Table 4-1
Remedial Investigation Analyte List
Anaconda Copper Mine Site
Lyon County, Nevada

Parameters	Total Soil Analytical Methods	MWMP Soil Extract[1] Analytical Methods
Metals		
Aluminum	EPA 6010B	EPA 6010D
Antimony	EPA 6020	EPA 6020B
Arsenic	EPA 6020	EPA 6020B
Barium	EPA 6020	EPA 6010D
Beryllium	EPA 6020	EPA 6020B
Boron	EPA 6010B	EPA 6010D
Cadmium	EPA 6020	EPA 6020B
Calcium	EPA 6010B	EPA 6010D
Chromium	EPA 6020	EPA 6020B
Cobalt	EPA 6020	EPA 6020B
Copper	EPA 6020	EPA 6020B
Iron	EPA 6010B	EPA 6010D
Lead	EPA 6020	EPA 6020B
Lithium	EPA 6010B	EPA 6010D
Magnesium	EPA 6010B	EPA 6010D
Manganese	EPA 6020	EPA 6020B
Mercury	EPA 7471A	EPA 7470A
Molybdenum	EPA 6020	EPA 6020B
Nickel	EPA 6020	EPA 6020B
Phosphorus	EPA 6010B	EPA 6010D
Potassium	EPA 6010B	EPA 6010D
Selenium	EPA 6020	EPA 6020B
Silver	EPA 6020	EPA 6020B
Sodium	EPA 6010B	EPA 6010D
Strontium	EPA 6010B	EPA 6010D
Thallium	EPA 6020	EPA 6020B
Thorium	EPA 6020A	EPA 6020B
Tin	EPA 6010B	EPA 6010D
Titanium	EPA 6010B	EPA 6010D
Uranium	EPA 6020A	EPA 6020B
Vanadium	EPA 6020	EPA 6020B
Zinc	EPA 6020	EPA 6020B
Radionuclide Parameters		
Radium-226	901.1Mod	EPA 903.0
Radium-228	901.1Mod	EPA 904.0
Acid Base Account[2]		
Acid Base Account/Sulfur Forms	Nevada Modified Sobek	NA
Net Acid Generation	Stewart, 2006	NA
General Chemistry Parameters[3]		
Alkalinity, Bicarbonate (as $CaCO_3$)	NA	SM 2320B
Alkalinity, Total (as $CaCO_3$)	NA	SM 2320B
Chloride	NA	SM 4500-Cl-E
Fluoride	NA	SM 4500-F-C
Nitrate + Nitrite, as Nitrogen	NA	EPA 353.2
Nitrogen, Total Kjeldahl	NA	EPA 351.2
Sulfate	NA	ASTM D516
pH	NA	EPA 9045D/M9040C
Total Dissolved Solids	NA	SM 2540C
Weak Acid Dissociable Cyanide	NA	SM 4500 CN-I,E

Note(s):
1. MWMP extract performed using ASTM E242-13.
2. Acid Base Account analysis not applicable to MWMP soil extract (i.e., leachate) samples.
3. General chemistry parameters applicable to the MWMP soil extract samples only.

Abbreviation(s):
ASTM = ASTM International
$CaCO_3$ = calcium carbonate
EPA = Environmental Protection Agency
NA = Not applicable
SM = Standard Methods for Water and Wastewater

Table 4-2

Soil Metal and Radionuclide Summary Statistics for OU-4b[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	Antimony (mg/kg)	Chromium, Total (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Magnesium (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Selenium (mg/kg)	Uranium (mg/kg)	Radium-226 (pCi/g)	Radium-228 (pCi/g)
BCL											
Sub-area A-1	0.94	11	58	19,502	6,314	0.031	1.7	0.8	2.9	2.04	2.24
All OU-4b Samples[2]											
Number of Observations	176	176	176	176	176	176	176	176	176	176	176
Number of Detections	105	176	176	176	176	162	173	176	176	176	175
Detection Frequency	60%	100%	100%	100%	100%	92%	98%	100%	100%	100%	99%
Minimum Detection	0.29	3.5	10	6800	1400	0.013	0.67	0.62	0.72	0.49	0.534
Maximum Detection	30	50	2800	61000	11000	6.7	20	7.5	62	7.44	7.6
Mean	1.9	7.9	912	15284	5590	0.23	3.2	2.6	3.3	1.77	1.2
Median	0.63	6.6	835	14000	5600	0.09	2.7	2.2	1.8	1.56	1.1
Coefficient of Variation	2.14	0.593	0.574	0.422	0.209	2.820	0.723	0.487	1.62	0.555	0.554
Frequency above BCL	23%	10%	95%	13%	20%	85%	87%	98%	31%	26%	3%
Standard Deviation	4.002	4.68	523.4	6456	1169	0.657	2.311	1.256	5.339	0.982	0.687
75th Percentile	0.895	8.85	1200	17000	6200	0.17	3.5	3.2	3.85	2.06	1.353
25th Percentile	0.3	5.5	550	12000	4900	0.0435	2.1	1.7	1.3	1.148	0.919
IQR	0.6	3.35	650	5000	1300	0.13	1.40	1.50	2.55	0.91	0.43
VLT											
Number of Observations	62	62	62	62	62	62	62	62	62	62	62
Number of Detections	48	62	62	62	62	62	62	62	62	62	62
Detection Frequency	77%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Minimum Detection	0.38	3.5	390	8700	3000	0.035	1.6	1.8	0.72	1.06	0.534
Maximum Detection	30	33	2100	41000	8000	6.7	20	7.5	62	7.44	7.6
Mean	3.172	6.939	909	15700	5587	0.47	4.0	3.6	3.8	2.41	1.1
Median	1.2	5.7	825	14000	5600	0.21	3.2	3.4	1.7	2.08	0.95
Coefficient of Variation	1.71	0.598	0.434	0.442	0.167	2.16	0.81	0.346	2.10	0.457	0.861
Frequency above BCL	56%	8%	100%	21%	21%	100%	98%	100%	32%	50%	3%
Standard Deviation	5.407	4.15	394.4	6938	932.9	1.015	3.255	1.249	7.979	1.104	0.979
75th Percentile	2.15	6.95	1100	17000	6100	0.31	4.175	4.275	3.55	2.813	1.115
25th Percentile	0.743	5.1	615	11000	5025	0.113	2.6	2.7	1.2	1.733	0.82
IQR	1.41	1.85	485	6000	1075	0.2	1.58	1.58	2.35	1.08	0.3
Sulfide Tailings											
Number of Observations	77	77	77	77	77	77	77	77	77	77	77
Number of Detections	29	77	77	77	77	73	77	77	77	77	77
Detection Frequency	38%	100%	100%	100%	100%	95%	100%	100%	100%	100%	100%
Minimum Detection	0.3	3.7	130	6800	3500	0.013	1.3	1.1	0.73	0.49	0.622
Maximum Detection	1.2	19	2800	21000	9100	0.26	7.2	3.4	25	2.11	2.61
Mean	0.447	7.819	1057	13768	5706	0.0685	2.608	1.848	3.134	1.182	1.212
Median	0.4	7	940	13000	5700	0.054	2.5	1.8	1.9	1.15	1.19
Coefficient of Variation	0.406	0.38	0.509	0.219	0.179	0.67	0.387	0.235	1.037	0.309	0.273
Frequency above BCL	1%	10%	100%	5%	19%	84%	86%	100%	34%	4%	1%
Standard Deviation	0.18	2.972	538.1	3011	1021	0.0458	1.008	0.435	3.249	0.365	0.331
75th Percentile	0.36	9.5	1400	16000	6300	0.075	3.1	2	4.2	1.31	1.36
25th Percentile	0.29	6	620	12000	5000	0.035	1.9	1.6	1.4	0.897	0.997
IQR	0.07	3.5	780	4000	1300	0.04	1.2	0.4	2.8	0.41	0.36
VLT and Sulfide Tailings[3]											
Number of Observations	24	24	24	24	24	24	24	24	24	24	24
Number of Detections	18	24	24	24	24	24	24	24	24	24	23
Detection Frequency	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%
Minimum Detection	0.29	4.3	150	9100	4500	0.025	1.1	1.4	0.73	0.939	0.611
Maximum Detection	12	14	2400	36000	7800	0.9	7.3	6	7	5.62	3.42
Mean	1.343	8.096	864.6	16588	5929	0.142	3.242	2.729	2.764	2.189	1.418
Median	0.515	7.5	740	16000	5700	0.0905	2.8	2.6	2.15	1.98	1.22
Coefficient of Variation	2.021	0.325	0.598	0.381	0.162	1.25	0.481	0.379	0.636	0.477	0.451
Frequency above BCL	17%	13%	100%	13%	29%	92%	96%	100%	29%	46%	8%
Standard Deviation	2.715	2.631	517.4	6312	958.9	0.177	1.559	1.034	1.758	1.045	0.639
75th Percentile	0.718	9.6	1150	17000	6650	0.15	3.8	3.4	4.075	2.478	1.595
25th Percentile	0.365	6.15	437.5	12000	5175	0.0673	2.375	1.9	1.5	1.55	1.028
IQR	0.35	3.45	712.5	5000	1475	0.08	1.43	1.5	2.58	0.93	0.57
Calcines											
Number of Observations	1	1	1	1	1	1	1	1	1	1	1
Number of Detections	1	1	1	1	1	1	1	1	1	1	1
Detection Frequency	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Minimum Detection	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
Maximum Detection	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
Mean	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
Median	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
Coefficient of Variation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Frequency above BCL	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%
Standard Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
75th Percentile	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
25th Percentile	2.9	50	1100	61000	3800	0.065	9.5	6.1	16	1.23	3.22
IQR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native Soil											
Number of Observations	12	12	12	12	12	12	12	12	12	12	12
Number of Detections	9	12	12	12	12	2	9	12	12	12	12
Detection Frequency	75%	100%	100%	100%	100%	17%	75%	100%	100%	100%	100%
Minimum Detection	0.3	4.6	10	8400	1400	0.016	0.67	0.62	0.73	1.04	1.1
Maximum Detection	0.74	17	180	33000	11000	0.031	3.9	2.6	4.6	1.88	1.86
Mean	0.416	9.367	68.33	16450	4333	0.0235	1.751	1.333	1.666	1.43	1.453
Median	0.37	9.15	40	15000	3850	0.0235	1.3	1.35	1.4	1.415	1.405
Coefficient of Variation	0.339	0.312	0.884	0.375	0.537	0.451	0.699	0.429	0.651	0.206	0.152
Frequency above BCL	0%	0%	33%	17%	8%	0%	17%	75%	8%	0%	0%
Standard Deviation	0.141	2.925	60.39	6167	2329	0.0106	1.224	0.572	1.084	0.295	0.221
75th Percentile	0.395	10	112.5	17500	4525	0.015	1.45	1.475	1.85	1.608	1.61
25th Percentile	0.315	8	22.75	13500	3450	0.013	0.65	1.06	0.93	1.208	1.328
IQR	0.08	2	89.75	4000	1075	0.002	0.8	0.415	0.92	0.4	0.282

Note(s):

1. Data represent samples collected during the 2019-2020 investigation.
2. Locations are shown on Figure 4-1.
3. Samples in this category are from sample intervals that contained both VLT and sulfide tailings.

Abbreviation(s):

% = percent

BCL = Background Concentration Limit

IQR= interquartile range

mg/kg = milligrams per kilogram

pCi/g = picocuries per gram

NA = not applicable

Table 4-3

MWMP Metal and Radionuclide Summary Statistics for OU-4b[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	Antimony (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)	pH (pH units)
All OU-4b Samples[2]												
Number of Observations	91	91	91	91	91	91	91	91	91	91	91	91
Number of Detections	36	35	86	50	91	12	58	80	90	46	4	91
Detection Frequency	40%	38%	95%	55%	100%	13%	64%	88%	99%	51%	4%	100%
Minimum Detection	0.0004	0.0006	0.0009	0.04	0.4	0.0002	0.0002	0.0002	0.0003	0.41	5.6	3.2
Maximum Detection	0.0043	0.7	994	62.5	817	0.0039	0.333	0.116	4.6	6.9	16	8.9
Mean	0.0016	0.04	171	6.19	133	0.00068	0.0671	0.0306	0.41	1.4	8.5	5.5
Median	0.0013	0.005	82.4	0.625	101	0.00035	0.0322	0.0201	0.038	1.3	6.2	4.6
VLT												
Number of Observations	17	17	17	17	17	17	17	17	17	17	17	17
Number of Detections	6	7	17	14	17	3	3	15	16	8	0	17
Detection Frequency	35%	41%	100%	82%	100%	18%	18%	88%	94%	47%	0%	100%
Minimum Detection	0.0004	0.001	0.166	0.06	55.2	0.0002	0.0004	0.0022	0.0003	0.87	NA	3.5
Maximum Detection	0.0034	0.0184	548	8.26	239	0.0004	0.0323	0.0722	0.924	2	NA	7.7
Mean	0.0016	0.0081	186	1.37	126	0.0003	0.0115	0.0135	0.132	1.4	NA	4.4
Median	0.0011	0.008	135	0.495	114	0.0004	0.0018	0.0075	0.0327	1.3	NA	4.1
Sulfide Tailings												
Number of Observations	39	39	39	39	39	39	39	39	39	39	39	39
Number of Detections	19	8	37	13	39	6	31	33	39	17	3	39
Detection Frequency	49%	21%	95%	33%	100%	15%	79%	85%	100%	44%	8%	100%
Minimum Detection	0.0007	0.0069	0.0075	0.04	2.6	0.0002	0.0004	0.006	0.001	0.41	5.6	3.2
Maximum Detection	0.0036	0.7	755	62.5	817	0.0039	0.333	0.116	4.6	2.1	16	8.0
Mean	0.0016	0.17	167	14.9	147	0.00098	0.0856	0.0434	0.73	1.18	9.3	6.0
Median	0.0013	0.025	0.35	3	75.3	0.0004	0.0853	0.037	0.03	1.2	6.3	7.0
VLT and Sulfide Tailings[3]												
Number of Observations	22	22	22	22	22	22	22	22	22	22	22	22
Number of Detections	4	13	22	15	22	3	11	19	22	15	1	22
Detection Frequency	18%	59%	100%	68%	100%	14%	50%	86%	100%	68%	5%	100%
Minimum Detection	0.0006	0.0006	3.16	0.06	27.9	0.0003	0.0002	0.0039	0.0065	0.62	6.1	3.4
Maximum Detection	0.0043	0.0558	994	11.1	419	0.0007	0.0103	0.104	2.2	6.9	6.1	6.9
Mean	0.0019	0.0105	243	2.00	162	0.0004	0.0022	0.0362	0.26	1.7	6.1	4.3
Median	0.0013	0.0047	163	0.44	160	0.0003	0.0012	0.0289	0.07	1.4	6.1	3.9
Calcines												
Number of Observations	1	1	1	1	1	1	1	1	1	1	1	1
Number of Detections	0	1	1	1	1	0	1	1	1	0	0	1
Detection Frequency	0%	100%	100%	100%	100%	0%	100%	100%	100%	0%	0%	100%
Minimum Detection	NA	0.0026	36.7	0.2	59.1	NA	0.0002	0.0157	0.0366	NA	NA	3.9
Maximum Detection	NA	0.0026	36.7	0.2	59.1	NA	0.0002	0.0157	0.0366	NA	NA	3.9
Mean	NA	0.0026	36.7	0.2	59.1	NA	0.0002	0.0157	0.0366	NA	NA	3.9
Median	NA	0.0026	36.7	0.2	59.1	NA	0.0002	0.0157	0.0366	NA	NA	3.9
Native Soil												
Number of Observations	12	12	12	12	12	12	12	12	12	12	12	12
Number of Detections	7	6	9	7	12	0	12	12	12	6	0	12
Detection Frequency	58%	50%	75%	58%	100%	0%	100%	100%	100%	50%	0%	100%
Minimum Detection	0.0006	0.0006	0.0009	0.07	0.4	NA	0.0005	0.0002	0.0004	0.8	NA	4.0
Maximum Detection	0.0036	0.0046	2.99	36.1	305	NA	0.324	0.069	0.0932	1.5	NA	8.9
Mean	0.0014	0.0024	0.658	9.41	51.8	NA	0.0983	0.0091	0.0233	1.3	NA	7.4
Median	0.0008	0.0023	0.0063	0.65	15.5	NA	0.0446	0.0043	0.0066	1.4	NA	7.75

Note(s):

1. Data represent samples collected during the 2019-2020 investigation.
2. Locations are shown on Figure 4-1.
3. Samples in this category are from sample intervals that contained both VLT and sulfide tailings.

Abbreviation(s):

% = percent

BCL = Background Concentration Limit

mg/L = milligrams per liter

pCi/L = picocuries per liter

NA = not applicable

Table 4-4

MWMP General Chemistry Summary Statistics for OU-4b[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	Alkalinity as CaCO3 (mg/L)	Alkalinity, Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrogen, Kjeldahl (mg/L)	Nitrogen, Nitrate/Nitrite (as N) (mg/L)	pH (SU)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Weak Acid Dissociable Cyanide (mg/L)
All OU-4b Samples[2]										
Number of Observations	91	91	91	91	91	75	91	91	91	91
Number of Detections	40	40	89	66	76	57	91	91	91	1
Detection Frequency	44%	44%	98%	73%	84%	76%	100%	100%	100%	1%
Minimum Detection	2.4	2.4	0.5	1.2	0.1	0.02	3.2	38.7	162	0.003
Maximum Detection	276	215	49.9	120	3.5	1.6	8.9	14000	21800	0.003
Mean	58.8	56.5	9.51	19	1.1	0.22	5.5	2167	3718	0.003
Median	48.6	48.6	6.7	6	0.85	0.12	4.6	1730	3170	0.003
VLT										
Number of Observations	17	17	17	17	17	17	17	17	17	17
Number of Detections	1	1	17	9	17	15	17	17	17	0
Detection Frequency	6%	6%	100%	53%	100%	88%	100%	100%	100%	0%
Minimum Detection	89.2	89.2	1.6	1.5	0.3	0.03	3.5	1320	2240	NA
Maximum Detection	89.2	89.2	12.6	60	2.4	0.87	7.7	3080	5130	NA
Mean	89.2	89.2	4.42	16	1.4	0.30	4.4	2058	3638	NA
Median	89.2	89.2	3.6	8	1.5	0.26	4.1	1940	3380	NA
Sulfide Tailings										
Number of Observations	39	39	39	39	39	29	39	39	39	39
Number of Detections	24	24	38	34	27	15	39	39	39	1
Detection Frequency	62%	62%	97%	87%	69%	52%	100%	100%	100%	3%
Minimum Detection	12.6	12.6	0.5	1.2	0.1	0.02	3.2	171	332	0.003
Maximum Detection	75.3	75.3	49.9	120	3.5	0.18	8	14000	21800	0.003
Mean	49.2	49.2	13.1	23	1.0	0.07	6	2313	3981	0.003
Median	48.6	48.6	8.6	5	0.8	0.05	7	1440	2710	0.003
VLT and Sulfide Tailings[3]										
Number of Observations	22	22	22	22	22	22	22	22	22	22
Number of Detections	5	5	21	12	22	20	22	22	22	0
Detection Frequency	23%	23%	95%	55%	100%	91%	100%	100%	100%	0%
Minimum Detection	2.4	2.4	1.5	3.4	0.4	0.02	3.4	1190	2500	NA
Maximum Detection	76	76	23.6	30	3.3	0.79	6.9	9730	14800	NA
Mean	26	26	8	16	1	0	4	2708	4546	NA
Median	10	10	7	15	1	0	4	2265	3830	NA
Calcines										
Number of Observations	1	1	1	1	1	0	1	1	1	1
Number of Detections	0	0	1	0	1	0	1	1	1	0
Detection Frequency	0%	0%	100%	0%	100%	NA	100%	100%	100%	0%
Minimum Detection	NA	NA	11.8	NA	0.6	NA	3.9	1100	1880	NA
Maximum Detection	NA	NA	11.8	NA	0.6	NA	3.9	1100	1880	NA
Mean	NA	NA	11.8	NA	0.6	NA	3.9	1100	1880	NA
Median	NA	NA	11.8	NA	0.6	NA	3.9	1100	1880	NA
Native Soil										
Number of Observations	12	12	12	12	12	7	12	12	12	12
Number of Detections	10	10	12	11	9	7	12	12	12	0
Detection Frequency	83%	83%	100%	92%	75%	100%	100%	100%	100%	0%
Minimum Detection	24.2	24.2	3	1.8	0.2	0.03	4	38.7	162	NA
Maximum Detection	276	215	19.4	30	1.2	1.6	8.9	2060	3240	NA
Mean	95.1	85.8	8.06	11	0.49	0.49	7.4	941	1610	NA
Median	60.9	60.9	6.7	5	0.4	0.06	7.8	775	1410	NA

Note(s):

1. Data represent samples collected during the 2019-2020 investigation.
2. Locations are shown on Figure 4-1.
3. Samples in this category are from sample intervals that contained both VLT and sulfide tailings

Abbreviation(s):

% = percent

mg/L = milligrams per liter

NA = not applicable

SU = standard units

Table 4-5

Acid Base Account Summary Statistics for OU-4b[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	AGP (TCaCO3/kT)	ANP (TCaCO3/kT)	NPR (ANP to AGP Ratio) (TCaCO3/kT)	NNP (TCaCO3/kT)	Sulfur, Total (%)	Pyritic Sulfur (%)	Non-H2O Sulfate Sulfur (%)	Non-Extractable Sulfur (%)	Potential Acid Generating Sulfur (%)	H2O-Soluble Sulfate (%)	Paste pH (SU)	Net Acid Generation pH (SU)	Net Acid Generation Test (kg H2SO4/T)
All OU-4b Samples[2]													
Number of Observations	91	91	91	91	91	91	91	91	91	91	91	91	91
Number of Detections	90	89	91	91	90	65	76	3	89	88	91	91	53
Detection Frequency	99%	98%	100%	100%	99%	71%	84%	3%	98%	97%	100%	100%	58%
Minimum Detection	0.63	1	0	-24.6	0.02	0.01	0.01	0.01	0.01	0.01	3.30	3.5	1
Maximum Detection	24.4	67	71.5	66.1	0.96	0.33	0.41	0.02	0.78	0.77	9.5	9.3	10
Mean	8.4	13	4.62	3.84	0.31	0.095	0.055	0.01	0.26	0.20	5.4	5.9	3
Median	6.9	11	1.52	3.63	0.26	0.07	0.03	0.01	0.21	0.15	4.5	5.6	2
VLT													
Number of Observations	17	17	17	17	17	17	17	17	17	17	17	17	17
Number of Detections	17	17	17	17	17	5	13	0	17	17	17	17	10
Detection Frequency	100%	100%	100%	100%	100%	29%	76%	0%	100%	100%	100%	100%	59%
Minimum Detection	3.75	3	0.189	-12.9	0.12	0.01	0.01	NA	0.09	0.09	3.7	4.5	1
Maximum Detection	15.9	16	4.27	12.3	0.85	0.03	0.34	NA	0.51	0.48	6.1	7.1	3
Mean	5.64	8.9	1.93	3.03	0.23	0.01	0.072	NA	0.17	0.17	4.3	5.7	2
Median	5.00	8.0	1.80	4.00	0.16	0.01	0.020	NA	0.14	0.14	4.1	5.6	2
Sulfide Tailings													
Number of Observations	39	39	39	39	39	39	39	39	39	39	39	39	39
Number of Detections	39	38	39	39	39	38	39	0	39	38	39	39	19
Detection Frequency	100%	97%	100%	100%	100%	97%	100%	0%	100%	97%	100%	100%	49%
Minimum Detection	1.88	3	0	-24.4	0.06	0.01	0.01	NA	0.05	0.01	3.3	3.8	1
Maximum Detection	24.4	28	14.9	26.1	0.96	0.3	0.18	NA	0.78	0.77	7.9	8.1	10
Mean	10.2	13	2.03	2.32	0.35	0.1	0.036	NA	0.31	0.21	5.9	6.0	4
Median	8.13	14	1.88	6.00	0.27	0.1	0.020	NA	0.24	0.09	6.8	6.1	3
VLT and Sulfide Tailings[3]													
Number of Observations	22	22	22	22	22	22	22	22	22	22	22	22	22
Number of Detections	22	22	22	22	22	18	18	0	22	22	22	22	19
Detection Frequency	100%	100%	100%	100%	100%	82%	82%	0%	100%	100%	100%	100%	86%
Minimum Detection	4.69	1	0.039	-24.6	0.15	0.01	0.01	NA	0.17	0.14	3.4	4.1	1
Maximum Detection	21.3	16	2.26	6.69	0.91	0.33	0.41	NA	0.68	0.6	7	6.5	8
Mean	9.6	9.0	1.03	-1.06	0.37	0.094	0.075	NA	0.31	0.23	4.4	5.1	2
Median	9.24	8.0	0.941	-0.47	0.32	0.045	0.055	NA	0.30	0.20	4.0	5.1	2

Table 4-5

Acid Base Account Summary Statistics for OU-4b[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	AGP (TCaCO3/kT)	ANP (TCaCO3/kT)	NPR (ANP to AGP Ratio) (TCaCO3/kT)	NNP (TCaCO3/kT)	Sulfur, Total (%)	Pyritic Sulfur (%)	Non-H2O Sulfate Sulfur (%)	Non-Extractable Sulfur (%)	Potential Acid Generating Sulfur (%)	H2O-Soluble Sulfate (%)	Paste pH (SU)	Net Acid Generation pH (SU)	Net Acid Generation Test (kg H2SO4/T)
Calcines													
Number of Observations	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of Detections	1	0	1	1	1	1	1	1	1	1	1	1	1
Detection Frequency	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Minimum Detection	8.8	NA	0	-8.8	0.64	0.07	0.34	0.02	0.28	0.21	3.9	3.5	7
Maximum Detection	8.8	NA	0	-8.8	0.64	0.07	0.34	0.02	0.28	0.21	3.9	3.5	7
Mean	8.8	NA	0	-8.8	0.64	0.07	0.34	0.02	0.28	0.21	3.9	3.5	7
Median	8.8	NA	0	-8.8	0.64	0.07	0.34	0.02	0.28	0.21	3.9	3.5	7
Native Soil													
Number of Observations	12	12	12	12	12	12	12	12	12	12	12	12	12
Number of Detections	11	12	12	12	11	3	5	2	10	10	12	12	4
Detection Frequency	92%	100%	100%	100%	92%	25%	42%	17%	83%	83%	100%	100%	33%
Minimum Detection	0.63	7	0.603	-4.8	0.02	0.01	0.01	0.01	0.01	0.01	4	4.8	5
Maximum Detection	12.8	67	71.5	66.1	0.42	0.02	0.05	0.01	0.41	0.41	9.5	9.3	6
Mean	3.896	24	23.8	19.9	0.13	0.02	0.024	0.01	0.13	0.12	7.5	7.0	6
Median	1.88	16	15.5	14.3	0.06	0.02	0.020	0.01	0.065	0.065	8.3	7.2	6

Note(s):

1. Data represent samples collected during the 2019-2020 investigation.
2. Locations are shown on Figure 4-1.
3. Samples in this category are from sample intervals that contained both VLT and sulfide tailings

Abbreviation(s):

% = percent
AGP = acid generating potential
ANP = acid neutralization potential
kg H2SO4/T = kilograms of sulfuric acid per ton
NNP = net neutralization potential
NPR = neutralization potential ratio
SU = standard unit
TCaCO3/kT = tons of calcium carbonate per kiloton

Table 4-6
Statistical Comparison Between Sulfide Tailings and VLT Material Types in OU-4b[1,2]
Anaconda Copper Mine Site
Lyon County, Nevada

Constituent of Interest	Medians		p-value	Significant Difference? [3]
	Sulfide	VLT		
Antimony	0.4	1.2	4.11E-17	**Yes**
Chromium, Total	7	5.7	0.00241	**Yes**
Copper	940	825	0.193	No
Iron	13000	14000	0.224	No
Magnesium	5700	5600	0.842	No
Mercury	0.054	0.21	2.47E-15	**Yes**
Molybdenum	2.5	3.2	3.52E-07	**Yes**
Selenium	1.8	3.4	5.12E-21	**Yes**
Uranium	1.9	1.65	0.305	No
Radium -226	1.15	2.08	3.35E-18	**Yes**
Radium -228	1.19	0.95	2.35E-05	**Yes**

Note(s):
1. Data represent sulfide tailings and VLT samples collected from OU-4b during the 2019-2020 investigation.
2. Values are in milligrams per kilogram in dry weight, with the exception of Radium-226 and Radium-228, which are in picocuries per gram.
3. Highlighted "Yes" values correspond to a p-value < 0.05 (five percent significance level) based on two-sample hypothesis testing, which suggests that there are significant differences between the medians of the two populations.

Abbreviation(s):
VLT = Vat Leach Tailings (oxide tailings)

Table 4-7

Statistical Comparison Between Depth Intervals in OU-4b[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

Constituent of Interest	0-0.5 ft bgs to 0.5-3 feet bgs Comparison				0-3 ft bgs to 3-6 feet bgs Comparison				0-6 ft bgs to 6-15 feet bgs Comparison			
	Medians		P-Value	Significant Difference? [3]	Medians		P-Value	Significant Difference? [3]	Medians		P-Value	Significant Difference? [3]
	0-0.5 feet bgs	0.5-3 feet bgs			0-3 feet bgs	3-6 feet bgs			0-6 feet bgs	6-15 feet bgs		
Antimony	1.2	0.83	0.0242	**Yes**	0.89	0.6	8.42E-06	**Yes**	0.85	0.41	1.39E-05	**Yes**
Chromium, Total	6.2	6.0	0.874	No	6	6.6	0.137	No	6.1	7.3	0.028	**Yes**
Copper	750	660	0.101	No	730	910	0.438	No	730	960	0.00341	**Yes**
Iron	14,000	15,000	0.846	No	15,000	14,000	0.817	No	14,000	13,000	0.941	No
Magnesium	5,500	5,500	0.986	No	5,500	5,600	0.734	No	5,600	6,100	0.00537	**Yes**
Mercury	0.17	0.11	0.0626	No	0.14	0.062	0.00254	**Yes**	0.12	0.078	0.032	**Yes**
Molybdenum	3.3	3.1	0.293	No	3.2	2.6	0.00354	**Yes**	3.1	2.3	8.61E-04	**Yes**
Selenium	3.4	2.7	0.00678	**Yes**	3.1	1.8	1.06E-05	**Yes**	2.7	2	0.00113	**Yes**
Uranium	2.2	1.4	0.0168	**Yes**	1.65	1.9	0.341	No	1.7	2.5	0.00435	**Yes**
Radium -226	1.93	1.92	0.304	No	1.925	1.29	8.29E-05	**Yes**	1.75	1.29	0.00109	**Yes**
Radium -228	0.866	1.04	0.203	No	0.969	1.16	0.00725	**Yes**	1.06	1.32	0.00382	**Yes**

Note(s):

1. Data represent samples collected from depth intervals in the upper 15 feet from OU-4b during the 2019-2020 investigation.
2. Values are in milligrams per kilogram in dry weight, with the exception of Radium-226, which are in picocuries per gram.
3. Highlighted "Yes" values correspond to a p-value < 0.05 (five percent significance level) based on two-sample hypothesis testing, which suggests that there are significant differences between the medians of the two populations.

Abbreviation(s):

bgs = below ground surface

Table 4-8

Statistical Comparison Between Sulfide Tailings and VLT by Geographic Position in OU-4b[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

Significant Difference Among OU-4b Locations								
	Northern and Southern Areas[3] VLT Comparison				Northern and Southern[3] Sulfide Tailings Comparison			
	Medians		P-Value	Significant Difference? [4]	Medians		P-Value	Significant Difference? [4]
Metal	**North VLT**	**South VLT**			**North Sulfide Tailings**	**South Sulfide Tailings**		
Antimony	2	0.88	0.84	No	0.395	0.4	0.48	No
Chromium, Total	5.3	7.6	1.70E-06	**Yes**	6.35	8	0.00132	**Yes**
Copper	910	690	0.0229	**Yes**	900	1000	0.91	No
Iron	11000	21000	1.60E-09	**Yes**	12000	14000	3.26E-05	**Yes**
Magnesium	5600	5300	0.385	No	5200	5900	9.22E-04	**Yes**
Mercury	0.23	0.15	0.123	No	0.05	0.058	0.284	No
Molybdenum	3	3.7	0.00264	**Yes**	2.45	2.5	0.0965	No
Selenium	3.3	3.4	0.194	No	1.7	1.8	0.121	No
Uranium	1.4	4.5	1.70E-06	**Yes**	1.7	3.8	0.00677	**Yes**
Radium -226	2.01	2.16	0.478	No	1.21	0.993	0.00742	**Yes**
Radium -228	0.863	1.22	7.26E-05	**Yes**	1.19	1.16	0.886	No

Note(s):

1. Data represent sulfide tailings and VLT samples collected during the 2019-2020 investigation.
2. Values are in milligrams per kilogram in dry weight, with the exception of Radium-226, which are in picocuries per gram.
3. Samples in the southern area are those behind the Phase 1 tailings embankment. Samples in the nothern area are those behind the Phase 2 tailings embankment.
4. Highlighted "Yes" values correspond to a p-value < 0.05 (five percent significance level) based on two-sample hypothesis testing, which suggests that there are significant differences between the medians of the two populations.

Abbreviation(s):

VLT = vat leach tailings

Table 4-9

Select Metal and Radionuclide Comparison Summary for OU-4b[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Antimony			Chromium, Total			Copper			Iron			Magnesium			Mercury		
OU-4b Mine Related Material[3]	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**
Number of Observations	163	3	4	163	3	4	163	3	4	163	3	4	163	3	4	163	3	4
Number of Detections	95	3	1	163	3	4	163	3	4	163	3	4	163	3	4	159	3	4
Detection Frequency	58%	100%	25%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	100%	100%
Minimum Detection	0.29	0.5	1.7	3.5	3.6	7.1	130	760	560	6800	10000	11000	3000	5000	6400	0.013	0.0601	0.0535
Maximum Detection	30	2.4	1.7	50	7.8	22	2800	1300	1800	61000	15000	45000	9100	5700	8300	6.7	0.19	0.469
Mean	1.834	1.213	1.7	7.793	5.533	13.53	972.4	960	1000	15218	12333	24750	5677	5333	7725	0.213	0.104	0.238
Median	0.7	0.74	1.7	6.5	5.2	12.5	880	820	820	14000	12000	21500	5600	5300	8100	0.087	0.0633	0.215
OU-4b Native Soil[3]	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**
Number of Observations	12	--	2	12	--	2	12	--	2	12	--	2	12	--	2	12	--	2
Number of Detections	9	--	0	12	--	2	12	--	2	12	--	2	12	--	2	2	--	2
Detection Frequency	75%	--	0%	100%	--	100%	100%	--	100%	100%	--	100%	100%	--	100%	17%	--	100%
Minimum Detection	0.3	--	NA	4.6	--	13	10	--	93	8400	--	15000	1400	--	3900	0.016	--	0.0178
Maximum Detection	0.74	--	NA	17	--	13	180	--	240	33000	--	18000	11000	--	5000	0.031	--	0.0184
Mean	0.416	--	NA	9.367	--	13	68.33	--	166.5	16450	--	16500	4333	--	4450	0.0235	--	0.0181
Median	0.37	--	NA	9.15	--	13	40	--	166.5	15000	--	16500	3850	--	4450	0.0235	--	0.0181

Note(s):

1. Data represent samples collected during the 2019-2020 Combined Operable Unit-4b and Unit- 5 Remedial Investigation, the 2010 Potential Cover Materials Evaluation, and the 2010 Sub-Area A Investigation.
2. Values are in milligrams per kilogram (mg/kg) in dry weight, with the exception of Radium-226, which is in picocuries per gram (pCi/g).
3. Locations are shown on Figure 4-1.

Abbreviation(s):

% = percent

RI = Remedial Investigation

Table 4-9

Select Metal and Radionuclide Comparison Summary for OU-4b[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Molybdenum			Selenium			Uranium			Radium-226			Radium-228		
OU-4b Mine Related Material[3]	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**
Number of Observations	163	3	4	163	3	4	164	3	4	164	3	4	164	3	4
Number of Detections	163	3	4	163	1	2	164	3	4	164	3	4	163	3	4
Detection Frequency	100%	100%	100%	100%	33%	50%	100%	100%	100%	100%	100%	100%	99%	100%	100%
Minimum Detection	1.1	1.7	2.3	1.1	1.3	2.9	0.72	1.72	3.07	0.49	1.15	0.769	0.534	0.991	0.806
Maximum Detection	20	7.3	11	7.5	1.3	5.7	62	4.03	11.6	7.44	1.45	6.23	7.6	1.31	1.45
Mean	3.277	3.833	5.975	2.658	1.3	4.3	3.413	2.523	6.468	1.795	1.34	3.004	1.225	1.14	1.117
Median	2.7	2.5	5.3	2.3	1.3	4.3	1.9	1.82	5.6	1.595	1.42	2.509	1.08	1.12	1.107
OU-4b Native Soil[3]	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**	**2019-2020 OU-4b RI**	**2010 Cover Materials**	**2010 Sub-Area A**
Number of Observations	12	--	2	12	--	2	12	--	2	12	--	2	12	--	2
Number of Detections	9	--	2	12	--	0	12	--	2	12	--	2	12	--	2
Detection Frequency	75%	--	100%	100%	--	0%	100%	--	100%	100%	--	100%	100%	--	100%
Minimum Detection	0.67	--	0.85	0.62	--	NA	0.73	--	1.77	1.04	--	1.2	1.1	--	0.838
Maximum Detection	3.9	--	2.5	2.6	--	NA	4.6	--	2.23	1.88	--	1.38	1.86	--	1.26
Mean	1.751	--	1.675	1.333	--	NA	1.666	--	2	1.43	--	1.29	1.453	--	1.049
Median	1.3	--	1.675	1.35	--	NA	1.4	--	2	1.415	--	1.29	1.405	--	1.049

Note(s):

1. Data represent samples collected during the 2019-2020 Combined Operable Unit-4b and Unit- 5 Remedial Investigation, the 2010 Potential Cover Materials Evaluation, and the 2010 Sub-Area A Investigation.
2. Values are in milligrams per kilogram (mg/kg) in dry weight, with the exception of Radium-226, which is in picocuries per gram (pCi/g).
3. Locations are shown on Figure 4-1.

Abbreviation(s):

% = percent

RI = Remedial Investigation

Table 5-1

Soil Metal and Radionuclide Summary Statistics for South Waste Rock Area[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	Copper (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Selenium (mg/kg)	Uranium (mg/kg)	Radium-226 (pCi/g)	Radium-228 (pCi/g)
BCL							
Sub-area A-2	285	0.05	3.3	0.87	4.1	2.44	2.13
All SWRA Samples[2]							
Number of Observations	227	227	227	227	227	227	227
Number of Detections	227	145	206	219	227	226	227
Detection Frequency	100%	64%	91%	96%	100%	100%	100%
Minimum Detection	9.6	0.013	0.51	0.42	0.75	0.816	0.576
Maximum Detection	3200	2.5	36	10	21	9.92	3.43
Mean	487.9	0.0915	5.019	2.184	3.352	1.81	1.588
Median	90	0.042	1.5	1.5	1.8	1.515	1.5
Coefficient of Variance	1.58	2.37	1.32	0.782	1.11	0.581	0.28
Frequency above BCL	31%	28%	30%	82%	22%	15%	10%
Standard Deviation	769.1	0.217	6.598	1.708	3.703	1.052	0.445
75th Percentile	530	0.0595	6.25	3	3.65	1.955	1.805
25th Percentile	65	0.013	0.845	1	1.3	1.285	1.325
IQR	465	0.05	5.41	2	2.35	0.67	0.48
Waste Rock							
Number of Observations	70	70	70	70	70	70	70
Number of Detections	70	66	69	70	70	70	70
Detection Frequency	100%	94%	99%	100%	100%	100%	100%
Minimum Detection	310	0.014	1.1	0.47	1.1	0.816	0.72
Maximum Detection	3200	2.5	36	10	21	9.92	2.36
Mean	1389	0.16	10.22	3.702	6.563	2.51	1.524
Median	1300	0.1	10	3.35	5	2.1	1.55
Coefficient of Variance	0.619	1.93	0.725	0.531	0.744	0.637	0.281
Frequency above BCL	100%	74%	76%	96%	59%	41%	7%
Standard Deviation	860.1	0.307	7.41	1.968	4.884	1.6	0.429
75th Percentile	2100	0.165	13	4.475	9.975	3.108	1.855
25th Percentile	600	0.0495	3.85	2.525	2.825	1.528	1.243
IQR	1500	0.12	9.15	1.95	7.15	1.58	0.61
Alluvium							
Number of Observations	151	151	151	151	151	151	151
Number of Detections	151	77	131	143	151	150	151
Detection Frequency	100%	51%	87%	95%	100%	99%	100%
Minimum Detection	9.6	0.013	0.51	0.42	0.75	0.915	0.576
Maximum Detection	280	0.25	22	6.8	13	3.27	3.43
Mean	86.36	0.0352	2.382	1.485	1.949	1.51	1.635
Median	71	0.024	1	1.3	1.5	1.415	1.5
Coefficient of Variance	0.616	0.971	1.77	0.645	0.845	0.252	0.274
Frequency above BCL	0%	8%	10%	76%	6%	3%	12%
Standard Deviation	53.23	0.0341	4.211	0.958	1.647	0.381	0.447
75th Percentile	93.5	0.024	1.5	1.6	1.9	1.665	1.79
25th Percentile	57	0.012	0.69	0.96	1.2	1.26	1.36
IQR	36.5	0.01	0.81	0.64	0.7	0.41	0.43
Native Soil							
Number of Observations	6	6	6	6	6	6	6
Number of Detections	6	2	6	6	6	6	6
Detection Frequency	100%	33%	100%	100%	100%	100%	100%
Minimum Detection	28	0.013	0.56	0.84	0.97	0.944	0.876
Maximum Detection	160	0.015	11	1.7	1.5	1.43	1.51
Mean	79	0.014	2.807	1.115	1.19	1.146	1.152
Median	72	0.014	1.295	1.05	1.15	1.12	1.11
Coefficient of Variance	0.558	0.101	1.44	0.286	0.186	0.161	0.208
Frequency above BCL	0%	0%	17%	67%	0%	0%	0%
Standard Deviation	44.11	0.00141	4.04	0.319	0.221	0.184	0.239
75th Percentile	81.25	0.0128	1.75	1.175	1.35	1.248	1.293
25th Percentile	61.25	0.012	0.915	0.888	1.003	1.009	0.991
IQR	20	0.001	0.84	0.29	0.35	0.24	0.3

Note(s):

1. Data represent samples collected during the 2018 and 2019-2020 investigations.
2. Locations are shown on Figure 5-1.

Abbreviation(s):

% = percent

BCL = Background Concentration Limit

IQR= interquartile range

mg/kg = milligrams per kilogram

pCi/g = picocuries per gram

Table 5-2

MWMP Metal and Radionuclide Summary Statistics for South Waste Rock Area[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Copper (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)	pH (pH units)
All SWRA Samples[2]								
Number of Observations	129	129	129	129	117	129	129	129
Number of Detections	122	6	127	96	117	61	4	129
Detection Frequency	95%	5%	98%	74%	100%	47%	3%	100%
Minimum Detection	0.0011	0.00011	0.0025	0.0001	0.0001	0.32	1.4	3.3
Maximum Detection	574	0.0005	0.2	0.314	2.27	7.3	21	9.5
Mean	7.21	0.00026	0.052	0.00699	0.040	0.966	7.5	8.5
Median	0.0092	0.00021	0.041	0.00075	0.005	0.82	3.8	8.7
Waste Rock								
Number of Observations	33	33	33	33	33	33	33	33
Number of Detections	32	4	31	30	33	21	0	33
Detection Frequency	97%	12%	94%	91%	100%	64%	0%	100%
Minimum Detection	0.0026	0.00012	0.006	0.0001	0.0001	0.32	NA	3.3
Maximum Detection	574	0.0005	0.1	0.314	2.27	3.2	NA	9.1
Mean	27.4	0.00033	0.04	0.0177	0.126	0.94	NA	7.9
Median	0.0222	0.00035	0.03	0.0004	0.0019	0.83	NA	8.2
Alluvium								
Number of Observations	90	90	90	90	78	90	90	90
Number of Detections	84	2	90	60	78	37	4	90
Detection Frequency	93%	2%	100%	67%	100%	41%	4%	100%
Minimum Detection	0.0011	0.00011	0.0025	0.0001	0.0002	0.34	1.4	7.2
Maximum Detection	0.17	0.00012	0.2	0.021	0.0225	7.3	21	9.5
Mean	0.015	0.00012	0.053	0.0023	0.0065	0.97	7.5	8.7
Median	0.0064	0.00012	0.041	0.00095	0.0055	0.82	3.8	8.8
Native Soil								
Number of Observations	6	6	6	6	6	6	6	6
Number of Detections	6	0	6	6	6	3	0	6
Detection Frequency	100%	0%	100%	100%	100%	50%	0%	100%
Minimum Detection	0.0031	NA	0.0518	0.0003	0.0028	0.53	NA	8.4
Maximum Detection	0.0242	NA	0.198	0.0022	0.0252	1.8	NA	9.2
Mean	0.0151	NA	0.121	0.00095	0.0127	1.03	NA	8.7
Median	0.0181	NA	0.133	0.0009	0.0101	0.75	NA	8.7

Note(s):

1. Data represent samples collected during the 2018 and 2019-2020 investigations.
2. Locations are shown on Figure 5-1.

Abbreviation(s):

% = percent

mg/L= milligrams per liter

NA = not applicable

pCi/L = picocuries per liter

Table 5-3
MWMP General Chemistry Summary Statistics for South Waste Rock Area[1]
Anaconda Copper Mine Site
Lyon County, Nevada

	Alkalinity as CaCO3 (mg/L)	Alkalinity, Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrogen, Kjeldahl (mg/L)	Nitrogen, Nitrate/Nitrite (as N) (mg/L)	pH (SU)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Weak Acid Dissociable Cyanide (mg/L)
All SWRA Samples[2]										
Number of Observations	129	129	129	129	129	64	89	129	129	129
Number of Detections	127	127	119	126	93	28	89	122	129	0
Detection Frequency	98%	98%	92%	98%	72%	44%	100%	95%	100%	0%
Minimum Detection	9	9	0.5	0.4	0.1	0.02	3.3	1.5	28	NA
Maximum Detection	200	150	415	13.4	2.2	15	9.4	3990	6320	NA
Mean	101	79.5	22.1	3.26	0.37	1.9	8.4	213	487	NA
Median	110	85.1	5.2	3.1	0.3	0.28	8.5	40.4	270	NA
Waste Rock										
Number of Observations	33	33	33	33	33	21	30	33	33	33
Number of Detections	31	31	33	30	18	8	30	33	33	0
Detection Frequency	94%	94%	100%	91%	55%	38%	100%	100%	100%	0%
Minimum Detection	9	9	0.5	0.4	0.1	0.04	3.3	4.9	32	NA
Maximum Detection	160	140	415	13.4	1.7	14.8	9.1	3990	6320	NA
Mean	56	51	23.7	2.48	0.39	3.54	7.8	396	783	NA
Median	38	37	3.1	1.5	0.29	1.3	8.1	35.7	166	NA
Alluvium										
Number of Observations	90	90	90	90	90	38	53	90	90	90
Number of Detections	90	90	80	90	69	15	53	83	90	0
Detection Frequency	100%	100%	89%	100%	77%	39%	100%	92%	100%	0%
Minimum Detection	11.6	11.6	0.6	0.6	0.1	0.02	7.2	1.5	28	NA
Maximum Detection	200	150	159	9.4	2.2	2.57	9.4	2710	1600	NA
Mean	114	87.0	18.3	3.4	0.35	0.495	8.7	139	367	NA
Median	120	89.5	5.3	3.3	0.3	0.16	8.9	39.8	285	NA
Native Soil										
Number of Observations	6	6	6	6	6	5	6	6	6	6
Number of Detections	6	6	6	6	6	5	6	6	6	0
Detection Frequency	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%
Minimum Detection	80.6	76.8	20.6	2.9	0.3	0.03	8.4	37.5	282	NA
Maximum Detection	178	149	137	7.4	0.9	8.6	9.2	578	1320	NA
Mean	135	114	64.3	4.4	0.5	3.5	8.7	238	665	NA
Median	147	113	32.3	4.0	0.4	1.9	8.7	151	496	NA

Note(s):
1. Data represent samples collected during the 2018 and 2019-2020 investigations.
2. Locations are shown on Figure 5-1.

Abbreviation(s):
% = percent
BCL = Background Concentration Limit
mg/L = milligrams per liter
NA = not applicable
SU = standard units

Table 5-4

Acid Base Account Summary Statistics for South Waste Rock Area[1]

Anaconda Copper Mine Site

Lyon County, Nevada

	AGP (TCaCO3/kT)	ANP (TCaCO3/kT)	NPR (ANP to AGP Ratio) (TCaCO3/kT)	NNP (TCaCO3/kT)	Sulfur, Total (%)	Pyritic Sulfur (%)	Non-H2O Sulfate Sulfur (%)	Non-Extractable Sulfur (%)	Sulfur, Potentially Acid Generating Sulfur (%)	H2O-Soluble Sulfate Sulfur (%)	Paste pH (SU)	Net Acid Generation pH (SU)	Net Acid Generation Test (kg H2SO4/T)
All SWRA Samples[2]													
Number of Observations	129	129	129	129	129	123	123	123	123	123	129	129	129
Number of Detections	50	125	129	129	50	20	35	8	36	32	129	129	19
Detection Frequency	39%	97%	100%	100%	39%	16%	28%	7%	29%	26%	100%	100%	15%
Minimum Detection	0.31	5	0.471	-10.1	0.01	0.01	0.01	0.01	0.01	0.01	3.5	3.6	1
Maximum Detection	19.1	595	1900	595	0.68	0.28	0.14	0.02	0.61	0.33	9.9	9.1	18
Mean	1.94	33.4	89.7	31.3	0.066	0.037	0.034	0.01	0.047	0.029	8.8	7.3	4.5
Median	1.095	18.0	51.2	18	0.035	0.010	0.030	0.01	0.02	0.01	8.9	7.5	3
Waste Rock													
Number of Observations	33	33	33	33	33	27	27	27	27	27	33	33	33
Number of Detections	30	32	33	33	30	13	20	5	20	16	33	33	9
Detection Frequency	91%	97%	100%	100%	91%	48%	74%	19%	74%	59%	100%	100%	27%
Minimum Detection	0.31	8	0.471	-10.1	0.01	0.01	0.01	0.01	0.01	0.01	3.5	3.6	1
Maximum Detection	19.1	576	1840	575	0.68	0.28	0.14	0.01	0.61	0.33	9.4	8	9
Mean	2.3	52.8	128	49.0	0.081	0.042	0.037	0.01	0.064	0.045	8.2	6.8	3
Median	1.3	13.5	15	12.4	0.040	0.010	0.030	0.01	0.015	0.010	8.5	7.0	2
Alluvium													
Number of Observations	90	90	90	90	90	90	90	90	90	90	90	90	90
Number of Detections	17	87	90	90	17	7	15	3	13	13	90	90	10
Detection Frequency	19%	97%	100%	100%	19%	8%	17%	3%	14%	14%	100%	100%	11%
Minimum Detection	0.31	5	0.96	-0.625	0.01	0.01	0.01	0.01	0.01	0.01	8	5.3	1
Maximum Detection	4.06	595	1900	595	0.13	0.06	0.07	0.02	0.08	0.02	9.9	9.1	18
Mean	1.53	26.9	77	25.3	0.049	0.03	0.03	0.01	0.03	0.01	9.0	7.5	5.6
Median	1.25	20.0	58	18.8	0.040	0.02	0.02	0.01	0.02	0.01	9.0	7.5	3.9
Native Soil													
Number of Observations	6	6	6	6	6	6	6	6	6	6	6	6	6
Number of Detections	3	6	6	6	3	0	0	0	3	3	6	6	0
Detection Frequency	50%	100%	100%	100%	50%	0%	0%	0%	50%	50%	100%	100%	0%
Minimum Detection	0.31	21	44.8	20.7	0.01	NA	NA	NA	0.01	0.01	8.5	7.8	NA
Maximum Detection	0.63	29	77.42	28.4	0.02	NA	NA	NA	0.02	0.02	9.2	8	NA
Mean	0.52	25	63.59	24.3	0.02	NA	NA	NA	0.02	0.02	8.8	7.9	NA
Median	0.63	24	69.36	23.5	0.02	NA	NA	NA	0.02	0.02	8.8	7.9	NA

Note(s):

1. Data represent samples collected during the 2018 and 2019-2020 investigations.
2. Locations are shown on Figure 5-1.

Abbreviation(s):

% = percent
AGP = acid generating potential
ANP = acid neutralization potential
kg H2SO4/T = kilograms of sulfuric acid per ton
NNP = net neutralization potential
NPR = neutralization potential ratio
SU = standard unit
TCaCO3/kT = tons of calcium carbonate per kiloton

Table 5-5

Statistical Comparison Between Depth Intervals in the South Waste Rock Area[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

Constituent of Interest	0-0.5 ft bgs to 0.5-3 feet bgs Comparison				0-3 ft bgs to 3-6 feet bgs Comparison				0-6 ft bgs to 6-15 feet bgs Comparison			
	Medians		p-value	Significant Difference? [3]	Medians		p-value	Significant Difference? [3]	Medians		p-value	Significant Difference? [3]
	0-0.5 feet bgs	0.5-3 feet bgs			0-3 feet bgs	3-6 feet bgs			0-6 feet bgs	6-15 feet bgs		
Copper	110	91	0.601	No	105	80	0.649	No	100	150	0.674	No
Mercury	0.044	0.0825	0.985	No	0.062	0.05	0.697	No	0.051	0.054	0.331	No
Molybdenum	1.6	1.45	0.782	No	1.6	1.7	0.857	No	1.6	1.85	0.362	No
Selenium	1.8	1.6	0.995	No	1.75	1.6	0.984	No	1.7	1.6	0.23	No
Uranium	1.7	1.8	0.593	No	1.75	2.1	0.48	No	1.9	2.6	0.165	No
Radium -226	1.41	1.39	0.995	No	1.395	1.5	0.305	No	1.42	1.64	0.102	No
Radium -228	1.59	1.4	0.147	No	1.505	1.6	0.664	No	1.54	1.6	0.895	No

Note(s):

1. Data represent samples collected from depth intervals in the upper 15 feet from the SWRA during the 2018 and 2019-2020 investigations.
2. Values are in milligrams per kilogram in dry weight, with the exception of Radium-226, which are in picocuries per gram.
3. Highlighted "Yes" values correspond to a p-value < 0.05 (five percent significance level) based on two-sample hypothesis testing, which suggests that there are significant differences between the medians of the two populations.

Abbreviation(s):

bgs = below ground surface

SWRA = South Waste Rock Area

Table 5-6

Select Metal and Radionuclide Comparison Summary for South Waste Rock Area[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Copper		Mercury		Molybdenum		Selenium		Uranium		Radium-226		Radium-228	
South Waste Rock Area[3]	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**	**2019-2020 OU-5 RI**	**2010 Cover Materials**
Number of Observations	221	9	221	9	221	9	221	9	221	9	221	9	221	9
Number of Detections	221	9	143	9	200	7	213	4	221	9	220	9	221	9
Detection Frequency	100%	100%	65%	100%	90%	78%	96%	44%	100%	100%	100%	100%	100%	100%
Minimum Detection	9.6	39	0.013	0.008	0.51	0.51	0.42	2	0.75	0.703	0.816	0.95	0.576	0.957
Maximum Detection	3,200	14000	2.5	0.135	36	16	10	28	21	103	9.92	14.5	3.43	2.44
Mean	499	2591	0.0926	0.0326	5.085	5.88	2.214	8.975	3.41	14.58	1.828	3.251	1.6	1.485
Median	91	110	0.042	0.0145	1.5	2.7	1.5	2.95	1.8	1.79	1.54	1.32	1.51	1.41

Note(s):

1. Data represent mine-related material samples collected during the 2018 and 2019-2020 Investigation and the 2010 Potential Cover Materials Evaluation.
2. Values are in milligrams per kilogram (mg/kg) in dry weight, with the exception of Radium-226, which is in picocuries per gram.
3. Locations are shown on Figure 5-1.

Abbreviation(s):

% = percent

RI = Remedial Investigation

Table 6-1
Summary of Data Used in the OU-6 Remedial Investigation
Anaconda Copper Mine Site
Lyon County, Nevada

Investigation	Number of Samples	Analytes
2005 Process Area Soils Investigation	20	Metals[1], Radionuclides[2], ABA/NAG
2010 Characterization of VLT Using XRF and Laboratory Analysis	49	Metals[1]
2010 Characterization of Potential Cover Materials	10	Thorium, Uranium, Radionuclides[2], MWMP metals[3], ABA/NAG
2013 Standing Rain Water Opportunistic Sampling	1	Radiochemicals[4], metals[5], general chemistry parameters[6], field parameters
2018 Pre-Design Component Investigation	36	Radionuclides[2], MWMP metals[7], MWMP general chemistry parameters[8], ABA/NAG

Note(s):
1. Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium (total), cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, thorium, uranium, vanadium, zinc
2. Radium-226 and Radium-228
3. Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium (total), cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, uranium, vanadium, zinc
4. Radium-226 and Radium-228, gross alpha, gross beta, Thorium-228, Thorium-230, Uranium-234, Uranium-235, Uranium-238
5. Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium (total), cobalt, copper, iron, lead, lithium, magnesium, manganese, mercury, molybdenum, nickel, phosphorus, potassium, selenium, silica, silver, sodium, strontium, thallium, tin, titanium, uranium, vanadium, zinc
6. Alkalinity (as CaCO3), alkalinity (bicarbonate as CaCO3), chloride, fluoride, nitrogen - nitrate/nitrite (as N), nitrogen - Kjeldahl, pH, sulfate, total dissolved solids, total organic carbon
7. Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium (total), cobalt, copper, iron, lead, lithium, magnesium, manganese, mercury, molybdenum, nickel, phosphorus, potassium, selenium, silver, sodium, strontium, thallium, tin, titanium, uranium, vanadium, zinc
8. Alkalinity (as CaCO3), alkalinity (bicarbonate as CaCO3), chloride, fluoride, nitrogen - nitrate/nitrite (as N), nitrogen - Kjeldahl, pH, sulfate, total dissolved solids, weak acid dissociable cyanide

Abbreviation(s):
ABA = Acid base account
MWMP = Meteoric water mobility procedure
NAG = Net acid generation

Table 6-2

Soil Metal and Radionuclide Summary Statistics for OU-6[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Antimony (mg/kg)	Chromium, Total (mg/kg)	Copper (mg/kg)	Magnesium (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Selenium (mg/kg)	Radium-226 (pCi/g)	Radium-228 (pCi/g)
BCL									
Sub-area A-1	0.94	11	58	6,314	0.031	1.7	0.8	2.04	2.24
Number of Observations	49	69	69	69	69	69	69	54	54
Number of Detections	30	69	69	69	64	53	61	54	52
Detection Frequency	61%	100%	100%	100%	93%	77%	88%	100%	96%
Minimum Detection	0.81	1.4	5	1600	0.001	0.054	0.19	1.42	0.61
Maximum Detection	12	40	3100	12000	0.93	11	13	8.76	2.3
Mean	2.43	17.4	942.5	5239	0.217	2.97	3.465	3.382	1.108
Median	1.7	19	900	5400	0.165	2.9	3.1	3.055	0.947
Coefficient of Variation	0.963	0.596	0.697	0.409	0.943	0.712	0.606	0.457	0.344
Frequency above BCL	71%	70%	87%	25%	86%	80%	83%	91%	2%
Standard Deviation	2.296	10.37	657	2144	0.204	2.114	2.1	1.544	0.382
75th Percentile	1.9	25	1100	6300	0.21	3.8	3.7	3.67	1.295
25th Percentile	0.2	6.2	670	3800	0.079	1.9	2	2.388	0.885
IQR	1.7	18.8	430	2500	0.131	1.9	1.7	1.282	0.41

Note(s):

1. Data represent samples collected during the 2005, 2010, and 2018 investigations.
2. Locations are shown on Figure 6-1.

Abbreviation(s):

% = percent

BCL = Background Concentration Limit

IQR= interquartile range

mg/kg = milligrams per kilograms

pCi/g = picocuries per gram

Table 6-3

MWMP Metals and Radionuclides Summary Statistics for OU-6[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Antimony (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Magnesium (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Selenium (mg/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)
Number of Observations	22	22	22	22	22	22	22	12	12
Number of Detections	15	16	22	22	19	8	21	7	2
Detection Frequency	68%	73%	100%	100%	86%	36%	95%	58%	17%
Minimum Detection	0.0006	0.0007	93	82	0.00013	0.00031	0.0034	0.419	1.23
Maximum Detection	0.0044	0.015	480	270	0.013	0.0048	0.08	1.66	2.35
Mean	0.0015	0.0026	283.3	154.2	0.0012	0.0020	0.0227	0.873	1.79
Median	0.0013	0.0016	275	160	0.00042	0.0021	0.014	0.663	1.79

Note(s):

1. Data represent samples collected during the 2010 and 2018 investigations.
2. Locations are shown on Figure 6-1.

Abbreviation(s):

% = percent

mg/L = milligrams per liter

pCi/L = picocuries per liter

Table 6-4

MWMP General Chemistry Summary Statistics for OU-6[1,2]

Anaconda Copper Mine Site

Lyon County, Nevada

	Alkalinity as CaCO3 (mg/L)	Alkalinity, Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrogen, Nitrate/Nitrite (as N) (mg/L)	Nitrogen, Kjeldahl (mg/L)	pH (SU)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Weak Acid Dissociable Cyanide (mg/L)
Number of Observations	12	12	12	12	12	12	12	12	12	12
Number of Detections	0	0	12	12	1	12	12	12	12	0
Detection Frequency	0%	0%	100%	100%	8%	100%	100%	100%	100%	0%
Minimum Detection	NA	NA	2.3	4.8	3.5	0.31	3.9	2100	3000	NA
Maximum Detection	NA	NA	11	19	3.5	4.9	4.3	3600	5700	NA
Mean	NA	NA	6.85	10.94	3.5	1.21	4.1	2617	4042	NA
Median	NA	NA	7	9.75	3.5	0.74	4.1	2600	4050	NA

Note(s):

1. Data represent samples collected during the 2018 investigation.
2. Locations are shown on Figure 6-1.

Abbreviation(s):

% = percent

CaCO3 = calcium carbonate

mg/L = milligrams per liter

NA = not applicable

SU = standard units

Table 6-5
Acid Base Account Summary Statistics for OU-6[1]
Anaconda Copper Mine Site
Lyon County, Nevada

	AGP (TCaCO3/kT)	ANP (TCaCO3/kT)	NPR (ANP to AGP Ratio) (TCaCO3/kT)	NNP (TCaCO3/kT)	Total Sulfur (%)	Pyritic Sulfur (%)	Sulfate Sulfur (%)	Non-extractable Sulfur (%)	H2O Soluble Sulfate (%)	Paste pH (SU)	Net Acid Generation Test (tons/1000 tons)	Net Acid Generation pH (SU)
Number of Observations	42	42	42	42	22	12	22	12	12	22	10	12
Number of Detections	26	36	42	42	22	0	11	0	12	22	0	12
Detection Frequency	62%	86%	100%	100%	100%	0%	50%	0%	100%	100%	0%	100%
Minimum Detection	0.6	1	0.238	-5	0.0764	NA	0.0431	NA	0.0764	4.82	NA	4.7
Maximum Detection	8	24	24	24	0.3	NA	0.23	NA	0.188	6.57	NA	5.8
Mean	4.17	6.944	5.173	3.287	0.145	NA	0.118	NA	0.135	5.572	NA	5.1
Median	3.94	3.725	1.633	0.7	0.139	NA	0.12	NA	0.126	5.59	NA	5.05

Note(s):
1. Data represent samples collected during the 2005, 2010, and 2018 investigations.
2. Locations are shown on Figure 6-1.

Abbreviation(s):
% = percent
AGP = acid generating potential
ANP = acid neutralization potential
NA = not applicable
NNP = net neutralization potential
NPR = neutralization potential ratio
PAG = potentially acid generating
SU = standard unit
TCaCO3/kT = tons of calcium carbonate per kiloton

Table 6-6
Statistical Comparison Between Depth Intervals in OU-6[1,2]
Anaconda Copper Mine Site
Lyon County, Nevada

Constituent of Interest	0-2.5 ft bgs to 2.5-10 ft bgs Comparison			
	Medians		p-value	Significant Difference? [4]
	0-2.5 feet bgs	Greater than 2.5 [3] feet bgs		
Antimony	1.65	1.6	0.113	No
Chromium, Total	19	19	0.701	No
Copper	920	860	0.313	No
Magnesium	5650	5000	0.509	No
Mercury	0.18	0.16	0.362	No
Molybdenum	3.5	2.4	0.0774	No
Selenium	3.15	3	0.648	No
Radium -226	2.97	3.47	0.0875	No
Radium -228	1.08	0.914	0.0316	**Yes**

Note(s):
1. Data represent samples collected during the 2005, 2010, and 2018 investigations.
2. Values are in milligrams per kilogram in dry weight, with the exception of Radium-226 and Radium-228, which are in picocuries per gram.
3. For radium-226 and radium-228, the depth intervals compared are 0-5 feet bgs and greater than 5 feet bgs.
4. Highlighted "Yes" values correspond to a p-value < 0.05 (five percent significance level) based on two-sample hypothesis testing, which suggests that there are significant differences between the medians of the two populations.

Abbreviation(s):
bgs = below ground surface

Table 6-7
Select Metal and Radionuclide Comparison Summary for OU-6 and OU-4b[1,2]
Anaconda Copper Mine Site
Lyon County, Nevada

	Antimony		Chromium, Total		Copper		Magnesium		Mercury		Molybdenum		Selenium		Radium-226		Radium-228	
OU-4b Mine Related Material[3]	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**	**OU-6 VLT**	**OU-4b VLT**
Number of Observations	49	62	69	62	69	62	69	62	69	62	69	62	69	62	54	62	54	62
Number of Detections	30	48	69	62	69	62	69	62	64	62	53	62	61	62	54	62	52	62
Detection Frequency	61%	77%	100%	100%	100%	100%	100%	100%	93%	100%	77%	100%	88%	100%	100%	100%	96%	100%
Minimum Detection	0.81	0.38	1.4	3.5	5	390	1600	3000	0.001	0.035	0.054	1.6	0.19	1.8	1.42	1.06	0.61	0.534
Maximum Detection	12	30	40	33	3100	2100	12000	8000	0.93	6.7	11	20	13	7.5	8.76	7.44	2.3	7.6
Mean	2.43	3.172	17.4	6.939	942.5	909	5239	5587	0.217	0.47	2.97	4.0	3.465	3.6	3.382	2.41	1.108	1.1
Median	1.7	1.2	19	5.7	900	825	5400	5600	0.165	0.21	2.9	3.2	3.1	3.4	3.055	2.08	0.947	0.95
Coefficient of Variation	0.963	1.71	0.596	0.598	0.697	0.434	0.409	0.167	0.943	2.16	0.712	0.81	0.606	0.346	0.457	0.457	0.344	0.861
Standard Deviation	2.296	5.407	10.37	4.15	657	394.4	2144	932.9	0.204	1.015	2.114	3.255	2.1	1.249	1.544	1.104	0.382	0.979
75th Percentile	1.9	2.15	25	6.95	1100	1100	6300	6100	0.21	0.31	3.8	4.175	3.7	4.275	3.67	2.813	1.295	1.115
25th Percentile	0.2	0.743	6.2	5.1	670	615	3800	5025	0.079	0.113	1.9	2.6	2	2.7	2.388	1.733	0.885	0.82
IQR	1.7	1.41	18.8	1.85	430	485	2500	1075	0.131	0.2	1.9	1.58	1.7	1.58	1.282	1.08	0.41	0.3

Note(s):
1. For OU-6, data represent samples collected during the 2005, 2010, and 2018 investigations. For OU-4b, dara represent samples collected during the 2019-2020 Investigation.
2. Values are in milligrams per kilogram (mg/kg) in dry weight, with the exception of Radium-226 and Radium-228, which is in picocuries per gram (pCi/g).
3. Locations are shown on Figure 4-1 and Figure 6-1.

Abbreviation(s):
% = percent
RI = Remedial Investigation
VLT = vat leach tailings