grams]$^{0.681}$)/14 (Nagy and others 1999)
Raccoon	See Note 1	Value used was calculated using body weight in an allometric equation for omnivorous mammals, food requirements for omnivores (6.03 x [BW in grams]$^{0.678}$)/14 (Nagy and others 1999)
Mink	See Note 1	Value used was calculated using body weight in an allometric equation for omnivorous mammals, food requirements for omnivores (6.03 x [BW in grams]$^{0.678}$)/14 (Nagy and others 1999)
Coyote	See Note 1	Value shown is calculated using mean body weight (BW=10,500 grams) in an allometric equation for omnivorous mammals, food requirements for omnivores (6.03 x [BW in grams]$^{0.678}$)/14 (Nagy and others 1999).
Northern harrier	See Note 1	Calculated using mean body weight (BW=513.0 grams) in an allometric equation for all birds, food requirements for all birds (10.5 x [BW]$^{0.681}$)/18 (Nagy and others 1999)
Water Ingestion Rate (L/day)		
Northern bobwhite	NA	See Note 2
Eastern cottontail	NA	See Note 2

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
American robin	NA	See Note 2
Deer mouse	NA	See Note 2
Song sparrow	NA	See Note 2
Meadow vole	NA	See Note 2
Red-winged blackbird	NA	See Note 2
Great blue heron	See Note 1	Published value of 0.045 g/g-day, based on estimated value for both sexes (EPA 1993). Actual value used was based on the following equation: $IR_{water} = 0.059*BW(kg)^{0.67}$ (EPA 1993)
Mallard duck	See Note 1	Actual value used was based on the following equation: $IR_{water} = 0.059*BW(kg)^{0.67}$ (EPA 1993)
Raccoon	See Note 1	Published value of 0.083 g/g-day (EPA 1993), based on estimated rate for female. Actual value used was based on the following equation: $IR_{water} = 0.099*BW(kg)^{0.90}$ (EPA 1993)
Mink	See Note 1	Published value of 0.11 g/g-day (EPA 1993), based on estimated rate for female. Actual value used was based on the following equation: $IR_{water} = 0.099*BW(kg)^{0.90}$ (EPA 1993)
Coyote	See Note 1	Actual value used was based on the following equation: $IR_{water} = 0.099*BW(kg)^{0.90}$ (EPA 1993)
Northern harrier	NA	See Note 2
Soil/Sediment Ingestion Rate (g/day)		
Northern bobwhite	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2% for omnivores (Beyer 1994)

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Exposure Parameter	Mean	Reference and Basis of Value
Eastern cottontail	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2.4% for herbivores (Beyer 1994)
American Robin	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2% for omnivores (Beyer 1994)
Deer mouse	See Note 1	Deer mouse consumption habits are assumed to be similar to those of the white-footed mouse. Ingestion of soil (I_{soil}) as percentage of food intake reported at 2% for white-footed mouse (Beyer 1994)
Song sparrow	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2% for white-footed mouse (Beyer 1994)
Meadow vole	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2.4% for meadow vole (Beyer 1994)
Red-winged blackbird	See Note 1	Ingestion of soil (I_{soil}) as percentage of food intake reported at 2% for white-footed mouse (Beyer 1994)
Great blue heron	See Note 1	Ingestion of sediment (I_{sed}) as percentage of food intake based on 0.7%of IR, which is based on studies of the bald eagle (Pascoe and others 1996)
Mallard duck	See Note 1	Ingestion of sediment (I_{sed}) as percentage of food intake reported at 3.3% for mallard (Beyer 1994)
Raccoon	See Note 1	Ingestion of soil/sediment ($I_{soil/sed}$) as percentage of food intake reported at 9.4% for raccoon (Beyer 1994)
Mink	See Note 1	Mink food consumption habits are assumed to be similar to those of the raccoon. Ingestion of soil/sediment ($I_{soil/sed}$) as percentage of food intake reported at 9.4% for raccoon (Beyer 1994)
Coyote	See Note 1	Coyote food consumption habits are assumed to be similar to those of the red fox. Based on ingestion of soil (I_{soil}) as percentage of food intake reported at 2.8% for the red fox (Beyer 1994)
Northern harrier	See Note 1	Harrier food consumption habits are assumed to be similar to those of bald eagles. Based on 0.7% of estimated sediment ingestion rate for bald eagle in Pascoe and others (1996)

Notes:

BW Body weight	EPA U.S. Environmental Protection Agency	g/day	Grams per day	kg	Kilogram
		IR	Ingestion rate	L/day	Liter per day

TABLE C-8: SUMMARY OF EXPOSURE PARAMETER BASIS FOR BIRDS AND MAMMALS ACTION LEVEL DETERMINATIONS SOUTHEAST IDAHO PHOSPHATE RESOURCE AREA

Note 1: Body weight was used as a stochastic variable in the analysis. Since these values are dependent on body weight, specific values are not presented.

Note 2: Water intake requirements were assumed to be met through food intake.

Note 3: Nagy equations allow ingestion rate parameter to be calculated based on Dry Matter Intake (DMI) or Fresh Food Intake (FFI) in accordance with available input data.

TABLE C-9
SUMMARY OF DESCRIPTIVE STATISTICS FOR BACKGROUND AREAS

Medium	Chemical	Distribution[a]	SUMMARY STATISTICS												
			Sample Size		Detection Frequency (Percent)	Censored Data		Detected Data		Detected & Censored Data					
			Detected	Total		Min	Max	Min	Max	Median[b]	Q95[b]	Mean[c]	SD[c]	CV	UCL_{95}[d]
Benthic Macroinvertebrate	Cadmium	Not Tested	12	39	31	0.12	3.30	0.18	4.00	1.65	3.80	N/A	N/A	N/A	N/A
	Chromium	Not Tested	2	2	100	N/A	N/A	0.09	0.51	0.30	0.51	N/A	N/A	N/A	N/A
	Copper	Not Tested	3	3	100	N/A	N/A	1.00	2.70	2.50	2.70	2.07	0.93	45	3.63
	Nickel	Not Tested	1	1	100	N/A	N/A	0.27	0.27	0.27	0.27	N/A	N/A	N/A	N/A
	Selenium	Unknown[b]	35	39	90	0.40	0.47	0.29	12.00	2.80	11.00	4.15	0.92	22	6.82
	Vanadium	Not Tested	2	2	100	N/A	N/A	0.45	0.59	0.52	0.59	N/A	N/A	N/A	N/A
	Zinc	Not Tested	3	3	100	N/A	N/A	18.5	45.3	30.30	45.30	31.37	13.43	43	54.01
Fish	Cadmium	Unknown[b]	38	50	76	0.50	0.50	0.06	4.50	0.17	0.66	0.51	0.20	39	1.26
	Chromium	Not Tested	4	4	100	N/A	N/A	1.20	2.20	1.50	2.20	1.60	0.24	15	2.64
	Copper	Not Tested	4	4	100	N/A	N/A	2.20	5.30	3.65	5.30	3.70	0.77	21	8.38
	Nickel	Not Tested	3	3	100	N/A	N/A	0.37	0.57	0.43	0.57	0.46	0.06	13	0.79
	Selenium	Lognormal	63	63	100	N/A	N/A	0.52	22.00	3.00	11.60	3.95	0.41	10	4.80
	Vanadium	Not Tested	0	4	0	0.42	0.51	N/A	N/A	0.22	0.25	N/A	N/A	N/A	N/A
	Zinc	Not Tested	4	4	100	N/A	N/A	71.20	81.40	74.05	81.40	75.17	2.19	3	N/A
Aquatic Plant	Cadmium	Lognormal	24	37	65	0.14	0.14	0.06	1.10	0.33	0.83	0.38	0.05	13	0.50
	Chromium	Not Tested	4	4	100	N/A	N/A	1.30	23.00	8.40	23.00	11.03	5.99	54	3,681.29
	Copper	Not Tested	4	4	100	N/A	N/A	1.80	6.50	4.25	6.50	4.22	1.31	31	22.90
	Nickel	Not Tested	4	4	100	N/A	N/A	0.49	9.40	4.00	9.40	4.99	2.81	56	2,928.56
	Selenium	Lognormal	37	37	100	N/A	N/A	0.41	12.00	1.40	7.95	2.10	0.28	13	2.75
	Vanadium	Not Tested	4	4	100	N/A	N/A	0.18	2.50	0.86	2.50	1.13	0.57	51	149.97
	Zinc	Not Tested	4	4	100	N/A	N/A	26.60	58.10	39.05	58.10	40.69	6.50	16	70.26
Terrestrial Plant	Cadmium	Unknown[b]	30	30	100	N/A	N/A	0.06	3.70	0.25	2.88	0.45	0.10	22	0.74
	Chromium	Unknown[a]	30	30	100	N/A	N/A	0.55	9.90	1.60	6.00	1.76	1.64	93	2.27
	Copper	Unknown[a]	30	30	100	N/A	N/A	3.00	15.00	4.30	12.25	5.45	2.59	48	6.25
	Nickel	Unknown[a]	30	30	100	N/A	N/A	0.24	4.30	0.51	3.20	0.86	0.86	100	1.13
	Selenium	Lognormal	30	30	100	N/A	N/A	0.05	0.75	0.20	0.64	0.24	0.03	11	0.30
	Vanadium	Lognormal	25	25	100	N/A	N/A	0.18	5.50	0.55	4.42	0.74	0.13	17	1.07
	Zinc	Unknown[b]	30	30	100	N/A	N/A	14.00	140.00	24.00	108.10	31.93	3.05	10	38.42
Small Mammals	Cadmium	Lognormal	27	28	96	0.00	0.00	0.01	0.99	0.02	0.97	0.14	0.06	42	0.45
	Chromium	Lognormal	28	28	100	N/A	N/A	0.27	1.10	0.46	0.90	0.48	0.03	5	0.53
	Copper	Lognormal	28	28	100	N/A	N/A	0.50	3.40	1.35	3.40	1.48	0.14	10	1.78
	Nickel	Normal	27	28	96	0.01	0.01	0.01	0.32	0.18	0.31	0.17	0.09	54	0.19
	Selenium	Unknown[b]	28	28	100	N/A	N/A	0.15	2.10	0.29	1.59	0.36	0.04	11	0.46
	Vanadium	Lognormal	15	28	54	0.10	0.10	0.10	0.29	0.10	0.26	0.11	0.01	10	0.14
	Zinc	Lognormal	28	28	100	N/A	N/A	7.90	58.00	18.00	52.60	22.50	2.41	11	27.79
Terrestrial Invertebrate	Cadmium	Normal	12	12	100	N/A	N/A	0.09	12.00	5.95	12.00	5.52	3.85	70	7.51
	Chromium	Normal	12	12	100	N/A	N/A	2.50	10.00	6.10	10.00	6.70	2.43	36	7.96
	Copper	Unknown[b]	12	12	100	N/A	N/A	0.91	44.00	1.85	44.00	8.07	3.70	46	49.24
	Nickel	Normal	12	12	100	N/A	N/A	1.10	5.70	3.05	5.70	2.93	1.22	41	3.56
	Selenium	Lognormal	20	20	100	N/A	N/A	0.58	28.00	3.70	28.00	10.09	3.59	36	28.48
	Vanadium	Unknown[a]	12	12	100	N/A	N/A	0.63	31.00	23.50	31.00	18.43	11.22	61	24.24
	Zinc	Normal	12	12	100	N/A	N/A	100.00	370.00	205.00	370.00	207.50	82.14	40	250.09
Riparian Soil	Cadmium	Lognormal	19	19	100	N/A	N/A	0.42	2.70	0.94	2.70	1.04	0.10	10	1.27
	Chromium	Lognormal	20	20	100	N/A	N/A	30.00	110.00	44.50	108.15	51.80	3.70	7	59.37
	Copper	Normal	20	20	100	N/A	N/A	6.80	26.00	18.00	25.95	17.19	4.55	26	18.95
	Nickel	Normal	20	20	100	N/A	N/A	5.80	37.00	24.00	36.80	22.79	6.92	30	25.47
	Selenium	Normal	20	20	100	N/A	N/A	0.36	2.30	1.00	2.26	1.01	0.45	45	1.18

TABLE C-9
SUMMARY OF DESCRIPTIVE STATISTICS FOR BACKGROUND AREAS

	Vanadium	Normal	20	20	100	N/A	N/A	27.00	83.00	50.50	82.35	51.80	12.43	24	56.61
	Zinc	Unknown[a]	20	20	100	N/A	N/A	39.00	190.00	97.50	187.50	97.35	29.57	30	108.78
Upland Soil	Cadmium	Unknown[b]	14	14	100	N/A	N/A	0.57	14.00	0.81	14.00	2.75	1.00	36	8.81
	Chromium	Unknown[b]	14	14	100	N/A	N/A	21.00	130.00	35.00	130.00	46.30	7.82	17	68.31
	Copper	Lognormal	14	14	100	N/A	N/A	9.60	32.00	16.50	32.00	17.56	2.12	12	22.69
	Nickel	Lognormal	14	14	100	N/A	N/A	12.00	47.00	21.50	47.00	24.62	3.39	14	33.24
	Selenium	Lognormal	13	14	93	0.04	0.04	0.41	3.30	0.62	3.30	1.01	0.25	25	1.92
	Vanadium	Normal	14	14	100	N/A	N/A	25.00	100.00	46.00	100.00	49.50	22.85	46	60.31
	Zinc	Unknown[b]	14	14	100	N/A	N/A	40.00	660.00	99.00	660.00	165.20	44.04	27	341.77
Sediment	Cadmium	Lognormal	12	12	100	N/A	N/A	0.10	5.10	0.64	5.10	1.07	0.45	42	5.16
	Chromium	Lognormal	12	12	100	N/A	N/A	11.00	100.00	37.00	100.00	39.59	6.55	17	58.29
	Copper	Normal	12	12	100	N/A	N/A	3.20	25.00	10.70	25.00	11.34	5.97	53	14.44
	Nickel	Lognormal	12	12	100	N/A	N/A	6.40	44.00	18.00	44.00	19.13	2.75	14	26.42
	Selenium	Normal	12	12	100	N/A	N/A	0.52	2.60	1.05	2.60	1.22	0.58	48	1.52
	Vanadium	Normal	12	12	100	N/A	N/A	14.00	72.00	33.00	72.00	35.29	17.57	50	44.40
	Zinc	Lognormal	12	12	100	N/A	N/A	38.00	210.00	80.50	210.00	83.53	11.29	14	112.67
Surface Water (stream)	Copper	Not Tested	10	29	34	0.0001	0.0010	0.0002	0.0033	0.0001	0.0030	N/A	N/A	N/A	N/A
	Nickel	Normal	20	29	69	0.0001	0.0001	0.0003	0.0040	0.0009	0.0034	0.0011	0.0009	81	0.0014
	Selenium	Not Tested	3	29	10	0.0010	0.0010	0.0011	0.0016	0.0005	0.0015	N/A	N/A	N/A	N/A
	Cadmium	Not Tested	6	29	21	0.0001	0.0002	0.0001	0.0007	0.0000	0.0006	N/A	N/A	N/A	N/A
	Chromium	Not Tested	6	27	22	0.0001	0.0005	0.0004	0.0058	0.0001	0.0049	N/A	N/A	N/A	N/A
	Vanadium	Not Tested	14	29	48	0.0001	0.0003	0.0005	0.0081	0.0005	0.0061	N/A	N/A	N/A	N/A
	Zinc	Lognormal	15	29	52	0.0100	0.0100	0.0100	0.0590	0.0100	0.0565	0.0145	0.0033	23	0.0246

Notes:

All concentration units are milligrams/kilogram for soil/sediment and tissue and milligrams/liter for surface water

a For all cases with at least 5 detected samples, tested using the Shapiro-Wilk W test (alpha equal to 0.05). Distributions confirmed as normal or lognormal are listed as "Normal" or "Lognormal."

probability plots and box plots. Distributions assumed to be normal or lognormal are listed as Unknown[a] or Unknown[b].

b Estimated for all cases using a nonparametric approach, based on rank ordering of the data

c For all cases with at least 3 samples and a detection frequency of 50 percent, calculated using distribution-dependent formulae. For lognormal distributions, the mean and SD

d The UCL95 for lognormal distributions was calculated using Land's method (EPA 1992, Gilbert 1987).

e The lesser of the UCL95 and the maximum detected concentration. If the UCL95 was not calculated, the maximum detected concentration was used.

* Could not be estimated using Land's method

EPC Exposure point concentration

CV Coefficient of variation ([SD/mean]*100)

Min Minimum concentration reported

Max Maximum concentration reported

N/A Not applicable

Q95 95th percentile (quantile)

SD Standard deviation

UCL_{95} The one-sided 95 percent upper confidence limit of the mean

Unknown[a] Distribution assumed to be normal based on examination of probability plots and outlier box plots

Unknown[b] Distribution assumed to be lognormal based on examination of probability plots and outlier box plots

References

Gilbert, R. O. 1987. *Statistical Methods for Environmental Pollution Monitoring*. John Wiley & Sons, Inc., New York, NY.

U.S. Environmental Protection Agency (EPA). 1992. "Supplemental Guidance to RAGS: Calculating the Concentration Term". Intermittent Bulletin, Volume 1, Number 1. Publication 9285.7-081.

TABLE C-10
SUMMARY OF DESCRIPTIVE STATISTICS FOR IMPACTED AREAS

Medium	Chemical	Distribution[a]	SUMMARY STATISTICS												
			Sample Size		Detection Frequency (Percent)	Censored Data		Detected Data		Detected & Censored Data					
			Detected	Total		Min	Max	Min	Max	Median[b]	Q95[b]	Mean[c]	SD[c]	CV	UCL_{95}[d]
Benthic Macroinvertebrate	Cadmium	Not Tested	22	60	37	1.00	3.30	0.07	62.00	0.48	33.68	N/A	N/A	N/A	N/A
	Chromium	Not Tested	3	3	100	N/A	N/A	0.42	1.80	0.98	1.80	1.07	0.69	65	2.24
	Copper	Not Tested	4	4	100	N/A	N/A	1.80	7.10	3.05	7.10	3.75	2.46	66	6.65
	Nickel	Not Tested	4	4	100	N/A	N/A	0.28	4.20	0.77	4.20	1.51	1.82	121	3.64
	Selenium	Unknown[b]	60	60	100	N/A	N/A	0.92	170.00	4.60	99.15	13.21	2.79	21	20.65
	Vanadium	Not Tested	3	3	100	N/A	N/A	0.54	1.60	0.99	1.60	1.04	0.53	51	1.94
	Zinc	Not Tested	4	4	100	N/A	N/A	13.60	122.00	45.30	122.00	56.55	46.40	82	111.15
Fish	Cadmium	Unknown[b]	56	81	69	0.50	0.50	0.06	34.20	0.19	2.31	0.85	0.34	40	1.80
	Chromium	Not Tested	4	4	100	N/A	N/A	2.20	3.60	2.65	3.60	2.77	0.34	12	4.07
	Copper	Not Tested	4	4	100	N/A	N/A	4.00	7.70	5.70	7.70	5.78	0.78	13	8.88
	Nickel	Not Tested	4	4	100	N/A	N/A	0.59	1.20	0.83	1.20	0.86	0.13	15	1.42
	Selenium	Unknown[b]	105	107	98	0.10	0.10	0.36	37.00	5.40	23.92	7.56	0.82	11	9.24
	Vanadium	Not Tested	0	4	0	0.44	0.60	N/A	N/A	0.24	0.30	N/A	N/A	N/A	N/A
	Zinc	Not Tested	4	4	100	N/A	N/A	87.90	124.00	106.75	124.00	106.35	10.27	10	140.48
Aquatic Plant	Cadmium	Unknown[b]	75	75	100	N/A	N/A	0.04	41.00	1.10	29.80	3.24	0.66	20	4.85
	Chromium	Normal	6	6	100	N/A	N/A	5.20	52.60	24.65	52.60	26.28	20.51	78	43.16
	Copper	Normal	6	6	100	N/A	N/A	1.70	11.40	5.45	11.40	5.55	3.30	59	8.26
	Nickel	Normal	6	6	100	N/A	N/A	2.50	24.20	12.40	24.20	13.03	9.85	76	21.14
	Selenium	Unknown[b]	75	75	100	N/A	N/A	0.59	62.00	4.40	41.00	7.70	0.98	13	9.85
	Vanadium	Normal	6	6	100	N/A	N/A	0.35	24.40	7.25	24.40	8.92	9.11	102	16.41
	Zinc	Lognormal	6	6	100	N/A	N/A	35.30	162.00	60.30	162.00	70.39	15.10	21	136.43
Terrestrial Plant	Cadmium	Unknown[a]	39	39	100	N/A	N/A	0.11	46.00	0.55	3.70	2.10	7.27	346	4.06
	Chromium	Unknown[b]	39	39	100	N/A	N/A	0.48	5.70	1.20	5.40	1.51	0.16	11	1.86
	Copper	Unknown[a]	39	39	100	N/A	N/A	3.40	14.00	4.70	12.00	5.57	2.35	42	6.21
	Nickel	Unknown[a]	39	39	100	N/A	N/A	0.35	8.60	1.80	5.10	2.18	1.80	83	2.66
	Selenium	Lognormal	39	39	100	N/A	N/A	0.09	39.00	2.50	26.00	7.72	2.51	33	17.01
	Vanadium	Lognormal	36	36	100	N/A	N/A	0.21	5.30	0.77	3.35	0.98	0.11	12	1.22
	Zinc	Unknown[b]	39	39	100	N/A	N/A	20.00	790.00	33.00	160.00	58.13	7.47	13	75.22
Small Mammals	Cadmium	Lognormal	29	29	100	N/A	N/A	0.00	0.14	0.03	0.13	0.04	0.01	21	0.07
	Chromium	Lognormal	29	29	100	N/A	N/A	0.33	1.50	0.62	1.25	0.66	0.04	6	0.73
	Copper	Unknown[b]	29	29	100	N/A	N/A	0.60	5.10	1.20	3.45	1.25	0.10	8	1.44
	Nickel	Unknown[b]	28	29	97	0.01	0.01	0.02	1.60	0.25	1.09	0.33	0.05	16	0.47
	Selenium	Unknown[b]	29	29	100	N/A	N/A	0.19	7.00	0.86	6.10	1.87	0.50	27	3.58
	Vanadium	Not Tested	10	29	34	0.10	0.10	0.10	0.26	0.07	0.21	N/A	N/A	N/A	N/A
	Zinc	Unknown[b]	29	29	100	N/A	N/A	9.40	22.00	14.00	21.50	14.71	0.76	5	16.16
Terrestrial Invertebrate	Cadmium	Lognormal	30	30	100	N/A	N/A	0.36	70.00	4.35	65.05	9.04	2.64	29	18.77
	Chromium	Lognormal	30	30	100	N/A	N/A	2.30	26.00	5.70	24.35	7.64	1.04	14	10.12
	Copper	Unknown[a]	30	30	100	N/A	N/A	1.30	49.00	15.00	46.25	19.68	15.08	77	24.36
	Nickel	Lognormal	30	30	100	N/A	N/A	0.83	12.00	3.00	10.35	3.92	0.60	15	5.41
	Selenium	Lognormal	33	33	100	N/A	N/A	1.30	260.00	13.00	204.00	33.37	10.39	31	72.32
	Vanadium	Lognormal	30	30	100	N/A	N/A	0.22	62.00	2.25	53.75	8.95	3.66	41	27.86
	Zinc	Lognormal	30	30	100	N/A	N/A	140.00	400.00	200.00	378.00	229.42	11.20	5	250.64
Riparian Soil	Cadmium	Lognormal	20	20	100	N/A	N/A	0.23	63.00	2.45	60.33	4.14	1.19	29	8.85
	Chromium	Unknown[a]	21	21	100	N/A	N/A	16.00	970.00	59.00	888.00	103.24	200.62	194	178.74
	Copper	Unknown[b]	21	21	100	N/A	N/A	6.20	120.00	21.00	111.80	23.86	3.46	15	32.48
	Nickel	Lognormal	21	21	100	N/A	N/A	11.00	280.00	34.00	270.00	47.90	8.80	18	72.52
	Selenium	Unknown[a]	21	21	100	N/A	N/A	0.88	150.00	1.70	137.90	10.49	32.53	310	22.74
	Vanadium	Unknown[a]	21	21	100	N/A	N/A	15.00	500.00	66.00	464.00	82.14	99.50	121	119.59
	Zinc	Unknown[a]	21	21	100	N/A	N/A	33.00	1,400.00	130.00	1,297.00	191.81	285.28	149	299.18
	Cadmium	Lognormal	19	19	100	N/A	N/A	0.65	14.00	2.80	14.00	4.54	1.12	25	8.44
	Chromium	Lognormal	19	19	100	N/A	N/A	16.00	191.00	49.00	191.00	65.65	10.10	15	91.74
	Copper	Lognormal	19	19	100	N/A	N/A	4.20	44.00	14.00	44.00	14.81	2.23	15	20.51

TABLE C-10
SUMMARY OF DESCRIPTIVE STATISTICS FOR IMPACTED AREAS

Medium	Chemical	Distribution[a]	SUMMARY STATISTICS												
			Sample Size		Detection Frequency (Percent)	Censored Data		Detected Data		Detected & Censored Data					
			Detected	Total		Min	Max	Min	Max	Median[b]	Q95[b]	Mean[c]	SD[c]	CV	UCL_{95}[d]
Sediment	Nickel	Lognormal	19	19	100	N/A	N/A	11.00	164.00	27.00	164.00	41.01	7.40	18	61.73
	Selenium	Unknown[b]	19	19	100	N/A	N/A	1.10	188.00	3.40	188.00	12.50	4.73	38	39.55
	Vanadium	Normal	19	19	100	N/A	N/A	14.00	133.00	49.00	133.00	54.28	30.43	56	66.39
	Zinc	Lognormal	19	19	100	N/A	N/A	35.00	866.00	110.00	866.00	196.03	44.13	23	338.91
Surface Water (mine)	Cadmium	Lognormal	52	80	65	0.0001	0.0001	0.0001	0.0500	0.0003	0.0094	0.0041	0.0023	56	0.0122
	Chromium	Lognormal	71	80	89	0.0005	0.0005	0.0005	0.0380	0.0044	0.0230	0.0071	0.0010	14	0.0093
	Copper	Unknown[b]	80	80	100	N/A	N/A	0.0004	0.0044	0.0015	0.0040	0.0017	0.0001	7	0.0019
	Nickel	Unknown[b]	80	80	100	N/A	N/A	0.0007	1.5000	0.0081	0.3055	0.0482	0.0160	33	0.0909
	Selenium	Lognormal	74	80	92	0.0010	0.0010	0.0013	2.2000	0.0255	1.6580	0.2510	0.1310	52	0.6779
	Vanadium	Lognormal	71	80	89	0.0003	0.0003	0.0004	3.0000	0.0076	0.0715	0.0232	0.0069	30	0.0412
	Zinc	Lognormal	40	80	50	0.0100	0.0100	0.0100	6.6000	0.0081	0.8165	0.3729	0.2903	78	2.2205
Surface Water (stream)	Copper	Not Tested	32	65	49	0.0001	0.0005	0.0002	0.0150	0.0002	0.0023	N/A	N/A	N/A	N/A
	Nickel	Unknown[b]	47	65	72	0.0001	0.0001	0.0004	0.0430	0.0011	0.0079	0.0018	0.0004	20	0.0027
	Selenium	Lognormal	41	66	62	0.0010	0.0010	0.0010	1.1400	0.0013	0.0725	0.0092	0.0050	54	0.0284
	Cadmium	Not Tested	12	66	18	0.0001	0.0001	0.0001	0.0023	0.0000	0.0006	N/A	N/A	N/A	N/A
	Chromium	Not Tested	16	66	24	0.0001	0.0005	0.0002	0.0046	0.0002	0.0017	N/A	N/A	N/A	N/A
	Vanadium	Lognormal	46	66	70	0.0003	0.0003	0.0003	0.0062	0.0010	0.0043	0.0012	0.0002	13	0.0016
	Zinc	Unknown[b]	43	66	65	0.0100	0.0100	0.0100	0.1200	0.0110	0.0926	0.0231	0.0045	20	0.0345

Notes:

All concentration units are milligrams/kilogram for soil/sediment and tissue and milligrams/liter for surface water

a For all cases with at least 5 detected samples, tested using the Shapiro-Wilk W test (alpha equal to 0.05). Distributions confirmed as normal or lognormal are listed as "Normal" or "Lognormal."
For cases with fewer than 5 detected samples, distribution testing was not conducted. For cases in which distributions could not be confirmed using the Shipiro-Wilk W test, distributions were estimated using probability plots and box plots. Distributions assumed to be normal or lognormal are listed as Unknown[a] or Unknown[b].

b Estimated for all cases using a nonparametric approach, based on rank ordering of the data

c For all cases with at least 3 samples and a detection frequency of 50 percent, calculated using distribution-dependent formulae. For lognormal distributions, the mean and SD are the minimum variance unbiased (MVU) estimators, following equations 13.3 and 13.5 in Gilbert (1987). For cases with 3 or 4 samples and detection frequencies of at least 50%, a normal model is assumed.

d The UCL95 for lognormal distributions was calculated using Land's method (EPA 1992, Gilbert 1987).

e The lesser of the UCL95 and the maximum detected concentration. If the UCL95 was not calculated, the maximum detected concentration was used.

* Could not be estimated using Land's method

EPC Exposure point concentration
CV Coefficient of variation ([SD/mean]*100)
Min Minimum concentration reported
Max Maximum concentration reported
N/A Not applicable
Q95 95th percentile (quantile)
SD Standard deviation
UCL_{95} The one-sided 95 percent upper confidence limit of the mean
Unknown[a] Distribution assumed to be normal based on examination of probability plots and outlier box plots
Unknown[b] Distribution assumed to be lognormal based on examination of probability plots and outlier box plots

References

Gilbert, R. O. 1987. *Statistical Methods for Environmental Pollution Monitoring*. John Wiley & Sons, Inc., New York, NY.

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