Appendix A

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TABLE A1

Mean Total Metals Results

Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry BAsis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
Cleanup Guidelines	**NA**	**293**	**700**	**19.5**	**735000**	**27100**	**NA**	**1100**	**665**	**220**	**14650**	**NA**	**NA**	**220000**
Chloride Gulch Mine														
D (n = 1)	4200.0	50.0	3050.0	24.0	2.5	100.0	32700.0	860.0	1680.0		25.0	1.0	40.0	460.0
N (n = 1)	6100.0	25.0	1660.0	17.0	2.5	80.0	26100.0	440.0	2080.0		25.0	1.0	10.0	620.0
T (n = 12)	4550.0	76.7	3688.3	23.3	13.1	107.5	26875.0	1277.5	1906.7	0.3	35.4	1.0	36.7	830.0
Conjecture Mine														
D (n = 1)	11600.0	240.0	1640.0	26.0	2.5	500.0	96000.0	6060.0	420.0		25.0	1.0	490.0	3590.0
N (n = 17)	16967.1	57.9	456.0	6.2	4.6	89.7	30905.9	846.3	2055.6	0.1	26.5	1.0	38.1	769.9
SE (n = 1)	10700.0	25.0	1680.0	16.0	2.5	175.0	40100.0	1910.0	1400.0	0.1	25.0	1.0	50.0	1430.0
W (n = 25)	15228.8	117.0	1153.6	18.9	7.2	221.4	49640.0	1548.3	2008.5	0.1	34.2	1.0	114.5	3399.8
Idaho Lakeview Mine														
N (n = 12)	10710.8	130.8	2892.5	22.7	8.4	136.4	43250.0	1042.9	2785.0	0.1	25.0	1.0	32.4	2054.2
T (n = 6)	4488.3	226.7	4580.0	38.0	9.8	165.0	36033.3	2568.3	2276.7	0.2	25.0	1.0	81.7	2513.3
W (n = 13)	6401.5	157.7	4100.8	28.9	4.5	165.8	50238.5	1616.6	2158.4	0.2	25.0	1.0	45.8	2212.8
Keep Cool Mine														
N (n = 11)	16075.0	25.0	110.4	6.0	4.4	200.0	26345.5	469.1	1973.6	0.1	27.3	1.0	10.0	2113.6
W (n = 13)	14423.1	121.9	444.6	15.6	10.1	665.4	40330.8	12320.8	2768.5	0.4	28.5	1.0	85.4	6400.8
New Rainbow Mine														
N (n = 3)	30433.3	25.0	38.0	1.7	15.3	31.7	19400.0	99.3	546.7		43.3	1.0	10.0	387.7
W (n = 4)	14957.5	56.3	128.3	4.3	18.4	85.8	21575.0	491.3	870.0	0.4	47.5	1.0	20.0	1360.0
Weber Mine														
D (n = 1)	22000.0	680.0	870.0	15.0	64.0	290.0	38800.0	4350.0	2570.0		80.0	1.0	60.0	3750.0
N (n = 8)	11450.0	35.0	247.8	3.3	9.1	46.3	22775.0	150.0	587.5		25.0	1.0	10.0	667.5
W (n = 12)	16065.8	379.6	1235.8	13.9	30.1	126.9	32483.3	1996.8	1873.1	0.1	48.3	1.0	43.3	1750.8

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment
D - Duplicate sample

mg/kg - Milligrams per kilogram
Where n = 1, concentration reported for the sample collected
Average values calculated using < pql values as one half pql
Cleanup Guideline based on Tetra Tech (1996)

TABLE A2

Mean Leachable Metals Results
Gold Creek Mine Investigation

Sample Type	Aluminum SPLP (mg/L)	Antimony SPLP (mg/L)	Arsenic SPLP (mg/L)	Cadmium SPLP (mg/L)	Chromium SPLP (mg/L)	Copper SPLP (mg/L)	Iron SPLP (mg/L)	Lead SPLP (mg/L)	Manganese SPLP (mg/L)	Mercury SPLP (mg/L)	Nickel SPLP (mg/L)	Selenium SPLP (mg/L)	Silver SPLP (mg/L)	Zinc SPLP (mg/L)
Chronic Aquatic Life Standard	**NA**	**NA**	**0.19**	**0.001 [1]**	**0.01 [1,2]**	**0.011 [1]**	**NA**	**0.0025 [1]**	**NA**	**0.000012**	**0.16 [1]**	**0.005**	**NA**	**0.1 [1]**
Chloride Gulch Mine														
T (n = 12)	3.440	0.025	0.095	0.004	0.010	0.014	1.904	0.096	0.128	0.0004	35.000	0.003	0.025	0.184
Conjecture Mine														
N (n = 17)	7.800	0.025	0.006	0.003	0.010	0.010	5.950	0.025	-1.455	0.0001	25.000	0.003	0.025	0.120
W (n = 26)	0.300	0.035	0.009	0.004	0.010	0.045	0.079	0.767	0.375	0.0001	31.000	0.003	0.025	0.589
Idaho Lakeview Mine														
N (n = 12)	0.100	0.025	0.006	0.003	0.030	0.010	0.190	0.025	0.100	0.0001	25.000	0.003	0.025	0.050
T (n = 6)	0.130	0.050	0.080	0.007	0.010	0.156	0.058	1.396	1.372	0.0001	25.000	0.003	0.025	0.880
W (n = 13)	0.050	0.065	0.065	0.004	0.010	0.010	0.036	0.025	1.094	0.0001	25.000	0.003	0.025	0.420
Keep Cool Mine														
N (n = 11)	0.550	0.025	0.004	0.003	0.010	0.010	0.495	0.025	0.025	0.0003	25.000	0.003	0.025	0.240
W (n = 13)	0.820	0.025	0.006	0.008	0.010	0.074	0.451	3.175	0.170	0.0007	25.000	0.003	0.025	3.174
New Rainbow Mine														
W (n = 4)	0.467	0.087	0.035	0.003	0.010	0.010	0.245	0.025	0.025	0.0005	26.667	0.003	0.025	0.040
Weber Mine														
W (n = 12)	1.458	0.084	0.039	0.006	0.010	0.010	0.988	3.822	0.064	0.0004	28.333	0.003	0.025	1.312

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - Milligrams per liter

Where n = 1, concentration reported for the sample collected

Average values calculated using < pql values as 1/2 pql

Chronic Aquatic Life Standard from Idaho Administrative Procedures Act (IDAPA) 16.01.02.250 (Surface water quality criteria)

1 - Based on 100 mg/L hardness

2 - Standard for chromium VI. The standard for chromium III is 0.16 mg/L

TABLE A3

Mean Acid Base Accounting
Gold Creek Mine Investigation

Site		Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
									HCL	HNO_3	Residual	Water Extractable	Total	
Chloride Gulch Mine														
N	(n = 1)	9.000	-1.000	8.000	0.490	8.000	7.200	0.000	0.050	0.1000	0.200	0.100	0.310	4.649
T	(n = 12)	4.083	-0.750	3.500	1.023	4.792	6.142	5.658	0.067	0.1083	0.113	0.133	0.253	11.572
Conjecture Mine														
N	(n = 17)	20.000	-7.765	12.353	1.452	5.771	6.482	4.171	0.062	0.4176	0.324	0.106	0.694	19.520
SE	(n = 1)	22.000	-16.000	6.000	0.930	6.400	7.100	0.000	0.050	0.1000	0.700	0.100	0.750	26.680
W	(n = 26)	52.200	-30.040	22.240	2.165	6.268	6.824	2.708	0.070	0.4920	1.218	0.140	1.645	44.543
Idaho Lakeview Mine														
N	(n = 12)	48.000	-25.917	21.833	2.984	6.345	6.750	2.033	0.058	0.6667	0.746	0.183	1.469	32.819
T	(n = 6)	48.167	-35.167	13.167	2.432	5.033	6.317	4.983	0.092	0.9000	0.625	0.133	1.560	52.877
W	(n = 13)	113.615	-45.154	52.500	3.278	5.700	6.615	3.623	0.077	1.3615	1.404	0.454	2.880	49.944
Keep Cool Mine														
N	(n = 11)	0.273	4.545	4.909	0.758	6.736	6.627	2.736	0.050	0.1000	0.055	0.100	0.053	0.278
W	(n = 13)	31.308	-16.769	14.731	0.689	5.762	6.808	1.846	0.092	0.3692	0.677	0.123	1.050	26.368
New Rainbow Mine														
N	(n = 3)	0.000	46.000	46.000	0.363	7.367	7.200	0.150	0.050	0.1000	0.050	0.100	0.063	-76.453
W	(n = 4)	9.250	118.750	128.000	0.573	7.825	7.500	0.000	0.050	0.2250	0.150	0.100	0.320	-129.818
Weber Mine														
C	(n = 4)	70.600	-29.600	41.000						2.2600	0.138	0.275	2.665	
N	(n = 14)	0.000	7.643	7.714	0.308	6.215	6.607	3.415	0.050	0.1000	0.050	0.100	0.025	-4.066
W	(n = 12)	5.333	5.750	11.125	0.519	5.960	6.682	2.900	0.054	0.1083	0.163	0.100	0.210	-2.788

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - Milligrams per liter

Where n = 1, concentration reported for the sample collected

Average values calculated using < pql values as 1/2 pql

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

HCL - hydrochloric acid
HNO3 - nitric acid.

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE A4

Summary Statistics - Total Metals Concentrations for the Conjecture Mine
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
W														
Minimum	6400.00	25.00	6.00	1.00	2.50	20.00	7800.00	10.00	312.00	0.10	25.00	1.00	10.00	40.00
Maximum	28300.00	930.00	9300.00	105.00	41.00	643.00	21000.00	4090.00	7220.00	0.20	110.00	1.00	418.00	34700.00
Average	15274.35	117.83	1090.04	18.74	5.98	196.70	46104.35	1285.96	1864.78	0.19	31.74	1.00	93.26	3349.78
Standard Deviation	6569.39	191.23	1902.69	28.78	9.79	198.65	26241.04	1500.16	1543.26	0.04	19.81	0.00	137.45	7176.81
n	23	23	23	23	23	23	23	23	23	15	23	23	23	23
SE														
Minimum	10700.00	50.00	1680.00	16.00	2.50	175.00	40100.00	1910.00	1400.00	0.20	25.00	1.00	50.00	1430.00
Maximum	10700.00	50.00	1680.00	16.00	2.50	175.00	40100.00	1910.00	1400.00	0.20	25.00	1.00	50.00	1430.00
Average	10700.00	50.00	1680.00	16.00	2.50	175.00	40100.00	1910.00	1400.00	0.20	25.00	1.00	50.00	1430.00
Standard Deviation														
n	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N														
Minimum	4780.00	25.00	67.00	1.00	2.50	22.00	20300.00	40.00	598.00	0.20	25.00	1.00	10.00	86.00
Maximum	33800.00	490.00	2240.00	33.00	16.00	449.00	56300.00	9220.00	13100.00	0.20	50.00	1.00	448.00	4710.00
Average	16967.06	72.65	456.00	6.29	4.65	89.71	30905.88	846.29	2055.65	0.20	26.47	1.00	38.12	769.88
Standard Deviation	7716.47	108.10	700.30	9.80	4.81	102.70	12057.44	2180.83	3068.32	0.00	6.06	0.00	105.83	1215.38
n	17	17	17	17	17	17	17	17	17	2	17	17	17	17

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A5

Summary Statistics - Leachable Metals Concentrations for the Conjecture Mine
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
W														
Minimum	0.05	0.03	0.00	0.00	0.01	0.01	0.03	0.03	0.03	0.0001	0.03	0.003	0.03	0.01
Maximum	0.60	0.07	0.02	0.01	0.01	0.17	0.34	1.53	2.68	0.0002	0.03	0.003	0.03	2.77
Average	0.29	0.03	0.01	0.00	0.01	0.03	0.08	0.23	0.70	0.0002	0.03	0.003	0.03	0.38
Standard Deviation	0.24	0.02	0.01	0.00	0.00	0.06	0.11	0.53	1.03	0.0001	0.00	0.000	0.00	0.97
n	8	8	8	8	8	8	8	8	8	8	8	8	8	8
N														
Minimum	7.80	0.03	0.01	0.00	0.01	0.01	5.95	0.05	0.09	0.0002	0.03	0.003	0.03	0.12
Maximum	7.80	0.03	0.01	0.00	0.01	0.01	5.95	0.05	0.09	0.0002	0.03	0.003	0.03	0.12
Average	7.80	0.03	0.01	0.00	0.01	0.01	5.95	0.05	0.09	0.0002	0.03	0.003	0.03	0.12
Standard Deviation														
n	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A6

Summary Statistics - Acid Base Accounting for the Coniecture Mine
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
W													
Minimum	0.00	-201.00	0.50	0.39	2.80	4.30	0.00	0.05	0.10	0.05	0.10	0.03	-57.70
Maximum	231.00	49.00	74.00	5.36	8.50	7.50	20.00	0.30	2.30	6.30	0.60	6.94	254.49
Average	52.20	-30.04	22.24	2.17	6.27	6.82	2.71	0.07	0.49	1.22	0.14	1.65	44.54
Standard Deviation	63.15	59.49	21.28	1.54	1.58	0.90	5.68	0.06	0.61	1.48	0.11	1.87	76.59
n	25	25	25	24	25	25	24	25	25	25	25	25	24
SE													
Minimum	22.00	-16.00	6.00	0.93	6.40	7.10	0.00	0.05	0.10	0.70	0.10	0.75	26.68
Maximum	22.00	-16.00	6.00	0.93	6.40	7.10	0.00	0.05	0.10	0.70	0.10	0.75	26.68
Average	22.00	-16.00	6.00	0.93	6.40	7.10	0.00	0.05	0.10	0.70	0.10	0.75	26.68
Standard Deviation													
n	1	1	1	1	1	1	1	1	1	1	1	1	1
N													
Minimum	0.00	-109.00	0.50	0.24	2.90	4.20	0.00	0.05	0.10	0.05	0.10	0.01	-22.97
Maximum	166.00	19.00	72.00	4.97	7.20	7.30	19.00	0.20	3.90	3.60	0.20	5.47	138.71
Average	20.00	-7.76	12.35	1.45	5.77	6.48	4.17	0.06	0.42	0.32	0.11	0.69	19.52
Standard Deviation	49.41	31.08	20.29	1.47	1.24	0.91	5.65	0.04	0.98	0.85	0.02	1.55	38.51
n	17	17	17	16	17	17	17	17	17	17	17	17	17

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A7

Summary Statistics - Total Metals Concentrations for New Rainbow Mine
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
W														
Minimum	9260.00	50.00	10.00	1.00	2.50	34.00	15900.00	10.00	479.00	0.20	25.00	1.00	10.00	245.00
Maximum	28100.00	150.00	300.00	8.00	37.00	154.00	34700.00	1540.00	1560.00	0.74	80.00	1.00	50.00	2400.00
Average	14957.50	75.00	128.25	4.25	18.38	85.75	21575.00	491.25	870.00	0.42	47.50	1.00	20.00	1360.00
Standard Deviation	8871.33	50.00	138.13	3.77	14.38	49.91	8799.01	712.98	474.17	0.27	27.23	0.00	20.00	1097.82
n	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N														
Minimum	16800.00	50.00	8.00	1.00	2.50	23.00	12900.00	20.00	444.00		25.00	1.00	10.00	65.00
Maximum	45800.00	50.00	97.00	3.00	41.00	41.00	24700.00	248.00	733.00		80.00	1.00	10.00	988.00
Average	30433.33	50.00	38.00	1.67	15.33	31.67	19400.00	99.33	546.67		43.33	1.00	10.00	387.67
Standard Deviation	14577.49	0.00	51.10	1.15	22.23	9.02	5990.83	128.85	161.65		31.75	0.00	0.00	520.39
n	3	3	3	3	3	3	3	3	3	0	3	3	3	3

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A8

Summary Statistics - Leachable Metals Concentrations for New Rainbow Mine
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
W														
Minimum	0.20	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.03	0.0002	0.03	0.003	0.03	0.01
Maximum	0.80	0.21	0.07	0.00	0.01	0.01	0.36	0.03	0.03	0.0012	0.03	0.003	0.03	0.06
Average	0.47	0.09	0.04	0.00	0.01	0.01	0.25	0.03	0.03	0.0005	0.03	0.003	0.03	0.04
Standard Deviation	0.31	0.11	0.03	0.00	0.00	0.00	0.19	0.00	0.00	0.0006	0.00	0.000	0.00	0.03
n	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A9

Summary Statistics - Acid Base Accounting for the New Rainbow Mine
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
W													
Minimum	0.00	71.00	99.00	0.35	7.50	7.30	0.00	0.05	0.10	0.05	0.10	0.04	-175.94
Maximum	28.00	157.00	157.00	0.77	8.10	7.60	0.00	0.05	0.60	0.30	0.10	0.86	-85.66
Average	9.25	118.75	128.00	0.57	7.83	7.50	0.00	0.05	0.23	0.15	0.10	0.32	-129.82
Standard Deviation	13.20	38.61	26.29	0.21	0.28	0.17	0.00	0.00	0.25	0.12	0.00	0.38	45.17
n	4	4	4	4	4	3	3	4	4	4	4	4	3
N													
Minimum	0.00	4.00	4.00	0.29	7.20	6.90	0.00	0.05	0.10	0.05	0.10	0.02	-149.06
Maximum	0.00	123.00	123.00	0.47	7.70	7.50	0.30	0.05	0.10	0.05	0.10	0.12	-3.84
Average	0.00	46.00	46.00	0.36	7.37	7.20	0.15	0.05	0.10	0.05	0.10	0.06	-76.45
Standard Deviation	0.00	66.78	66.78	0.09	0.29	0.42	0.21	0.00	0.00	0.00	0.00	0.05	102.69
n	3	3	3	3	3	2	2	3	3	3	3	3	2

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A10

Summary Statistics - Total Metals Concentrations for Weber Mine
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
W														
Minimum	800.00	25.00	70.00	1.00	2.50	30.00	16700.00	130.00	100.00	0.10	25.00	1.00	10.00	120.00
Maximum	31000.00	2700.00	6940.00	43.00	89.00	350.00	44900.00	8440.00	4310.00	0.20	120.00	1.00	250.00	6200.00
Average	16065.83	381.67	1235.83	13.92	30.13	126.92	32483.33	1996.75	1873.08	0.12	48.33	1.00	43.33	1750.83
Standard Deviation	8986.14	760.58	1908.55	13.08	31.81	115.42	9253.19	2470.18	1384.94	0.04	35.63	0.00	68.27	1995.25
n	12	12	12	12	12	12	12	12	12	6	12	12	12	12
N														
Minimum	5000.00	25.00	15.00	1.00	2.50	20.00	15800.00	10.00	260.00		25.00	1.00	10.00	40.00
Maximum	17800.00	80.00	780.00	7.00	21.00	90.00	28400.00	300.00	1110.00		25.00	1.00	10.00	1480.00
Average	11450.00	35.00	247.75	3.25	9.06	46.25	22775.00	150.00	587.50		25.00	1.00	10.00	667.50
Standard Deviation	4279.52	20.18	263.47	2.43	6.77	21.34	4513.71	97.83	342.58		0.00	0.00	0.00	562.89
n	8	8	8	8	8	8	8	8	8	0	8	8	8	8

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A11

Summary Statistics - Leachable Metals Concentrations for the Weber Mine
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
W														
Minimum	0.05	0.03	0.00	0.00	0.01	0.01	0.03	0.03	0.03	0.0003	0.03	0.003	0.03	0.01
Maximum	3.60	0.28	0.10	0.02	0.01	0.01	2.60	22.70	0.26	0.0008	0.03	0.003	0.03	3.50
Average	1.46	0.08	0.04	0.01	0.01	0.01	0.99	3.82	0.06	0.0004	0.03	0.003	0.03	1.31
Standard Deviation	1.47	0.10	0.04	0.01	0.00	0.00	1.20	9.25	0.10	0.0002	0.00	0.000	0.00	1.31
n	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N														
Minimum														
Maximum														
Average														
Standard Deviation														
n	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A12

Summary Statistics - Acid Base Accounting for the Weber Mine
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
W													
Minimum	0.00	-11.00	0.50	0.05	3.60	5.60	0.00	0.05	0.10	0.05	0.10	0.03	-24.30
Maximum	28.00	21.00	24.00	1.97	7.50	7.50	9.60	0.10	0.20	0.70	0.10	0.90	25.40
Average	5.33	5.75	11.13	0.52	5.96	6.68	2.90	0.05	0.11	0.16	0.10	0.21	-2.79
Standard Deviation	8.45	10.57	8.75	0.66	1.12	0.65	3.62	0.01	0.03	0.20	0.00	0.27	14.13
n	12	12	12	8	10	11	11	12	12	12	12	12	11
N													
Minimum	0.00	0.00	0.50	0.08	4.80	5.00	0.00	0.05	0.10	0.05	0.10	0.03	-60.55
Maximum	0.00	50.00	50.00	1.37	8.40	7.50	14.00	0.05	0.10	0.05	0.10	0.03	18.20
Average	0.00	7.64	7.71	0.31	6.22	6.61	3.42	0.05	0.10	0.05	0.10	0.03	-4.07
Standard Deviation	0.00	13.36	13.32	0.36	0.97	0.71	4.44	0.00	0.00	0.00	0.00	0.00	19.95
n	14	14	14	13	13	14	13	14	14	14	14	14	13

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A13

Summary Statistics - Total Metals Concentrations for Keep Cool Mine
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
W														
Minimum	1900.00	25.00	60.00	1.00	2.50	40.00	19100.00	40.00	230.00	0.10	25.00	1.00	10.00	620.00
Maximum	33500.00	820.00	1460.00	44.00	35.00	2280.00	71400.00	73200.00	5860.00	1.10	70.00	1.00	530.00	20600.00
Average	14423.08	121.92	444.62	15.62	10.08	665.38	40330.77	12320.77	2768.46	0.44	28.46	1.00	85.38	6400.77
Standard Deviation	8372.49	223.71	438.80	14.52	12.11	672.21	15098.92	21288.94	1732.22	0.48	12.48	0.00	147.96	6216.63
n	13	13	13	13	13	13	13	13	13	5	13	13	13	13
N														
Minimum	25.40	25.00	10.00	1.00	2.50	30.00	20100.00	30.00	860.00	0.10	25.00	1.00	10.00	280.00
Maximum	36300.00	25.00	260.00	16.00	23.00	1180.00	38200.00	1820.00	5010.00	0.10	50.00	1.00	10.00	3110.00
Average	16075.04	25.00	110.36	6.00	4.36	200.00	26345.45	469.09	1973.64	0.10	27.27	1.00	10.00	2113.64
Standard Deviation	10851.85	0.00	82.83	4.02	6.18	330.24	5559.38	566.31	1331.07	0.00	7.54	0.00	0.00	924.79
n	11	11	11	11	11	11	11	11	11	2	11	11	11	11

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A14

Summary Statistics - Leachable Metals Concentrations for Keep Cool Mine
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
W														
Minimum	0.10	0.03	0.00	0.00	0.01	0.01	0.03	0.03	0.03	0.0003	0.03	0.003	0.03	0.38
Maximum	2.40	0.03	0.02	0.03	0.01	0.33	1.30	15.70	0.75	0.0024	0.03	0.003	0.03	14.00
Average	0.82	0.03	0.01	0.01	0.01	0.07	0.45	3.18	0.17	0.0007	0.03	0.003	0.03	3.17
Standard Deviation	0.94	0.00	0.01	0.01	0.00	0.14	0.54	7.00	0.32	0.0010	0.00	0.000	0.00	6.05
n	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N														
Minimum	0.30	0.03	0.00	0.00	0.01	0.01	0.42	0.03	0.03	0.0003	0.03	0.003	0.03	0.19
Maximum	0.80	0.03	0.01	0.00	0.01	0.01	0.57	0.03	0.03	0.0003	0.03	0.003	0.03	0.29
Average	0.55	0.03	0.00	0.00	0.01	0.01	0.50	0.03	0.03	0.0003	0.03	0.003	0.03	0.24
Standard Deviation	0.35	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.0000	0.00	0.000	0.00	0.07
n	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A15

Summary Statistics - Acid Base Accounting for the Keep Cool Mine
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
W													
Minimum	0.00	-104.00	0.50	0.23	4.00	6.00	0.00	0.05	0.10	0.05	0.10	0.03	-39.88
Maximum	116.00	34.00	78.00	1.91	7.80	7.40	6.10	0.30	2.60	3.10	0.40	3.77	137.42
Average	31.31	-16.77	14.73	0.69	5.76	6.81	1.85	0.09	0.37	0.68	0.12	1.05	26.37
Standard Deviation	39.48	42.08	23.44	0.49	1.08	0.48	2.45	0.09	0.70	0.87	0.08	1.31	53.75
n	13	13	13	12	13	13	13	13	13	13	13	13	13
N													
Minimum	0.00	0.00	0.50	0.06	5.50	5.80	0.00	0.05	0.10	0.05	0.10	0.03	-8.05
Maximum	3.00	8.00	8.00	2.25	8.20	7.50	8.10	0.05	0.10	0.10	0.10	0.16	10.55
Average	0.27	4.55	4.91	0.76	6.74	6.63	2.74	0.05	0.10	0.05	0.10	0.05	0.28
Standard Deviation	0.90	3.21	3.04	0.73	0.97	0.49	2.54	0.00	0.00	0.02	0.00	0.05	6.18
n	11	11	11	10	11	11	11	11	11	11	11	11	11

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A16

Summary Statistics - Total Metals Concentrations for Idaho Lakeview Mine
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
W														
Minimum	1470.00	60.00	1060.00	6.00	2.50	40.00	19000.00	310.00	60.00	0.10	25.00	1.00	10.00	310.00
Maximum	20300.00	270.00	7580.00	61.00	12.00	276.00	73600.00	4920.00	5070.00	0.48	25.00	1.00	120.00	4260.00
Average	6618.33	160.83	4234.17	30.67	4.21	170.50	49908.33	1653.83	2271.58	0.23	25.00	1.00	46.33	2343.83
Standard Deviation	5324.20	63.74	2168.68	17.83	3.49	74.08	16930.90	1506.36	1714.57	0.14	0.00	0.00	45.90	1263.79
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12
T														
Minimum	1040.00	60.00	1640.00	12.00	2.50	50.00	21500.00	900.00	570.00	0.10	25.00	1.00	40.00	160.00
Maximum	12700.00	440.00	8560.00	73.00	28.00	240.00	66700.00	5720.00	5000.00	0.40	25.00	1.00	160.00	6430.00
Average	4488.33	226.67	4580.00	38.00	9.75	165.00	36033.33	2568.33	2276.67	0.21	25.00	1.00	81.67	2513.33
Standard Deviation	4802.69	147.87	3000.55	24.35	10.01	79.44	17125.85	1778.54	2025.02	0.13	0.00	0.00	43.55	2582.36
n	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N														
Minimum	2900.00	70.00	400.00	4.00	2.50	50.00	23100.00	140.00	810.00	0.10	25.00	1.00	10.00	450.00
Maximum	30500.00	360.00	7860.00	63.00	16.00	369.00	73600.00	3790.00	6070.00	0.10	25.00	1.00	136.00	5420.00
Average	10584.55	137.27	3095.45	24.55	8.05	144.27	44618.18	1115.91	2956.36	0.10	25.00	1.00	34.45	2196.36
Standard Deviation	9292.72	104.03	2551.22	20.01	5.96	108.06	15600.44	1341.93	1982.38		0.00	0.00	47.50	1653.66
n	11	11	11	11	11	11	11	11	11	1	11	11	11	11

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A17

Summary Statistics - Leachable Metals Concentrations for Idaho Lakeview Mine
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
W														
Minimum	0.05	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.03	0.0001	0.03	0.003	0.03	0.04
Maximum	0.05	0.13	0.18	0.01	0.01	0.01	0.07	0.03	3.50	0.0002	0.03	0.003	0.03	0.91
Average	0.05	0.07	0.07	0.00	0.01	0.01	0.04	0.03	1.09	0.0002	0.03	0.003	0.03	0.42
Standard Deviation	0.00	0.05	0.08	0.00	0.00	0.00	0.02	0.00	1.62	0.0000	0.00	0.000	0.00	0.41
n	4	4	4	4	4	4	4	4	4	4	4	4	4	4
T														
Minimum	0.05	0.03	0.00	0.00	0.01	0.01	0.03	0.03	0.10	0.0001	0.03	0.003	0.03	0.07
Maximum	0.30	0.15	0.36	0.01	0.01	0.74	0.10	6.88	3.71	0.0003	0.03	0.003	0.03	3.05
Average	0.13	0.05	0.08	0.01	0.01	0.16	0.06	1.40	1.37	0.0002	0.03	0.003	0.03	0.88
Standard Deviation	0.12	0.06	0.16	0.00	0.00	0.33	0.03	3.07	1.62	0.0001	0.00	0.000	0.00	1.23
n	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A18

Summary Statistics - Acid Base Accounting for the Idaho Lakeview Mine
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
W													
Minimum	0.00	-181.00	0.50	0.76	2.70	4.90	0.00	0.05	0.10	0.05	0.10	0.12	-111.10
Maximum	257.00	104.00	147.00	6.67	7.30	7.50	14.70	0.30	2.90	3.40	1.80	4.68	171.21
Average	113.62	-45.15	52.50	3.28	5.70	6.62	3.62	0.08	1.36	1.40	0.45	2.88	49.94
Standard Deviation	81.19	84.74	49.60	1.66	1.46	0.83	4.63	0.07	1.09	0.91	0.54	1.48	71.69
n	13	13	13	12	12	13	13	13	13	13	13	13	13
T													
Minimum	5.00	-111.00	0.50	0.18	3.80	4.90	0.00	0.05	0.10	0.05	0.10	0.15	22.37
Maximum	147.00	-5.00	36.00	5.22	6.40	7.30	14.70	0.20	2.80	1.90	0.30	4.49	141.52
Average	48.17	-35.17	13.17	2.43	5.03	6.32	4.98	0.09	0.90	0.63	0.13	1.56	52.88
Standard Deviation	57.90	41.66	17.01	1.93	1.05	0.88	5.73	0.06	1.16	0.71	0.08	1.71	47.64
n	6	6	6	6	6	6	6	6	6	6	6	6	6
N													
Minimum	0.00	-123.00	4.00	0.58	4.30	5.90	0.00	0.05	0.10	0.05	0.10	0.06	-10.04
Maximum	175.00	10.00	53.00	6.57	7.70	7.20	5.90	0.10	3.00	2.60	0.70	5.32	156.68
Average	48.00	-25.92	21.83	2.98	6.35	6.75	2.03	0.06	0.67	0.75	0.18	1.47	32.82
Standard Deviation	55.59	40.63	17.97	1.85	0.95	0.47	2.32	0.02	0.93	0.83	0.17	1.68	51.21
n	12	12	12	11	11	12	12	12	12	12	12	12	12

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A19

Summary Statistics - Total Metals Concentrations for Chloride Gulch
Gold Creek Mine Investigation

Sample Type	Aluminum Dry Basis (mg/kg)	Antimony Dry Basis (mg/kg)	Arsenic Dry Basis (mg/kg)	Cadmium Dry Basis (mg/kg)	Chromium Dry Basis (mg/kg)	Copper Dry Basis (mg/kg)	Iron Dry Basis (mg/kg)	Lead Dry Basis (mg/kg)	Manganese Dry Basis (mg/kg)	Mercury Dry Basis (mg/kg)	Nickel Dry Basis (mg/kg)	Selenium Dry Basis (mg/kg)	Silver Dry Basis (mg/kg)	Zinc Dry Basis (mg/kg)
T														
Minimum	1340.00	25.00	1140.00	8.00	2.50	40.00	20000.00	500.00	200.00	0.10	25.00	1.00	10.00	80.00
Maximum	22500.00	180.00	6600.00	54.00	130.00	370.00	37400.00	2140.00	5840.00	0.73	150.00	1.00	70.00	6690.00
Average	4550.00	76.67	3688.33	23.25	13.13	107.50	26875.00	1277.50	1906.67	0.28	35.42	1.00	36.67	830.00
Standard Deviation	5744.83	52.02	1919.72	12.56	36.81	88.33	6074.71	551.58	1639.52	0.25	36.08	0.00	16.14	1863.07
n	12	12	12	12	12	12	12	12	12	11	12	12	12	12
N														
Minimum	6100.00	25.00	1660.00	17.00	2.50	80.00	26100.00	440.00	2080.00		25.00	1.00	10.00	620.00
Maximum	6100.00	25.00	1660.00	17.00	2.50	80.00	26100.00	440.00	2080.00		25.00	1.00	10.00	620.00
Average	6100.00	25.00	1660.00	17.00	2.50	80.00	26100.00	440.00	2080.00		25.00	1.00	10.00	620.00
Standard Deviation														
n	1	1	1	1	1	1	1	1	1	0	1	1	1	1

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/kg - milligrams per kilogram

Values calculated using < pql values as one-half pql

TABLE A20

Summary Statistics - Leachable Metals Concentrations for Chloride Gulch
Gold Creek Mine Investigation

Sample Type	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
T														
Minimum	0.10	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.0002	0.03	0.003	0.03	0.13
Maximum	16.30	0.03	0.23	0.01	0.01	0.03	6.11	0.26	0.23	0.0016	0.03	0.003	0.05	0.24
Average	3.46	0.03	0.09	0.00	0.01	0.01	1.90	0.10	0.13	0.0005	0.03	0.003	0.05	0.18
Standard Deviation	7.18	0.00	0.11	0.00	0.00	0.01	2.74	0.10	0.08	0.0006	0.00	0.000	0.01	0.05
n	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N														
Minimum														
Maximum														
Average														
Standard Deviation														
n	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

TABLE A21

Summary Statistics - Acid Base Accounting for Chloride Gulch
Gold Creek Mine Investigation

Sample Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
								HCL	HNO_3	Residual	Water Extractable	Total	
T													
Minimum	0.00	-18.00	0.50	0.23	3.80	5.70	1.80	0.05	0.10	0.05	0.10	0.06	-11.85
Maximum	21.00	17.00	23.00	5.01	6.10	6.70	8.90	0.10	0.20	0.40	0.50	0.76	33.74
Average	4.08	-0.75	3.50	1.02	4.79	6.14	5.66	0.07	0.11	0.11	0.13	0.25	11.57
Standard Deviation	6.16	8.30	6.28	1.41	0.64	0.28	1.94	0.02	0.03	0.11	0.12	0.25	10.87
n	12	12	12	12	12	12	12	12	12	12	12	12	12
N													
Minimum	9.00	-1.00	8.00	0.49	8.00	7.20	0.00	0.05	0.10	0.20	0.10	0.31	4.65
Maximum	9.00	-1.00	8.00	0.49	8.00	7.20	0.00	0.05	0.10	0.20	0.10	0.31	4.65
Average	9.00	-1.00	8.00	0.49	8.00	7.20	0.00	0.05	0.10	0.20	0.10	0.31	4.65
Standard Deviation													
n	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes:

W - Waste Rock
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SE - Sediment

mg/L - milligrams per liter

Values calculated using < pql values as one-half pql

Appendix B

Project Database

Total Metals - B1
Leachable Metals - B2
Acid Base Account, pH, and Electrical Conductivity - B3
Summary of Physical Test Properties - B4
Total Metals Measured with XRF Analyzer, Conjecture Mine - B5
Cross Reference of Lab and Sample Numbers - B6



Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Chloride Gulch Mine															
FS-CG-01(T)	11/8/00	3,780	U 50	3,520	21	U 5	60	24,100	800	1,510	U 0.20	U 50	U 2	30	240
FS-CG-03(T)	11/8/00	1,340	60	4,100	24	U 5	40	20,100	790	200	U 0.20	U 50	U 2	40	80
FS-CG-04(T)	11/8/00	3,510	U 50	1,710	8	U 5	120	25,500	2,100	970	U 0.20	U 50	U 2	30	190
FS-CG-06(T)	11/8/00	3,650	U 50	1,710	8	U 5	130	25,300	2,140	1,000	U 0.20	U 50	U 2	40	190
FS-CG-08(T)	11/8/00	2,670	60	3,860	19	U 5	70	24,500	880	890	U 0.20	U 50	U 2	30	140
FS-CG-10(T)	11/8/00	4,500	U 50	1,840	11	U 5	50	20,200	500	960	U 0.20	U 50	U 2	U 20	230
FS-CG-12(T)	11/8/00	2,850	150	6,210	32	U 5	110	31,700	1,720	5,840	0.73	U 50	U 2	40	260
FS-CG-13(T)	11/8/00	1,930	120	6,200	31	U 5	110	25,400	1,640	4,140	0.67	U 50	U 2	70	300
FS-CG-14(T)	11/8/00	1,470	70	4,530	24	U 5	70	20,000	980	1,730	0.27	U 50	U 2	20	1,060
FS-CG-15(T)	11/8/00	22,500	180	1,140	21	130	370	37,400	1,630	2,960	0.57	150	U 2	30	6,690
FS-CG-16-0-2(T)	6/18/01	2,300	100	6,600	54	U 5	50	32,100	1,270	780	0.20	U 50	U 2	60	160
FS-CG-21-0-2(D) D	6/18/01	4,200	50	3,050	24	U 5	100	32,700	860	1,680		U 50	U 2	40	460
FS-CG-21-0-2(T)	6/18/01	4,100	80	2,840	26	U 5	110	36,200	880	1,900		U 50	U 2	40	420
FS-CG-23-0-2(N)	6/18/01	6,100	U 50	1,660	17	U 5	80	26,100	440	2,080		U 50	U 2	U 20	620
Conjecture Mine															
FS-CM-01-0-6.8(W)	11/3/00	27,200	UM 50	M 770	10	11	47	38,800	398	2,890	UJ 0.20	U 50	U 2	U 20	702
FS-CM-01-6.8-9(N)	11/3/00	32,000	UM 50	84	U 2	U 5	34	23,700	100	1,480		U 50	U 2	U 20	304
FS-CM-02-10-12,20-22(W)	11/2/00	28,300	UM 50	M 340	5	U 5	30	47,600	315	1,640	UJ 0.20	U 50	U 2	U 20	653
FS-CM-02-34-34.5(N)	11/2/00	13,200	UM 50	M 80	U 2	U 5	22	20,600	40	713		U 50	U 2	U 20	144
FS-CM-02-34.5-35(N)	11/2/00	9,960	UM 50	M 70	U 2	U 5	22	22,500	40	685		U 50	U 2	U 20	86
FS-CM-02-35-37(N)	11/2/00	11,600	UM 50	70	U 2	U 5	22	20,300	40	598		U 50	U 2	U 20	88
FS-CM-03-4.5-6,9.5-11(W)	11/3/00	20,800	M 70	M 790	11	41	142	31,200	780	1,630	UJ 0.20	60	U 2	U 20	2,460
FS-CM-03-14.5-16(W)	11/3/00	15,600	UM 50	136	U 2	U 5	45	26,100	70	949		U 50	U 2	U 20	250

Notes:

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an extimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the paractical quantitation limit (PQL)

Cleanup guidlines based on Tetra Tech (1996)

mg/kg - milligrams per kilogram

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A blank cell indicates data not collected/analyzed

Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Conjecture Mine															
FS-CM-03-18-19.5(N)	11/3/00	13,500	UM 50	67	U 2	U 5	42	23,200	50	670		U 50	U 2	U 20	139
FS-CM-03-20-21(N)	11/3/00	12,900	UM 50	83	U 2	U 5	68	25,300	453	705		U 50	U 2	U 20	219
FS-CM-03-20-21,22.5-24(N)	11/3/00	12,900	M 60	M 1,190	26	13	197	56,300	769	5,420		50	U 2	U 20	4,710
FS-CM-04-0-0.5(N)	11/3/00	17,000	M 60	M 310	5	15	75	29,900	632	1,660	UJ 0.20	U 50	U 2	U 20	1,110
FS-CM-04-0.5-1.2(W)	11/3/00	22,400	UM 50	M 140	U 2	U 5	49	34,300	226	1,170		U 50	U 2	U 20	479
FS-CM-04-1.2-5.5(W)	11/2/00	12,700	MJF 50	490	JF% 8	U 5	77	33,000	309	2,020	UJ 0.20	U 50	U 2	U 20	M 703
FS-CM-04-5.5-6.5(W)	11/2/00	10,300	MJF 50	79	JF% 2	U 5	38	26,400	80	1,440		U 50	U 2	U 20	M 290
FS-CM-05-0-0.5(N)	11/2/00	20,400	MJF 50	2,110	JF% 19	U 5	123	33,600	1,190	894		U 50	U 2	30	M 337
FS-CM-05-3.4(W)	11/2/00	21,600	MJF 50	560	JF% 11	7	117	39,000	545	2,940	UJ 0.20	U 50	U 2	U 20	M 1,440
FS-CM-06-0-1.3(D) D	11/2/00	22,800	M 160	2,170	27	40	360	60,600	4,150	7,020	U 0.20	100	U 2	320	6,030
FS-CM-06-0-1.3(W)	11/3/00	24,100	MJF 80	2,060	JF% 45	31	370	61,200	4,080	7,220	UJ 0.20	110	U 2	309	M 7,410
FS-CM-07-0-2(D) D	11/2/00	6,610	M 280	1,600	15	U 5	652	120,000	4,980	303	UJ 0.20	U 50	U 2	397	M 1,920
FS-CM-07-0-2(W)	11/3/00	6,580	MJF 250	1,570	JF% 17	U 5	643	121,000	4,010	312	UJ 0.20	U 50	U 2	397	M 1,930
FS-CM-08-0.8-1.0(W)	11/3/00	8,930	MJF 50	230	JF% 4	U 5	91	18,400	362	834	UJ 0.20	U 50	U 2	U 20	M 828
FS-CM-09-0-2(W)	1/2/01														
FS-CM-09-4.5-6(W)	11/3/00	13,200	MJF 70	1,190	JF% 105	U 5	589	72,500	2,610	3,660	UJ 0.20	U 50	U 2	94	M 34,700
FS-CM-09-9.5-11(W)	11/3/00	13,500	MJF 90	1,130	JF% 24	U 5	366	77,200	995	2,220	UJ 0.20	U 50	U 2	80	M 4,600
FS-CM-09-14.5-16(W)	11/3/00	13,300	MJF 930	9,300	JF% 102	U 5	595	76,000	3,970	2,590		U 50	U 2	418	M 8,120
FS-CM-09-19.5-21(N)	11/3/00	4,780	MJF 490	2,240	JF% 33	U 5	449	55,400	9,220	13,100		U 50	U 2	448	M 2,890
FS-CM-10-0-7(N)	11/2/00	16,500	MJF 50	80	JF% 2	U 5	44	25,100	381	1,250	UJ 0.20	U 50	U 2	U 20	M 590
FS-CM-101-0-2.0(SE)	11/2/00	10,700	MJF 50	1,680	JF% 16	U 5	175	40,100	1,910	1,400	UJ 0.20	U 50	U 2	50	M 1,430
FS-CM-11-1.4-8.0(W)	11/2/00	13,100	MJF 50	180	JF% 8	U 5	114	23,900	277	3,180	UJ 0.20	U 50	U 2	U 20	M 1,450
FS-CM-12-0-2.4(W)	11/3/00	19,000	MJF 110	2,300	JF% 31	U 5	214	60,700	1,460	2,640	UJ 0.20	60	U 2	50	M 3,620

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Cleanup guidlines based on Tetra Tech (1996)

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Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Conjecture Mine															
FS-CM-12-2.4-5(N)	11/3/00	26,400	MJF 50	340	JF% 4	U 5	63	32,500	300	1,380		U 50	U 2	U 20	M 674
FS-CM-13-0-1.5(W)	11/3/00	13,000	MJF 220	1,300	JF% 13	U 5	277	63,300	2,570	805	UJ 0.20	U 50	U 2	207	M 1,260
FS-CM-13-1.5-5(N)	11/3/00	33,800	MJF 50	150	JF% 3	U 5	64	24,600	232	1,440		U 50	U 2	U 20	M 356
FS-CM-13-5.0-7.4(N)	11/3/00	11,200	MJF 50	88	JF% 2	U 5	30	22,900	90	661		U 50	U 2	U 20	M 141
FS-CM-15-0.5-2.5(W)	6/13/01	6,400	U 50	80	U 2	U 5	20	10,000	70	370	U 0.20	U 50	U 2	U 20	170
FS-CM-15-2.5-4(N)	6/13/01	15,100	U 50	240	2	U 5	100	30,400	530	600		U 50	U 2	30	200
FS-CM-21-20-21.5(W)	6/13/01	17,400	U 50	450	11	U 5	150	35,500	220	1,870	U 0.20	U 50	U 2	20	2,200
FS-CM-21-21.5-23(N)	6/13/01	21,300	U 50	230	4	U 5	80	26,300	110	1,450		U 50	U 2	U 20	690
FS-CM-29-0-2 (D) D	6/13/01	11,600	240	1,640	26	U 5	500	96,000	6,060	420		U 50	U 2	490	3,590
FS-CM-29-0-2(W)	6/13/01	9,200	290	1,190	13	U 5	380	50,800	4,090	370		U 50	U 2	340	2,960
FS-CM-29-2-3(N)	6/13/01	15,900	U 50	320	U 2	16	90	52,800	210	2,240		U 50	U 2	U 20	410
FS-CM-XRF-HS-1-0-2(W)	6/13/01	7,800	50	670	6	U 5	100	69,600	2,050	350		U 50	U 2	100	590
FS-CM-XRF-HS-6-2(W)	6/13/01	7,400	U 50	6	U 2	U 5	20	7,800	U 20	430		U 50	U 2	U 20	40
FS-CM-XRF-HS-6-9(W)	6/13/01	19,500	U 50	110	U 2	U 5	50	36,100	80	1,360		U 50	U 2	U 20	190
Idaho Lakeview Mine															
FS-IL-01-4.5-6.0(W)	11/6/00	4,370	M 150	4,630	33	U 5	168	47,800	1,330	2,990	0.40	U 50	U 2	30	2,030
FS-IL-01-9.5-11(W)	11/6/00	3,850	M 240	5,830	50	U 5	276	54,500	1,960	3,730	0.28	U 50	U 2	40	2,600
FS-IL-02-11-16(W)	11/7/00	20,300	M 160	7,580	61	U 5	169	73,600	431	2,870	U 0.20	U 50	U 2	U 20	3,530
FS-IL-02-16-21(W)	11/7/00	4,820	M 150	6,880	54	U 5	147	52,400	531	940	U 0.20	U 50	U 2	U 20	3,080
FS-IL-02-21-22(N)	11/7/00	5,580	M 100	2,940	25	U 5	100	39,900	816	1,120		U 50	U 2	U 20	2,020
FS-IL-02-22-23(N)	11/7/00	6,990	M 80	2,180	19	U 5	70	39,000	209	1,390		U 50	U 2	U 20	1,440
FS-IL-03-9.5-11(W)	11/7/00	7,250	M 140	3,740	30	U 5	226	44,800	1,340	2,200	0.24	U 50	U 2	106	1,690
FS-IL-03-29.5-31(W)	11/7/00	6,020	M 150	2,090	19	U 5	227	62,200	1,030	2,720	U 0.20	U 50	U 2	U 20	2,900

Notes:

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Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Idaho Lakeview Mine															
FS-IL-03-32-33(N)	11/7/00	4,390	M 330	7,080	54	U 5	308	68,800	3,780	3,390		U 50	U 2	123	5,420
FS-IL-03-33-34(N)	11/7/00	2,900	M 360	7,860	63	U 5	369	73,600	3,790	5,490		U 50	U 2	136	5,180
FS-IL-04-29.5-41(D) D	11/2/00	3,800	M 120	2,500	8	8	110	54,200	1,170	800	0.33	U 50	U 2	40	640
FS-IL-04-29.5-41(W)	11/6/00	5,080	M 150	2,710	18	U 5	123	67,600	724	469	U 0.20	U 50	U 2	U 20	476
FS-IL-04-42-43(N)	11/8/00	3,050	M 120	3,060	22	7	140	50,100	JF% 640	810		U 50	U 2	U 20	1,130
FS-IL-05-0-2.0-(T)	11/7/00	2,060	M 210	8,560	51	U 5	200	66,700	JF% 3,340	5,000	U 0.20	U 50	U 2	70	4,630
FS-IL-06-0-1.0(N)	11/6/00	9,340	M 80	400	4	13	60	23,100	JF% 440	1,440		U 50	U 2	U 20	950
FS-IL-06-1.0-4.8(T)	11/6/00	1,040	M 130	4,470	25	U 5	80	21,500	JF% 1,260	1,000	U 0.20	U 50	U 2	50	290
FS-IL-06-4.8-8.0(T)	11/6/00	1,680	M 150	1,680	52	10	220	29,600	JF% 1,680	4,670	0.21	U 50	U 2	70	6,430
FS-IL-07-0-2.0(T)	11/7/00	12,700	M 440	3,310	15	28	200	44,700	JF% 5,720	690	0.34	U 50	U 2	160	790
FS-IL-08-5.4-8.0(W)	11/6/00	10,700	M 60	1,060	6	11	70	26,600	JF% 310	910	U 0.20	U 50	U 2	U 20	310
FS-IL-09-1.0-3.0(T)	11/7/00	8,050	M 370	1,640	12	13	240	23,000	JF% 2,510	1,730	U 0.20	U 50	U 2	100	2,780
FS-IL-09-6.0-10(W)	11/6/00	11,300	M 80	1,400	10	12	120	30,800	JF% 380	500	U 0.20	U 50	U 2	U 20	1,320
FS-IL-12-3.5-7.0(D) D	11/2/00	12,100	M 60	660	2	12	50	28,200	240	900	U 0.20	U 50	U 2	U 20	490
FS-IL-12-3.5-7.0(N)	11/7/00	15,300	M 70	570	4	16	60	32,800	JF% 140	1,150	U 0.20	U 50	U 2	U 20	450
FS-IL-13-3.0-8.5(W)	11/7/00	2,430	M 250	6,180	41	U 5	260	62,100	JF% 3,710	4,800	0.38	U 50	U 2	120	4,260
FS-IL-13-8.5-13.5(W)	11/7/00	1,830	M 270	5,290	30	5	220	57,500	JF% 3,180	5,070	0.48	U 50	U 2	110	3,860
FS-IL-13-13.5-14.5(N)	11/7/00	30,500	M 80	700	5	16	50	38,000	JF% 230	2,730		U 50	U 2	U 20	1,040
FS-IL-13-14.5-15.5(N)	11/7/00	25,100	M 100	1,150	9	15	70	40,100	JF% 680	3,370		U 50	U 2	30	1,790
FS-IL-14-1.7-2.6(W)	11/7/00	1,470	M 130	3,420	16	U 5	40	19,000	JF% 4,920	60	0.32	U 50	U 2	90	2,070
FS-IL-14-2.6-3.3(N)	11/7/00	8,780	M 110	4,620	29	9	200	53,900	JF% 820	6,070		U 50	U 2	20	2,100
FS-IL-18-0-1.3(T)	6/18/01	1,400	60	7,820	73	U 5	50	30,700	900	570	0.40	U 50	U 2	40	160
FS-IL-18-1.3-2.5(N)	6/18/01	4,500	80	3,490	36	U 5	160	31,500	730	5,560		U 50	U 2	U 20	2,640

Notes:

M - Matrix spike recoveries exceed acceptable limits
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F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
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Cleanup guidlines based on Tetra Tech (1996)

mg/kg - milligrams per kilogram

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

D - Duplicate sample

A blank cell indicates data not collected/analyzed

Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Keep Cool															
FS-KC-01-0-4(W)	6/19/01	16,600	U 50	180	5	13	220	34,800	2,180	3,300	U 0.20	U 50	U 2	U 20	1,970
FS-KCG-01-0.2(N)	6/21/01	15,200	U 50	240	8	U 5	130	25,800	400	1,520		U 50	U 2	U 20	3,110
FS-KC-01-9(N)	6/19/01	19,800	U 50	160	5	23	220	38,200	1,820	3,920		50	U 2	U 20	2,730
FS-KC-02-0-1.9(W)	6/20/01	21,100	U 50	190	12	34	950	36,500	5,260	5,630		70	U 2	30	5,100
FS-KCG-02-0-2(N)	6/21/01	11,200	U 50	260	7	U 5	90	27,700	340	1,250		U 50	U 2	U 20	2,740
FS-KC-02-1.9-3.5(W)	6/20/01	17,400	U 50	210	7	20	230	34,300	2,320	3,740		U 50	U 2	U 20	2,810
FS-KC-03-0-4(W)	6/20/01	33,500	U 50	310	10	35	210	51,500	1,320	2,060		U 50	U 2	U 20	8,360
FS-KCG-03-0-2(N)	6/21/01	25	U 50	10	U 2	U 5	40	20,100	30	1,080		U 50	U 2	U 20	280
FS-KCG-04-0-2(N)	6/21/01	26,600	U 50	60	7	U 5	140	23,100	240	1,450		U 50	U 2	U 20	2,800
FS-KC-04-0-2.5(W)	6/20/01	1,900	820	1,460	44	U 5	2,280	68,800	73,200	230	1.10	U 50	U 2	530	17,200
FS-KC-05-0-3.6(W)	6/20/01	17,300	U 50	120	U 2	U 5	40	39,800	300	2,350		U 50	U 2	U 20	620
FS-KC-06-0-2.5(W)	6/20/01	18,500	U 50	200	17	9	430	32,700	3,300	4,320		U 50	U 2	U 20	9,080
FS-KC-06-4.7-6 (N)	6/20/01	36,300	U 50	50	7	U 5	30	25,700	90	860		U 50	U 2	U 20	2,630
FS-KC-08-0-3 (W)	6/20/01	13,800	70	420	43	U 5	900	37,100	7,400	5,860		U 50	U 2	U 20	20,600
FS-KC-08-3-7 (N)	6/20/01	17,200	U 50	100	6	U 5	90	29,800	730	2,100		U 50	U 2	U 20	2,340
FS-KC-09-0-5 (W)	6/20/01	5,200	250	1,030	11	U 5	530	38,900	9,120	1,320		U 50	U 2	130	1,090
FS-KC-10-2.3-4 (N)	6/20/01	22,000	U 50	80	4	U 5	160	23,700	1,180	1,400		U 50	U 2	U 20	1,640
FS-KC-11-0-5 (W)	6/20/01	16,900	U 50	120	8	U 5	260	28,000	2,230	2,510	U 0.20	U 50	U 2	U 20	3,680
FS-KC-12-0-3.8 (W)	6/20/01	10,000	U 50	480	9	U 5	1,710	71,400	41,400	2,330	0.80	U 50	U 2	180	4,670
FS-KC-12-3.8-6 (N)	6/20/01	20,800	U 50	14	16	U 5	1,180	22,000	190	5,010	U 0.20	U 50	U 2	U 20	2,740
FS-KC-20-10-11.5 (W)	6/20/01	3,500	U 50	60	4	U 5	80	19,100	40	1,030	U 0.20	U 50	U 2	U 20	1,110
FS-KC-20-15-16 (N)	6/20/01	2,400	U 50	110	3	U 5	30	20,600	40	860	U 0.20	U 50	U 2	U 20	1,270
FS-KC-21-10-11.5 (W)	6/20/01	11,800	220	1,000	32	U 5	810	31,400	12,100	1,310		U 50	U 2	160	6,920

Notes:

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F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the paractical quantitation limit (PQL)

Cleanup guidlines based on Tetra Tech (1996)

mg/kg - milligrams per kilogram

W - Waste Rock
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Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Keep Cool															
FS-KC-21-15-16.5 (N)	6/20/01	5,300	U 50	130	2	U 5	90	33,100	100	2,260		U 50	U 2	U 20	970
New Rainbow Mine															
FS-NR-01-0-2.0(W)	11/3/00	28,100	UM 50	180	8	37	78	34,700	335	1,560	UJ 0.20	60	U 2	U 20	2,200
FS-NR-02-0-2.0(W)	11/3/00	9,260	M 150	300	7	U 5	77	17,700	1,540	700	UJ 0.20	U 50	U 2	50	2,400
FS-NR-03-0-1.0(N)	11/3/00	16,800	UM 50	97	3	41	41	24,700	248	733		80	U 2	U 20	988
FS-NR-03-1.0-7.0(W)	11/3/00	12,500	UM 50	23	U 2	14	34	15,900	80	479	J 0.74	U 50	U 2	U 20	595
FS-NR-04-13.5-16.5(W)	11/8/00	9,970	UM 50	10	U 2	20	154	18,000	U 20	741	J 0.53	80	U 2	U 20	245
FS-NR-04-23-23.5(N)	11/8/00	45,800	UM 50	8	U 2	U 5	31	20,600	30	444		U 50	U 2	U 20	110
FS-NR-04-23.5-24.5(N)	11/8/00	28,700	UM 50	9	U 2	U 5	23	12,900	20	463		U 50	U 2	U 20	65
Weber Mine															
FS-WE-01-15-16.5(W)	6/13/01	800	2,700	610	14	U 5	50	16,800	8,440	100		U 50	U 2	250	120
FS-WE-01-40-41.5(W)	6/14/01	13,900	100	360	4	12	70	30,200	300	1,310	U 0.20	U 50	U 2	U 20	940
FS-WE-01-45-46.5(N)	6/14/01	16,600	U 50	150	3	12	40	28,400	210	1,110		U 50	U 2	U 20	1,480
FS-WE-02-2.5-4.0(W)	11/9/00	23,900	M 80	250	15	80	210	40,200	2,620	4,310	U 0.20	120	U 2	40	6,200
FS-WE-02-9.0-10.5(W)	11/9/00	27,700	UM 50	1,320	11	51	49	39,800	551	2,060	UJ 0.20	90	U 2	U 20	860
FS-WE-03-15-16.5(W)	6/14/01	8,100	U 50	70	U 2	12	40	16,700	140	440	U 0.20	U 50	U 2	U 20	190
FS-WE-03-16.5-17(N)	6/14/01	10,500	U 50	15	U 2	21	40	20,400	U 20	260		U 50	U 2	U 20	1,130
FS-WE-04-0-8.0(W)	11/9/00	4,490	M 110	6,940	43	U 5	44	33,400	1,680	437		U 50	U 2	70	170
FS-WE-06-0-2 (D) D	6/14/01	22,000	680	870	15	64	290	38,800	4,350	2,570		80	U 2	60	3,750
FS-WE-06-0-2(W)	6/14/01	31,000	790	1,100	18	89	350	44,900	4,870	2,620		90	U 2	50	4,340
FS-WE-06-2-4(N)	6/14/01	8,600	U 50	80	2	U 5	60	23,200	150	480		U 50	U 2	U 20	570
FS-WE-09-0-6(W)	6/14/01	16,700	60	290	3	7	60	27,200	200	1,010	U 0.20	U 50	U 2	U 20	650
FS-WE-09-7(N)	6/14/01	10,800	80	430	6	U 5	90	18,600	170	260		U 50	U 2	U 20	280

Notes:

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F% - Field duplicate results exceed acceptable limits - relative % difference determination
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Cleanup guidlines based on Tetra Tech (1996)

mg/kg - milligrams per kilogram

W - Waste Rock
T - Tailings
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SE - Sediment

D - Duplicate sample

A blank cell indicates data not collected/analyzed

Table B1
Total Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum Total (mg/kg)	Antimony Total (mg/kg)	Arsenic Total (mg/kg)	Cadmium Total (mg/kg)	Chromium Total (mg/kg)	Copper Total (mg/kg)	Iron Total (mg/kg)	Lead Total (mg/kg)	Manganese Total (mg/kg)	Mercury Total (mg/kg)	Nickel Total (mg/kg)	Selenium Total (mg/kg)	Silver Total (mg/kg)	Zinc Total (mg/kg)
Cleanup Guidelines		**NA**	**293**	**700**	**19.5**	**735,000**	**27,100**	**NA**	**1,100**	**665**	**220**	**14,650**	**NA**	**NA**	**220,000**
Weber Mine															
FS-WE-10-3-6(N)	6/14/01	17,800	50	370	5	15	50	28,100	300	990		U 50	U 2	U 20	1,330
FS-WE-10-0-3(W)	6/14/01	19,700	340	2,380	35	62	230	37,500	2,420	3,360		80	U 2	40	3,860
FS-WE-11-0-6(N)	6/14/01	13,400	U 50	130	U 2	10	30	25,900	180	850		U 50	U 2	U 20	330
FS-WE-13-0-5(W)	6/14/01	15,200	U 50	250	3	U 5	30	29,600	130	910		U 50	U 2	U 20	210
FS-WE-13-5-6(N)	6/14/01	8,900	U 50	780	7	U 5	20	21,800	170	350		U 50	U 2	U 20	180
FS-WE-14-10-11.5(W)	6/14/01	18,700	130	400	6	15	80	30,600	760	2,350	U 0.20	U 50	U 2	U 20	1,410
FS-WE-14-50-51.5(N)	6/14/01	5,000	U 50	27	U 2	7	40	15,800	U 20	400		U 50	U 2	U 20	40
FS-WE-15-0-2.5(W)	6/15/01	12,600	170	860	14	26	310	42,900	1,850	3,570		U 50	U 2	U 20	2,060

Notes:

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F% - Field duplicate results exceed acceptable limits - relative % difference determination
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Cleanup guidlines based on Tetra Tech (1996)

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SE - Sediment

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Table B2
Leachable Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
Chronic Aquatic Life Standard		**NA**	**NA**	**0.19**	**0.001 [1]**	**0.01 [1,2]**	**0.011 [1]**	**NA**	**0.0025 [1]**	**NA**	**0.000012**	**0.16 [1]**	**0.005**	**NA**	**0.1 [1]**
Chloride Gulch Mine															
FS-CG-03(T)	11/8/00	UM 0.1	U 0.05	0.017	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	0.19	UM 0.0002	U 0.05	U 0.005	UM 0.05	0.22
FS-CG-04(T)	11/8/00	M 0.6	U 0.05	0.19	U 0.005	U 0.02	B 0.03	3.3	0.26	0.06	UM 0.0002	U 0.05	U 0.005	UM 0.05	B 0.13
FS-CG-10(T)	11/8/00	M 16.3	U 0.05	0.23	U 0.005	U 0.02	U 0.02	6.11	0.11	0.23	UM 0.0002	U 0.05	U 0.005	UM 0.05	0.15
FS-CG-15(T)	11/8/00	UM 0.1	U 0.05	0.012	U 0.005	U 0.02	U 0.02	0.06	U 0.05	0.1	M 0.0016	U 0.05	U 0.005	UM 0.05	0.24
FS-CG-16-0-2(T)	6/18/01	0.2	U 0.05	0.025	0.01	U 0.02	U 0.02	U 0.05	0.06	0.06	U 0.0005	U 0.05	U 0.005	U 0.05	B 0.18
Conjecture Mine															
FS-CM-01-0-6.8(W)	11/3/00	0.2	U 0.05	0.016	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	U 0.05	U 0.0002	U 0.05	U 0.005	U 0.05	U 0.02
FS-CM-02-10-12,20-22(W)	11/2/00	U 0.1	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	1.06	U 0.0002	U 0.05	U 0.005	U 0.05	U 0.02
FS-CM-03-4.5-6,9.5-11(W)	11/3/00	0.6	U 0.05	0.019	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	U 0.05	U 0.0002	U 0.05	U 0.005	U 0.05	0.02
FS-CM-04-1.2-5.5(W)	11/2/00	0.6	U 0.05	B 0.006	U 0.005	U 0.02	U 0.02	JF 0.34	JF% 0.05	U 0.05	UJ 0.0002	U 0.05	U 0.005	U 0.05	U 0.02
FS-CM-06-0-1.3(W)	11/3/00	U 0.1	0.07	B 0.02	U 0.005	U 0.02	U 0.02	UJF 0.05	JF% 0.05	U 0.05	UJ 0.0002	U 0.05	U 0.005	U 0.05	U 0.02
FS-CM-06-0-1.3(D) D	11/2/00	U 0.1	0.08	0.02	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	U 0.05	UM 0.0002	U 0.05	U 0.005	U 0.05	U 0.02
FS-CM-07-0-2(W)	11/3/00	0.5	U 0.05	U 0.005	0.01	U 0.02	0.17	JF 0.05	JF% 1.53	1.76	UJ 0.0002	U 0.05	U 0.005	U 0.05	2.77
FS-CM-07-0-2(D) D	11/2/00	0.6	U 0.05	U 0.005	0.01	U 0.02	0.2	0.22	5.94	1.48	UJ 0.0002	U 0.05	U 0.005	U 0.05	2.87
FS-CM-09-9.5-11(W)	11/3/00	U 0.1	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	UJF 0.05	JF% 0.05	2.68	UJ 0.0002	U 0.05	U 0.005	U 0.05	B 0.17
FS-CM-10-0-7(N)	11/2/00	7.8	U 0.05	B 0.006	U 0.005	U 0.02	U 0.02	JF 5.95	JF% 0.05	0.09	UJ 0.0002	U 0.05	U 0.005	U 0.05	B 0.12
FS-CM-11-1.4-8.0(W)	11/2/00	0.3	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	UJF 0.05	JF% 0.05	U 0.05	UJ 0.0002	U 0.05	U 0.005	U 0.05	UB 0.02
Idaho Lakeview Mine															
FS-IL-01-4.5-6.0(W)	11/6/00	U 0.1	0.13	0.18	U 0.005	U 0.02	U 0.02	0.07	U 0.05	U 0.05	UM 0.0002	U 0.05	U 0.005	U 0.05	B 0.12
FS-IL-02-11-16(W)	11/7/00	U 0.1	U 0.05	0.046	0.009	U 0.02	U 0.02	U 0.05	U 0.05	0.54	UM 0.0002	U 0.05	U 0.005	U 0.05	0.91

Notes:

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J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the paractical quantitation limit (PQL)

B - Present in the SPLP extraction blank or the prepration blank.

mg/L - milligrams per liter

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

D - Duplicate sample

A blank cell indicates data not collected/analyzed

Chronic Aquatic Life Standard from Idaho Administrative Procedures Act (IDAPA) 16.01.02.250 (Surface water quality criteria)

1 - Based on 100 mg/L hardness
2 - Standard for chromium VI. The standard for chromium III is 0.16 mg/L

Table B2
Leachable Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
Chronic Aquatic Life Standard		**NA**	**NA**	**0.19**	**0.001 [1]**	**0.01 [1,2]**	**0.011 [1]**	**NA**	**0.0025 [1]**	**NA**	**0.000012**	**0.16 [1]**	**0.005**	**NA**	**0.1 [1]**
Idaho Lakeview Mine															
FS-IL-04-29.5-41(W)	11/6/00	U 0.1	U 0.05	0.005	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	3.5	UM 0.0002	U 0.05	U 0.005	U 0.05	0.61
FS-IL-05-0-2.0-(T)	11/7/00	U 0.1	U 0.05	0.022	U 0.005	U 0.02	U 0.02	0.06	U 0.05	0.2	UM 0.0002	U 0.05	U 0.005	U 0.05	B 0.07
FS-IL-06-4.8-8.0(T)	11/6/00	U 0.1	0.15	0.36	U 0.005	U 0.02	U 0.02	0.08	U 0.05	3.71	U 0.0002	U 0.05	U 0.005	U 0.05	0.41
FS-IL-07-0-2.0(T)	11/7/00	U 0.1	U 0.05	U 0.005	0.008	U 0.02	U 0.02	U 0.05	U 0.05	0.41	UM 0.0002	U 0.05	U 0.005	U 0.05	0.64
FS-IL-09-1.0-3.0(T)	11/7/00	0.3	U 0.05	U 0.005	0.011	U 0.02	0.74	U 0.05	6.88	2.44	UM 0.0002	U 0.05	U 0.005	U 0.05	3.05
FS-IL-12-3.5-7.0(D) D	11/2/00	0.1	U 0.05	0.006	U 0.005	0.03	U 0.02	0.19	U 0.05	0.1	UM 0.0002	U 0.05	U 0.005	U 0.05	B 0.05
FS-IL-13-8.5-13.5(W)	11/7/00	U 0.1	0.08	0.03	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	0.31	U 0.0002	U 0.05	U 0.005	U 0.05	B 0.04
FS-IL-18-0-1.3(T)	6/18/01	0.2	U 0.05	0.015	0.011	U 0.02	U 0.02	0.1	U 0.05	0.1	U 0.0005	U 0.05	U 0.005	U 0.05	B 0.23
Keep Cool															
FS-KC-01-0-4(W)	6/19/01	0.2	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	0.05	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.66
FS-KC-04-0-2.5(W)	6/20/01	2.4	U 0.05	0.016	U 0.005	U 0.02	U 0.02	1.3	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.43
FS-KC-11-0-5 (W)	6/20/01	0.9	U 0.05	0.008	U 0.005	U 0.02	U 0.02	0.67	0.1	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.4
FS-KC-12-0-3.8 (W)	6/20/01	0.1	U 0.05	U 0.005	0.028	U 0.02	0.33	U 0.05	15.7	0.75	0.0024	U 0.05	U 0.005	U 0.05	14
FS-KC-12-3.8-6 (N)	6/20/01	0.3	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	0.42	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.19
FS-KC-20-10-11.5 (W)	6/20/01	0.5	U 0.05	U 0.005	U 0.005	U 0.02	U 0.02	0.21	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.38
FS-KC-20-15-16 (N)	6/20/01	0.8	U 0.05	0.006	U 0.005	U 0.02	U 0.02	0.57	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.29
New Rainbow Mine															
FS-NR-01-0-2.0(W)	11/3/00	0.8	U 0.05	0.023	U 0.005	U 0.02	U 0.02	0.36	U 0.05	U 0.05	UM 0.0002	U 0.05	U 0.005	U 0.05	0.05
FS-NR-02-0-2.0(W)	11/3/00	0.4	0.21	0.074	U 0.005	U 0.02	U 0.02	0.35	U 0.05	U 0.05	UM 0.0002	U 0.05	U 0.005	U 0.05	B 0.06
FS-NR-03-1.0-7.0(W)	11/3/00	0.2	U 0.05	0.008	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	U 0.05	M 0.0012	U 0.05	U 0.005	U 0.05	U 0.02

Notes:

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the paractical quantitation limit (PQL)

B - Present in the SPLP extraction blank or the prepration blank.

mg/L - milligrams per liter

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

D - Duplicate sample

A blank cell indicates data not collected/analyzed

Chronic Aquatic Life Standard from Idaho Administrative Procedures Act (IDAPA) 16.01.02.250 (Surface water quality criteria)

1 - Based on 100 mg/L hardness
2 - Standard for chromium VI. The standard for chromium III is 0.16 mg/L

Table B2
Leachable Metals
Gold Creek Mine Investigation

Sample Site	Sample Date	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
Chronic Aquatic Life Standard		**NA**	**NA**	**0.19**	**0.001** [1]	**0.01** [1,2]	**0.011** [1]	**NA**	**0.0025** [1]	**NA**	**0.000012**	**0.16** [1]	**0.005**	**NA**	**0.1** [1]
Weber Mine															
FS-WE-01-40-41.5(W)	6/14/01	3.6	U 0.05	0.029	U 0.005	U 0.02	U 0.02	2.6	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	1.07
FS-WE-02-9.0-10.5(W)	11/9/00	U 0.1	0.06	0.068	U 0.005	U 0.02	U 0.02	U 0.05	U 0.05	U 0.05	M 0.0008	U 0.05	U 0.005	U 0.05	U 0.02
FS-WE-03-15-16.5(W)	6/14/01	0.5	U 0.05	0.01	U 0.005	U 0.02	U 0.02	0.12	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	0.61
FS-WE-04-0-8.0(W)	11/9/00	2.6	0.28	0.1	U 0.005	U 0.02	U 0.02	2.44	0.13	U 0.05	M 0.0006	U 0.05	U 0.005	U 0.05	0.47
FS-WE-09-0-6(W)	6/14/01	0.1	U 0.05	U 0.005	0.024	U 0.02	U 0.02	0.3	22.7	0.26	U 0.0005	U 0.05	U 0.005	U 0.05	3.5
FS-WE-14-10-11.5(W)	6/14/01	1.9	0.09	0.022	U 0.005	U 0.02	U 0.02	0.44	U 0.05	U 0.05	U 0.0005	U 0.05	U 0.005	U 0.05	2.21

Notes:

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the paractical quantitation limit (PQL)

B - Present in the SPLP extraction blank or the prepration blank.

mg/L - milligrams per liter

W - Waste Rock
T - Tailings
N - Native
SE - Sediment

D - Duplicate sample

A blank cell indicates data not collected/analyzed

Chronic Aquatic Life Standard from Idaho Administrative Procedures Act (IDAPA) 16.01.02.250 (Surface water quality criteria)

1 - Based on 100 mg/L hardness
2 - Standard for chromium VI. The standard for chromium III is 0.16 mg/L

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Chloride Gulch Mine															
FS-CG-01(T)	0.3-1.3	T	0	0	U 1	0.79	4.8	6	6	U 0.1	U 0.1	U 0.1	U 0.1	0.1	10.156
FS-CG-03(T)	0.25-0.75	T	0	0	U 1	0.62	3.8	6.3	4.6	U 0.1	U 0.1	U 0.1	U 0.1	0.14	9.9688
FS-CG-04(T)	0.25-1.75	T	9	-9	U 1	0.32	4.1	6.2	5.3	0.1	U 0.1	0.2	U 0.1	0.39	20.024
FS-CG-06(T)	5.5-6.0	T	3	-3	U 1	0.23	4.5	6.2	5.3	U 0.1	U 0.1	0.1	U 0.1	0.18	16.118
FS-CG-08(T)	0.1-0.6	T	0	2	2	0.31	4.5	5.8	8.1	U 0.1	U 0.1	U 0.1	U 0.1	0.11	11.922
FS-CG-10(T)	0.1-0.75	T	0	2	2	0.58	5.1	6.3	4.6	U 0.1	U 0.1	U 0.1	U 0.1	0.06	5.5938
FS-CG-12(T)	0.25-0.8	T	0	2	2	0.41	4.8	5.8	8.1	U 0.1	U 0.1	U 0.1	U 0.1	0.07	10.359
FS-CG-13(T)	0.3-0.8	T	0	5	5	0.36	5.5	6.3	4.6	U 0.1	U 0.1	U 0.1	U 0.1	0.06	1.8438
FS-CG-14(T)	0.0-6.0	T	5	-3	2	5.01	5.2	6.2	5.3	0.1	0.1	U 0.1	0.5	0.76	14.868
FS-CG-15(T)	0.1-1.4	T	6	17	23	0.5	6.1	6.7	1.8	U 0.1	U 0.1	0.2	U 0.1	0.21	-11.85
FS-CG-16-0-2(T)	0-0.2	T	5	-4	1	0.53	4.9	6.2	5.3	0.1	U 0.1	0.1	U 0.1	0.22	16.118
FS-CG-21-0-2(D) D	0-0.2	D	21		U 1	1.8	3.8	6	6						
FS-CG-21-0-2(T)	0-0.2	T	21	-18	3	2.62	4.2	5.7	8.9	0.1	0.2	0.4	U 0.1	0.73	33.743
FS-CG-23-0-2(N)	0-0.2	N	9	-1	8	0.49	8	7.2	0	U 0.1	0.1	0.2	U 0.1	0.31	4.6488
Conjecture Mine															
FS-CM-01-0-6.8(W)	0-6.8	W	53	-12	41	1.92	7.4	7.4	0	U 0.1	0.6	1.1	U 0.1	1.64	18.086
FS-CM-01-6.8-9(N)	6.8-9	N	3	4	7	3.04	5.6	6.2	5.3	U 0.1	U 0.1	0.1	0.1	0.23	8.6175
FS-CM-02-10-12,20-22(W)	10-12,20-22	W	44	-29	15	5.36	5.9	6.9	0.3	U 0.1	0.4	1	0.1	1.54	39.243

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Conjecture Mine															
FS-CM-02-34-34.5(N)	34-34.5	N	0	6	6	0.97	6.6	7.1	0	U 0.1	U 0.1	U 0.1	U 0.1	0.02	-6.719
FS-CM-02-34.5-35(N)	34.5-35	N	0	6	6	0.46	7.2	7.3	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.01	-7.109
FS-CM-02-35-37(N)	35-37	N	0	8	8	0.49	7.1	7.3	0	U 0.1	U 0.1	U 0.1	U 0.1	0.01	-9.609
FS-CM-03-4.5-6,9.5-11(W)	4.5-6,9.5-11	W	9	37	46	1	6.9	7	0	U 0.1	0.1	0.2	U 0.1	0.3	-42.85
FS-CM-03-14.5-16(W)	14.5-16	W	0	12	12	1.17	7	7.2	0	U 0.1	U 0.1	U 0.1	U 0.1	0.06	-12.66
FS-CM-03-18-19.5(N)	18-19.5	N	0	7	7	is	7.1	7.3	0	U 0.1	U 0.1	U 0.1	U 0.1	0.01	-8.359
FS-CM-03-20-21(N)	20-21	N	0	19	19	0.48	7.1	7.3	0	U 0.1	U 0.1	U 0.1	U 0.1	0.02	-22.97
FS-CM-03-20-21,22.5-24(N)	20-21,22.5-24	N	134	-62	72	4.97	6	7.1	0	U 0.1	3.9	0.4	0.1	4.03	80.899
FS-CM-04-0-0.5(N)	0-0.5	N	3	4	7	0.66	5.4	6.5	3.1	U 0.1	U 0.1	0.1	U 0.1	0.11	5.8675
FS-CM-04-0.5-1.2(W)	0.5-1.2	W	0	8	8	0.58	6.2	7	0	U 0.1	U 0.1	U 0.1	U 0.1	0.09	-6.484
FS-CM-04-1.2-5.5(W)	1.2-5.5	W	22	-12	10	JF% 1.17	7	7.3	0	U 0.1	0.2	0.5	UJF 0.1	0.7	17.774
FS-CM-04-5.5-6.5(W)	5.5-6.5	W	0	5	5	JF% 0.5	7.2	7.4	0	U 0.1	U 0.1	U 0.1	UJF 0.1	0.03	4.4925
FS-CM-05-0-0.5(N)	0-0.5	N	0	0	U 1	JF% 0.24	4.5	5.8	8.1	U 0.1	U 0.1	U 0.1	UJF 0.1	0.16	19.618
FS-CM-05-3.4(W)	3.4	W	25	-10	15	JF% 1.72	6.4	7.1	0	U 0.1	U 0.1	0.8	UJF 0.1	0.85	19.336
FS-CM-06-0-1.3(D) D	0-1.3	W	106	-32	74	1.75	7.4	7.3	--	U 0.1	1.2	2.2	UJF 0.1	2.84	
FS-CM-06-0-1.3(W)	0-1.3	W	100	-31	69	JF% 0.91	7.4	7.5	0	U 0.1	1	2.2	UJF 0.1	2.88	41.68
FS-CM-07-0-2(D) D	0-2	W	41	-41	U 1	3.47	3.4	5.1	13.2	U 0.1	U 0.1	1.3	0.3	1.4	72.868
FS-CM-07-0-2(W)	0-2	W	42	-42	U 1	JF% 3.55	3.4	5.2	12.5	0.2	U 0.1	1.2	UJF 0.1	1.45	71.016

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Conjecture Mine															
FS-CM-08-0.8-1.0(W)	0.8-1.0	W	3	5	8	JF% 1.32	6.3	7.2	0	U 0.1	U 0.1	0.1	UJF 0.1	0.14	0.7425
FS-CM-09-4.5-6(W)	4.5-6	W	231	-201	30	JF% 2.93	6.8	7.5	0	U 0.1	1.1	6.3	UJF 0.1	6.94	254.49
FS-CM-09-9.5-11(W)	9.5-11	W	169	-137	32	JF% 4.26	6.2	7.2	0	U 0.1	1.8	3.6	0.6	5.26	173.87
FS-CM-09-14.5-16(W)	14.5-16	W	184	-162	22	JF% 4.23	5	6.6	2.4	U 0.1	2.3	3.6	0.1	5.52	208.9
FS-CM-09-19.5-21(N)	19.5-21	N	166	-109	57	JF% 2.67	6.4	7.2	0	U 0.1	1.7	3.6	0.2	5.47	138.71
FS-CM-10-0-7(N)	0-7	N	0	4	4	JF% 0.32	5.6	6.6	2.4	U 0.1	U 0.1	U 0.1	UJF 0.1	0.06	8.7425
FS-CM-101-0-2.0(SE)	0-2.0	SE	22	-16	6	JF% 0.93	6.4	7.1	0	U 0.1	U 0.1	0.7	UJF 0.1	0.75	26.68
FS-CM-11-1.4-8.0(W)	1.4-8.0	W	12	49	61	JF% 0.79	7.2	7.3	0	U 0.1	U 0.1	0.3	UJF 0.1	0.32	-57.7
FS-CM-12-0-2.4(W)	0-2.4	W	109	-88	21	JF% 3.91	6.4	7.3	0	U 0.1	1.1	2.4	UJF 0.1	3.35	113.4
FS-CM-12-2.4-5(N)	2.4-5	N	12	-9	3	JF% 2.51	5.1	6.1	6.1	U 0.1	U 0.1	0.3	UJF 0.1	0.45	22.43
FS-CM-13-0-1.5(W)	0-1.5	W	30	-30	U 1	JF% 1.67	3.5	5.1	13.2	0.1	U 0.1	0.8	UJF 0.1	1.08	53.336
FS-CM-13-1.5-5(N)	1.5-5	N	5	-5	U 1	JF% 0.91	4.7	5.3	11.7	0.1	U 0.1	0.1	UJF 0.1	0.23	24.118
FS-CM-13-5.0-7.4(N)	5.0-7.4	N	0	4	4	JF% 0.66	5.8	6.9	0.3	U 0.1	U 0.1	U 0.1	UJF 0.1	0.03	6.1175
FS-CM-15-0.5-2.5(W)	0.5-2.5	W	0	12	12	is	8.3	7.4	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-13.05
FS-CM-15-2.5-4(N)	2.5-4	N	0	0	U 1	0.45	4	5.2	12.5	U 0.1	U 0.1	U 0.1	U 0.1	0.14	19.844
FS-CM-21-20-21.5(W)	20-21.5	W	52	-32	20	1.65	6.2	6.6	2.4	0.1	0.8	0.8	U 0.1	1.7	43.43
FS-CM-21-21.5-23(N)	21.5-23	N	12	-4	8	0.56	7	6.8	2.4	U 0.1	U 0.1	0.4	U 0.1	0.45	15.461
FS-CM-29-0-2 (D) D	0-2	D	35		U 1	6.86	3.1	4.5	15.5						

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
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U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Conjecture Mine															
FS-CM-29-0-2(W)	0-2	W	26	-26	U 1	5.23	2.8	4.3	20	0.3	U 0.1	0.8	0.3	1.4	67.696
FS-CM-29-2-3(N)	2-3	N	5	-5	U 1	3.84	2.9	4.2	19	0.2	U 0.1	U 0.1	U 0.1	0.38	36.173
FS-CM-XRF-HS-1-0-2(W)	0-2	W	25	-21	4	1.82	5.4	6.8	1	U 0.1	0.2	0.6	0.2	0.99	30.43
FS-CM-XRF-HS-6-2(W)	2	W	0	21	21	0.39	8.5	7.4	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-24.3
FS-CM-XRF-HS-6-9(W)	9	W	22	6	28	0.66	8.5	7.5	0	U 0.1	0.3	0.4	U 0.1	0.6	-4.726
Idaho Lakeview Mine															
FS-IL-01-4.5-6.0(W)	4.5-6.0	W	208	-122	86	1.56	7.1	7.5	0	U 0.1	2.3	J 1.5	U 0.1	3.29	43.868
FS-IL-01-9.5-11(W)	9.5-11	W	257	-181	76	1.68	7	7.4	0	U 0.1	2.9	J 1.8	0.4	4.31	91.524
FS-IL-02-11-16(W)	11-16	W	77	-1	76	3.17	5.8	6.5	3.1	0.3	U 0.1	J 1.4	1.8	3.52	-23.74
FS-IL-02-16-21(W)	16-21	W	120	-105	15	5.1	5.6	6.6	2.4	U 0.1	1	J 1.2	0.5	2.62	73.118
FS-IL-02-21-22(N)	21-22	N	71	-34	34	4.51	6.6	7.1	0	U 0.1	0.7	J 0.6	0.2	1.42	11.211
FS-IL-02-22-23(N)	22-23	N	60	-25	35	5.04	6.8	7.2	0	U 0.1	0.6	J 0.5	0.2	1.19	2.1488
FS-IL-03-9.5-11(W)	9.5-11	W	170	-79	91	3.08	7.3	7.4	0	U 0.1	1.6	J 1.5	0.2	2.66	10.274
FS-IL-03-29.5-31(W)	29.5-31	W	188	-75	113	is	is	7.4	0	U 0.1	2.6	J 3.4	U 0.1	4.68	96.055
FS-IL-03-32-33(N)	32-33	N	134	-81	53	3.04	7	7.2	0	U 0.1	2.1	J 2.2	0.2	4.12	104.65
FS-IL-03-33-34(N)	33-34	N	175	-123	52	3.37	6.9	7.2	0	U 0.1	3	J 2.6	U 0.1	5.32	156.68
FS-IL-04-29.5-41(D) D	29.5-41	W	50	-39	11	4.24	5.6	6.4	3.9	U 0.1	0.5	1.1	1.1	2.72	56.555
FS-IL-04-29.5-41(W)	29.5-41	W	49	98	147	4.52	4.7	5.7	8.9	0.1	0.7	J 0.8	1.1	2.7	-111.1

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Idaho Lakeview Mine															
FS-IL-04-42-43(N)	42-43	N	53	-49	4	6.57	4.3	5.9	5.9	U 0.1	0.7	1	0.7	JF% 2.5	JF% 71.711
FS-IL-05-0-2.0-(T)	0-2.0	T	147	-111	36	3.03	6.4	7	0	U 0.1	2.8	1.9	U 0.1	JF% 4.49	JF% 141.52
FS-IL-06-0-1.0(N)	0-1.0	N	9	2	11	1.64	6.6	7.1	0	0.1	U 0.1	0.2	U 0.1	JF% 0.17	JF% 0.8988
FS-IL-06-1.0-4.8(T)	1.0-4.8	T	19	-14	5	5.22	5.2	6.7	1.8	U 0.1	0.4	0.2	0.3	JF% 0.94	JF% 22.368
FS-IL-06-4.8-8.0(T)	4.8-8.0	T	91	-57	34	3.54	6.1	7.3	0	U 0.1	1.9	1	U 0.1	JF% 2.76	JF% 73.711
FS-IL-07-0-2.0(T)	0-2.0	T	9	-9	U 1	0.37	4.2	4.9	14.7	0.1	U 0.1	0.2	U 0.1	JF% 0.32	JF% 31.774
FS-IL-08-5.4-8.0(W)	5.4-8.0	W	0	2	2	0.76	4.3	6	6	U 0.1	U 0.1	U 0.1	U 0.1	JF% 0.12	JF% 9.6875
FS-IL-09-1.0-3.0(T)	1.0-3.0	T	18	-15	3	2.25	4.5	6.2	5.3	0.1	0.1	0.4	0.1	JF% 0.7	JF% 25.336
FS-IL-09-6.0-10(W)	6.0-10	W	12	-11	1	2.44	4.3	5.8	8.1	U 0.1	0.1	0.3	U 0.1	JF% 0.49	JF% 27.43
FS-IL-12-3.5-7.0(D) D	3.5-7	N	3	1	4	(1)	(1)	6.2	5.3	U 0.1	U 0.1	0.1	0.2	0.31	12.368
FS-IL-12-3.5-7.0(N)	3.5-7.0	N	0	4	4	0.61	5.1	6.3	4.6	U 0.1	U 0.1	U 0.1	U 0.1	JF% 0.06	JF% 3.0938
FS-IL-13-3.0-8.5(W)	3.0-8.5	W	162	104	58	2.63	7	7.2	0	U 0.1	2.8	2.4	U 0.1	JF% 4.68	JF% 133.56
FS-IL-13-8.5-13.5(W)	8.5-13.5	W	141	-135	6	3.48	7	7.2	0	U 0.1	2.3	2.2	0.2	JF% 4.21	JF% 171.21
FS-IL-13-13.5-14.5(N)	13.5-14.5	N	6	3	9	1.91	6.5	6.5	3.1	U 0.1	U 0.1	0.2	U 0.1	JF% 0.22	JF% 7.2738
FS-IL-13-14.5-15.5(N)	14.5-15.5	N	21	-5	16	3.13	6.5	6.6	2.4	0.1	0.1	0.5	0.1	JF% 0.81	JF% 9.3675
FS-IL-14-1.7-2.6(W)	1.7-2.6	W	43	-43	U 1	6.67	2.7	4.9	14.7	0.1	0.7	0.6	U 0.1	JF% 1.44	JF% 70.836
FS-IL-14-2.6-3.3(N)	2.6-3.3	N	28	-14	14	2.42	5.8	6.5	3.1	U 0.1	0.1	0.8	U 0.1	JF% 0.93	JF% 24.461
FS-IL-18-0-1.3(T)	0-1.3	T	5	-5	U 1	0.18	3.8	5.8	8.1	0.2	U 0.1	U 0.1	U 0.1	0.15	22.548

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Idaho Lakeview Mine															
FS-IL-18-1.3-2.5(N)	1.3-2.5	N	16	10	26	0.58	7.7	7.2	0	U 0.1	0.3	0.2	U 0.1	0.58	-10.04
Keep Cool Mine															
FS-KC-01-0-4(W)	0-4	W	0	5	5	0.56	5.6	6.3	4.6	U 0.1	U 0.1	U 0.1	U 0.1	0.09	3.0156
FS-KCG-01-0.2(N)	0.2	N	0	8	8	0.21	7.2	6.4	3.9	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-3.172
FS-KC-01-9(N)	9	N	3	3	6	0.98	5.6	6.7	1.8	U 0.1	U 0.1	0.1	U 0.1	0.16	5.4925
FS-KC-02-0-1.9(W)	0-1.9	W	16	-6	10	0.59	6	7.2	0	U 0.1	U 0.1	0.5	U 0.1	0.51	13.868
FS-KCG-02-0-2(N)	0-2	N	0	8	8	0.24	7.8	7.1	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-8.047
FS-KC-02-1.9-3.5(W)	1.9-3.5	W	6	3	9	1.05	6	7	0	U 0.1	U 0.1	0.2	U 0.1	0.28	3.3988
FS-KC-03-0-4(W)	0-4	W	0	9	9	0.23	5.8	6.8	1	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-8.047
FS-KCG-03-0-2(N)	0-2	N	0	3	3	0.06	7.3	5.8	8.1	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	8.3281
FS-KC-04-0-2.5(W)	0-2.5	W	104	-104	U 1	0.27	4	6.4	3.9	0.3	U 0.1	3.1	0.4	3.77	137.42
FS-KCG-04-0-2(N)	0-2	N	0	8	8	0.17	7.8	6.5	3.1	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-4.172
FS-KC-05-0-3.6(W)	0-3.6	W	0	3	3	0.27	5.5	6.9	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-1.797
FS-KC-06-0-2.5(W)	0-2.5	W	44	34	78	1.23	7	7.3	0	U 0.1	0.8	0.6	U 0.1	1.31	-39.88
FS-KC-06-4.7-6 (N)	4.7-6	N	0	6	6	1.5	6.4	6.6	2.4	U 0.1	U 0.1	U 0.1	U 0.1	0.05	-2.547
FS-KC-08-0-3 (W)	0-3	W	116	-89	27	1.91	6.6	7.4	0	U 0.1	2.6	1.1	U 0.1	3.59	113.71
FS-KC-08-3-7 (N)	3-7	N	0	4	4	2.25	5.6	6.6	2.4	U 0.1	U 0.1	U 0.1	U 0.1	0.09	1.5156
FS-KC-09-0-5 (W)	0-5	W	12	-12	U 1	0.32	4.5	6.6	2.4	U 0.1	U 0.1	0.3	U 0.1	0.33	20.305

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Keep Cool Mine															
FS-KC-10-2.3-4 (N)	2.3-4	N	0	0	U 1	0.25	5.5	6	6	U 0.1	U 0.1	U 0.1	U 0.1	0.11	10.547
FS-KC-11-0-5 (W)	0-5	W	25	23	48	0.57	7.8	7.3	0	U 0.1	0.4	0.4	U 0.1	0.79	-25.82
FS-KC-12-0-3.8 (W)	0-3.8	W	60	-60	U 1	0.62	4.3	6.1	6.1	0.3	U 0.1	1.7	U 0.1	2.07	85.478
FS-KC-12-3.8-6 (N)	3.8-6	N	0	2	2	0.65	6.4	6.6	2.4	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	2.4531
FS-KC-20-10-11.5 (W)	10-11.5	W	0	0	U 1	0.65	6.4	7.2	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	0.7031
FS-KC-20-15-16 (N)	15-16	N	0	8	8	is	8.2	7.5	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-8.047
FS-KC-21-10-11.5 (W)	10-11.5	W	24	-24	U 1	is	5.4	6	6	0.1	U 0.1	0.7	U 0.1	0.83	40.43
FS-KC-21-15-16.5 (N)	15-16.5	N	0	0	U 1	1.27	6.3	7.1	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	0.7031
New Rainbow Mine															
FS-NR-01-0-2.0(W)	0-2.0	W	28	71	M 99	0.74	7.7	7.3	0	U 0.1	0.6	0.3	U 0.1	0.86	-85.66
FS-NR-02-0-2.0(W)	0-2.0	W	9	105	M 114	0.77	7.5	7.6	0	U 0.1	0.1	0.2	U 0.1	0.32	-127.9
FS-NR-03-0-1.0(N)	0-1.0	N	0	123	M 123	0.47	7.7	7.5	0	U 0.1	U 0.1	U 0.1	U 0.1	0.12	U -149.1
FS-NR-03-1.0-7.0(W)	1.0-7.0	W	0	142	M 142	0.35	8.1	7.6	0	U 0.1	U 0.1	U 0.1	U 0.1	0.04	U -175.9
FS-NR-04-13.5-16.5(W)	13.5-16.5	W	0	157	M 157	0.43	8	is	is	U 0.1	U 0.1	U 0.1	U 0.1	0.06	is
FS-NR-04-23-23.5(N)	23-23.5	N	0	11	M 11	0.33	7.2	is	is	U 0.1	U 0.1	U 0.1	U 0.1	0.05	is
FS-NR-04-23.5-24.5(N)	23.5-24.5	N	0	4	M 4	0.29	7.2	6.9	0.3	U 0.1	U 0.1	U 0.1	U 0.1	0.02	-3.844
Weber Mine															
FS-WE-01-15-16.5(W)	15-16.5	W	12	-11	1	is	is	is	is	U 0.1	U 0.1	0.4	U 0.1	0.52	is

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Weber Mine															
FS-WE-01-40-41.5(W)	40-41.5	W	0	7	7	is	6.8	7.2	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-6.797
FS-WE-01-45-46.5(N)	45-46.5	N	0	50	50	0.65	8.4	7.4	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-60.55
FS-WE-02-2.5-4.0(W)	2.5-4.0	W	28	-8	M 20	1.97	6.6	7.2	0	U 0.1	0.2	0.7	U 0.1	0.9	13.086
FS-WE-02-9.0-10.5(W)	9.0-10.5	W	9	15	M 24	0.92	7	7.2	0	U 0.1	0.1	0.2	U 0.1	0.27	-15.35
FS-WE-03-15-16.5(W)	15-16.5	W	0	21	21	is	is	7.5	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-24.3
FS-WE-03-16.5-17(N)	16.5-17	N	0	21	21	is	is	7.5	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-24.3
FS-WE-04-0-8.0(W)	0-8.0	W	9	-9	UM 1	0.54	3.6	5.6	9.6	0.1	U 0.1	0.2	U 0.1	0.28	25.399
FS-WE-06-0-2 (D) D	0-2	D	0		8	0.18	5.5	6.4	3.9						
FS-WE-06-0-2(W)	0-2	W	0	12	12	0.08	5.5	6.4	3.9	U 0.1	U 0.1	U 0.1	U 0.1	0.09	-6.609
FS-WE-06-2-4(N)	2-4	N	0	5	5	0.13	5.4	6.8	1	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-3.047
FS-WE-09-0-6(W)	0-6	W	0	4	4	0.05	5.2	6.6	2.4	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-0.047
FS-WE-09-7(N)	7	N	0	0	U 1	0.08	4.8	5	14	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	18.203
FS-WE-10-0-3(W)	0-3	W	0	15	15	0.39	5.4	6.2	5.3	U 0.1	U 0.1	U 0.1	U 0.1	0.11	-7.828
FS-WE-10-3-6(N)	3-6	N	0	10	10	0.36	6.8	6.6	2.4	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-7.547
FS-WE-11-0-6(N)	0-6	N	0	5	5	0.14	6.2	6.7	1.8	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-2.047
FS-WE-13-0-5(W)	0-5	W	0	3	3	0.1	5.8	6.7	1.8	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	0.4531
FS-WE-13-5-6(N)	5-6	N	0	3	3	0.11	6	7	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-1.797
FS-WE-14-10-11.5(W)	10-11.5	W	6	15	21	is	7.5	7.2	0	U 0.1	0.1	0.1	U 0.1	0.23	-15.51

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

TABLE B3

Acid Base Account, pH, and Electrical Conductivity
Gold Creek Mine Investigation

Site	Depth (feet)	Type	Acid Potential (tons/1000 tons)	Acid/ Base Potential (tons/1000 tons)	Neutral-ization Potential (tons/1000 tons)	EC, Saturated Paste (mmhos/ cm)	pH, Saturated Paste (s.u.)	pH SMP Buffer (s.u.)	SMP Lime Requirement (tons/1000 tons)	Sulphur (%)					Total Lime Requirement (tons/1000 tons)
										HCL	HNO_3	Residual	Water Extractable	Total	
Weber Mine															
FS-WE-14-50-51.5(N)	50-51.5	N	0	5	5	1.37	7.5	7.2	0	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	-4.297
FS-WE-15-0-2.5(W)	0-2.5	W	0	5	5	0.1	6.2	5.7	8.9	U 0.1	U 0.1	U 0.1	U 0.1	U 0.05	6.8281

Notes:

mmhos/cm - millimhos per centimeter
s.u. - standard units
EC - Electrical Conductivity
SMP - Shoemacher, McLean and Pratt single buffer method.

W - Waste Rock
T - Tailings
N - Native
M - Mixed

HCL - hydrochloric acid
HNO3 - nitric acid.

M - Matrix spike recoveries exceed acceptable limits
J - The associated value is an estimated quantity
F - Field duplicate results exceed acceptable limits - PQL determination
F% - Field duplicate results exceed acceptable limits - relative % difference determination
U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the Practical Quantitation Limit (PQL)
> - Parameter not detected at the laboratory PQL
is - Insufficient sample was available to perform the test

D - Duplicate sample

Total lime requirement calculated according to the following formula: (((HNO3 + Residual) x 31.25) + (HCL x 23.44) + SMP Lime Requirement - Neutralization Potential) x 1.25

Table B4

Summary of Physical Test Properties

Mine Waste Characterization _Repository Investigation

Gold Creek Drainage, Lakeview Mining District, IPNF

Sample Site	Depth	Type	Atterberg Limits		Percent Passing Sieve Analysis															Percent Passing Hydrometer Analysis				Sand %	Silt %	Clay %
			Liquid Limit	Plasticity Index	3 1/2"	3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	No. 4 Sieve	No.10 Sieve	No. 20 Sieve	No. 40 Sieve	No. 80 Sieve	No.100 Sieve	No.200 Sieve	0.037 mm	0.019 mm	0.009 mm	0.005 mm			
Chloride Gulch																										
FS-CG-03	0.25'-0.75'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73	20	7.5
FS-CG-04	0.25'-1.25'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60	30	10
FS-CG-10	0.1'-0.75'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70	23	7.5
FS-CG-15	0.1'-1.4'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55	33	13
Conjecture Mine																										
FS-CM-09-0-2	0'-2.0'	W	--	--	--	--	100	99	95	89	79	70	50	35	23	17	11	100	7.9	--	--	--	--	--	--	--
FS-CM-09-0-2	0'-2.0'	W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	75	15	10
FS-CM-20-7"-4'	7"-4'	W	--	--	--	--	--	100	85	77	61	50	27	12	6	4	3	3	2.4	1.2	1.1	0.9	0.6	--	--	--
FS-CM-23-3.5	3.5'	W	--	--	--	100	97	92	82	72	61	52	37	27	19	15	11	10	8.2	5.1	4.3	2.9	2.1	--	--	--
Idaho Lakeview Mine																										
FS-IL-05-0-2.0	0'-2.0'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78	10	13
FS-IL-06-4.8-8.0	4.8'-8.0'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	33	10
FS-IL-07-0-2.0	0'-2.0'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	23	20
FS-IL-09-1.0-3.0	1.0'-3.0'	T	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70	25	5
Keep Cool Mine																										
FS-KC-08-0-3	0'-3'	W	--	--	--	100	97	96	92	88	80	74	59	46	36	29	22	21	17.6	13	10.7	8.8	5.6	--	--	--
FS-KC-09-0-5	0'-5'	W	--	--	--	100	96	95	90	85	75	68	51	38	28	23	18	17	15.4	10.9	9.8	7.9	6	--	--	--
FS-KC-12-3.5	3.5'	W	--	--	--	100	98	89	84	79	72	66	53	39	28	22	17	16	14	10	8.9	7.3	5.8	--	--	--
Weber Mine																										
FS-WE-05-0-3.5	0'-3.5'	W	--	--	--	--	--	100	97	92	77	67	34	19	12	10	9	8	7.3	6.7	5.7	4.3	3.5	--	--	--
FS-WE-06-0-2	0'-2'	W	35	6	--	--	100	98	96	92	86	81	70	56	48	43	39	38	34.5	23.5	19.6	12.9	11.2	--	--	--
FS-WE-09-0-6	0'-6'	W	30	3	--	--	--	100	92	84	72	64	47	33	24	20	17	17	14.7	13.5	12.2	9.9	7.3	--	--	--
FS-WE-13-8-9	8'-9'	N	37	6	--	--	--	--	--	--	--	100	98	96	91	88	84	83	78.4	33.5	26.8	23	21.1	--	--	--

Notes:

CM - Conjecture Mine
IL - Idaho Lake View Mine
NR - New Rainbow Mine
CG - Chloride Gulch Mine
WE - Weber Mine

W - Waste Rock
T - Tailings
N - Native
M - Mixed

-- Data Not Collected

Table B4

Summary of Physical Test Properties

Mine Waste Characterization _Repository Investigation

Gold Creek Drainage, Lakeview Mining District, IPNF

Sample Site	Depth	Type	Atterberg Limits		Percent Passing Sieve Analysis															Percent Passing Hydrometer Analysis				Sand %	Silt %	Clay %
			Liquid Limit	Plasticity Index	3 1/2"	3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	No. 4 Sieve	No.10 Sieve	No. 20 Sieve	No. 40 Sieve	No. 80 Sieve	No.100 Sieve	No.200 Sieve	0.037 mm	0.019 mm	0.009 mm	0.005 mm			
Weber Mine																										
FS-WE-21-31-46	31"-46"	N	--	--	--	--	100	96	87	76	63	53	38	32	26	22	19	19	16.4	10.8	8	4.5	3.2	--	--	--
FS-WE-22-13-26	13"-26"	N	--	--	100	95	76	70	58	48	37	31	24	18	15	14	12	11	10	7.4	6.5	4.9	3.6	--	--	--
FS-WE-22-26-110	26"-110"	N	--	--	100	93	90	81	69	61	48	39	22	14	9	7	5	5	3.9	3.2	2.8	2.4	2.2	--	--	--
FS-WE-24-16-24	16"-24"	N	--	--	100	95	84	79	69	58	48	42	32	26	23	21	19	18	16.5	12.8	9.7	7	4.2	--	--	--

Notes:

CM - Conjecture Mine
IL - Idaho Lake View Mine
NR - New Rainbow Mine
CG - Chloride Gulch Mine
WE - Weber Mine

W - Waste Rock
T - Tailings
N - Native
M - Mixed

-- Data Not Collected

TABLE B5

TOTAL METALS MEASURED WITH XRF ANALYZER

CONJECTURE MINE SITE, GOLD CREEK DRAINAGE

June 13, 2001

		Iron			Copper			Zinc			Arsenic			Lead		
		XRF	LAB	RPD	XRF	LAB	RPD	XRF	LAB	RPD	XRF	LAB	RPD	XRF	LAB	RPD
Sample Identification	Comments/Color	(%)	(%)	(%)	(ppm)	(ppm)	(%)	(ppm)	(ppm)	(%)	(ppm)	(ppm)	(%)	(ppm)	(ppm)	(%)
FS-CM-14-5-6.5		8.20			257			432			671			284		
FS-CM-14-10-11.5		6.18			371			798			1,104			9,902		
FS-CM-14-13-14.5	Tan	4.05			457			1,207			1,084			3,542		
FS-CM-14-13-14.5	Brown	7.93			465			833			2,163			93		
FS-CM-14-15-16.5		5.16			382			436			1,309			152		
FS-CM-14-17-18.5		2.85			202			290			150			36		
FS-CM-15-0.5-2.5		0.97	1.00	3%	19	20	5%	362	170	-72%	45	80	56%	53	70	28%
FS-CM-15-2.5		2.66	3.04	13%	131	100	-27%	321	200	-46%	137	240	55%	312	530	52%
FS-CM-15-7.0		2.46			192			770			113			108		
FS-CM-16-0-1.5		3.59			85			706			119			281		
FS-CM-16-1.5-3.0		2.97			431			472			67			121		
FS-CM-16-3.5		2.53			7			522			25			52		
FS-CM-17-0.5		1.42			49			152			18			34		
FS-CM-18-1-4		2.37			0			461			56			67		
FS-CM-20-0-0.6		3.74			201			1,929			244			574		
FS-CM-20-0.6-4	Gravelly	2.73			269			442			240			55		
FS-CM-20-6.8		2.02			0			278			58			24		
FS-CM-21-5-6.5	Small rocky sample	1.18			248			185			45			0		
FS-CM-21-10-11.5		1.62			89			350			25			49		
FS-CM-21-20-21.5		3.08	3.55	14%	384	150	-88%	2,246	2,200	-2%	234	450	63%	186	220	17%
FS-CM-21-20-21.5	Field Replicate	3.72			460			2,604			251			486		
FS-CM-21-21.5-23		2.70	2.63	-3%	269	80	-108%	562	690	20%	138	230	50%	52	110	72%
FS-CM-21-23-24.5		3.01			340			1,556			121			164		
FS-CM-22-0-0.5		3.13			73			1,036			163			303		
FS-CM-22-0.5-0.9		2.68			158			1,398			423			1,443		
FS-CM-22-2.3		2.57			172			733			51			71		
FS-CM-22-3.1		2.37			256			717			58			79		
FS-CM-23-0-3.2		2.28			189			813			73			152		
FS-CM-23-3.2-4		3.74			45			1,267			218			211		
FS-CM-23-12		1.60			29			807			97			0		
FS-CM-24-0-2		6.82			276			671			616			664		
FS-CM-25-0-2		6.60			581			1,028			506			1,839		
FS-CM-26-0-2		11.00			715			672			692			6,287		
FS-XRF-1(HS)	Orange side rock	14.95			291			439			172			728		
FS-XRF-1(HS)	Precipitate on rock	10.90			250			792			119			303		
FS-XRF-1(HS)	Orange soil	8.98	6.96	-25%	627	100	-145%	931	590	-45%	295	670	78%	1,802	2,050	13%
FS-XRF-2(HS)		7.22			353			592			418			1,408		
Dike by XRF-2	Dark gray	4.80			307			482			69			44		
FS-XRF-3(HS)	Yellow cake, Run #1	8.07			684			2,829			848			20,861		
FS-XRF-3(HS)	Run #2	6.85			938			3,533			1,043			40,634		

TOTAL METALS MEASURED WITH XRF ANALYZER

CONJECTURE MINE SITE, GOLD CREEK DRAINAGE

June 13, 2001

		Iron			Copper			Zinc			Arsenic			Lead		
Sample Identification	Comments/Color	XRF (%)	LAB (%)	RPD (%)	XRF (ppm)	LAB (ppm)	RPD (%)	XRF (ppm)	LAB (ppm)	RPD (%)	XRF (ppm)	LAB (ppm)	RPD (%)	XRF (ppm)	LAB (ppm)	RPD (%)
FS-XRF-3(HS)	Run #3	6.33			816			3,030			1,041			26,462		
FS-XRF-5	Native soil on cut bank,	2.30			73			373			34			116		
FS-XRF-5 Native	Red brown	2.40			199			391			43			73		
FS-XRF-6 HS	At surface	11.68			317			219			119			265		
FS-XRF-6	2' below grade	1.36	0.78	-54%	299	20	-175%	155	40	-118%	33	6	-138%	66	20	-107%
FS-XRF-6	9' below grade, Run #1	3.32	3.61	8%	132	50	-90%	503	190	-90%	80	110	32%	111	80	-32%
FS-XRF-6	9' below grade, Run #2	3.46			0			377			71			35		
FS-XRF-6	9' below grade, Run #3	3.15			128			296			48			100		
FS-XRF-7	Red/Orange, waste	11.16			180			456			430			923		
FS-XRF-7	Red/Orange, waste	9.42			324			361			490			1,397		
FS-XRF-7	Red/Orange, waste	9.15			486			286			504			1,448		
FS-XRF-8	Gray, waste piles south	3.30			444			2,140			250			937		
FS-XRF-8	Gray, waste piles south	3.64			435			2,195			272			765		
FS-XRF-8	Gray, waste piles south	3.68			248			2,802			218			1,412		
FS-B1-14@14'	Gray	2.20			0			424			22			40		
FS-B2-12@12'	Orange Stain	4.41			161			301			109			156		
FS-B3-10@10'	Orange	8.54			179			309			125			655		
FS-B4-8@8'	Orange	6.76			223			401			317			735		
FS-B5-10@10'	Orange Wedge	5.33			338			352			88			171		
FS-B6-11@11'		5.69			228			347			116			215		
FS-B7-13@13'	Brown, Wet Orange at	1.98			23			385			45			16		
FS-B-1A	Gray, green	3.22			217			325			42			157		
FS-B1B-5	Tan	4.79			277			441			77			42		
	RPD N			7			7			7			7			7
	Count Negative			3			6			6			1			2
	% Negative RPD			43%			86%			86%			14%			29%
	Average RPD			-6%			-90%			-50%			28%			6%
	Minimum RPD			-54%			-175%			-118%			-138%			-107%
	Maximum RPD			14%			5%			20%			78%			72%

Notes:

XRF -- X-Ray Fluorescence Analyzer

RPD -- Relative Percent Difference

Table B6
Cross Reference of Lab and Sample Numbers
Gold Creek Mine Investigation

Site	Sample Date	Laboratory Report Number
Chloride Gulch Mine		
FS-CG-01(T)	11/8/00	2000110195-1
FS-CG-03(T)	11/8/00	2000110195-2
FS-CG-04(T)	11/8/00	2000110195-3
FS-CG-06(T)	11/8/00	2000110195-4
FS-CG-08(T)	11/8/00	2000110195-5
FS-CG-10(T)	11/8/00	2000110195-6
FS-CG-12(T)	11/8/00	2000110195-7
FS-CG-13(T)	11/8/00	2000110195-8
FS-CG-14(T)	11/8/00	2000110195-9
FS-CG-15(T)	11/8/00	2000110195-10
FS-CG-16-0-2(T)	6/18/01	2001060222-18
FS-CG-21-0-2(T)	6/18/01	2001060222-17
FS-CG-21-0-2(D)	6/18/01	2001060224-14
FS-CG-23-0-2(N)	6/18/01	2001060222-16
Conjecture Mine		
FS-CM-01-0-6.8(W)	11/3/00	2000110192-1
FS-CM-01-6.8-9(N)	11/3/00	2000110192-2
FS-CM-02-10-12,20-22(W)	11/2/00	2000110192-3
FS-CM-02-34.5-35(N)	11/2/00	2000110192-5
FS-CM-02-34-34.5(N)	11/2/00	2000110192-4
FS-CM-02-35-37(N)	11/2/00	2000110192-6
FS-CM-03-14.5-16(W)	11/3/00	2000110192-8
FS-CM-03-18-19.5(N)	11/3/00	2000110192-9
FS-CM-03-20-21(N)	11/3/00	2000110192-13
FS-CM-03-20-21,22.5-24(N)	11/3/00	2000110192-10
FS-CM-03-4.5-6,9.5-11(W)	11/3/00	2000110192-7
FS-CM-04-0.5-1.2(W)	11/3/00	2000110192-12
FS-CM-04-0-0.5(N)	11/3/00	2000110192-11
FS-CM-04-1.2-5.5(W)	11/2/00	2000110193-1
FS-CM-04-5.5-6.5(W)	11/2/00	2000110193-2
FS-CM-05-0-0.5(N)	11/2/00	2000110193-3
FS-CM-05-3.4(W)	11/2/00	2000110193-4
FS-CM-06-0-1.3(W)	11/3/00	2000110193-5
FS-CM-06-0-1.3(D)	11/2/00	2000110191-24,2000110193-21
FS-CM-07-0-2(W)	11/3/00	2000110193-6
FS-CM-07-0-2(D)	11/2/00	2000110193-20
FS-CM-08-0.8-1.0(W)	11/3/00	2000110193-7
FS-CM-09-0-2(W)	1/2/01	2001010094-1
FS-CM-09-14.5-16(W)	11/3/00	2000110193-10

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment
D - Duplicate sample

Table B6
Cross Reference of Lab and Sample Numbers
Gold Creek Mine Investigation

Site	Sample Date	Laboratory Report Number
Conjecture Mine		
FS-CM-09-19.5-21(N)	11/3/00	2000110193-11
FS-CM-09-4.5-6(W)	11/3/00	2000110193-8
FS-CM-09-9.5-11(W)	11/3/00	2000110193-9
FS-CM-101-0-2.0(SE)	11/2/00	2000110193-19
FS-CM-10-0-7(N)	11/2/00	2000110193-12
FS-CM-11-1.4-8.0(W)	11/2/00	2000110193-13
FS-CM-12-0-2.4(W)	11/3/00	2000110193-14
FS-CM-12-2.4-5(N)	11/3/00	2000110193-15
FS-CM-13-0-1.5(W)	11/3/00	2000110193-16
FS-CM-13-1.5-5(N)	11/3/00	2000110193-17
FS-CM-13-5.0-7.4(N)	11/3/00	2000110193-18
FS-CM-15-0.5-2.5(W)	6/13/01	2001060221-4
FS-CM-15-2.5-4(N)	6/13/01	2001060221-5
FS-CM-21-20-21.5(W)	6/13/01	2001060221-6
FS-CM-21-21.5-23(N)	6/13/01	2001060221-7
FS-CM-29-0-2(W)	6/13/01	2001060221-8
FS-CM-29-2-3(N)	6/13/01	2001060221-9
FS-CM-29-0-2 (D)	6/13/01	2001060224-15
FS-CM-XRF-HS-1-0-2(W)	6/13/01	2001060221-1
FS-CM-XRF-HS-6-2(W)	6/13/01	2001060221-2
FS-CM-XRF-HS-6-9(W)	6/13/01	2001060221-3
Idaho Lakeview Mine		
FS-IL-01-4.5-6.0(W)	11/6/00	2000110190-1
FS-IL-01-9.5-11(W)	11/6/00	2000110190-2
FS-IL-02-11-16(W)	11/7/00	2000110190-3
FS-IL-02-16-21(W)	11/7/00	2000110190-4
FS-IL-02-21-22(N)	11/7/00	2000110190-5
FS-IL-02-22-23(N)	11/7/00	2000110190-6
FS-IL-03-29.5-31(W)	11/7/00	2000110190-8
FS-IL-03-32-33(N)	11/7/00	2000110190-9
FS-IL-03-33-34(N)	11/7/00	2000110190-10
FS-IL-03-9.5-11(W)	11/7/00	2000110190-7
FS-IL-04-29.5-41(W)	11/6/00	2000110190-11
FS-IL-04-42-43(N)	11/8/00	2000110191-1
FS-IL-04-29.5-41(D)	11/2/00	2000110191-17
FS-IL-05-0-2.0-(T)	11/7/00	2000110191-2
FS-IL-06-0-1.0(N)	11/6/00	2000110191-3
FS-IL-06-1.0-4.8(T)	11/6/00	2000110191-4
FS-IL-06-4.8-8.0(T)	11/6/00	2000110191-5

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment
D - Duplicate sample

Table B6
Cross Reference of Lab and Sample Numbers
Gold Creek Mine Investigation

Site	Sample Date	Laboratory Report Number
Idaho Lakeview Mine		
FS-IL-07-0-2.0(T)	11/7/00	2000110191-7
FS-IL-08-5.4-8.0(W)	11/6/00	2000110191-6
FS-IL-09-1.0-3.0(T)	11/7/00	2000110191-8
FS-IL-09-6.0-10(W)	11/6/00	2000110191-9
FS-IL-12-3.5-7.0(N)	11/7/00	2000110191-10
FS-IL-12-3.5-7.0(D)	11/2/00	2000110191-18
FS-IL-13-13.5-14.5(N)	11/7/00	2000110191-13
FS-IL-13-14.5-15.5(N)	11/7/00	2000110191-14
FS-IL-13-3.0-8.5(W)	11/7/00	2000110191-11
FS-IL-13-8.5-13.5(W)	11/7/00	2000110191-12
FS-IL-14-1.7-2.6(W)	11/7/00	2000110191-15
FS-IL-14-2.6-3.3(N)	11/7/00	2000110191-16
FS-IL-18-0-1.3(T)	6/18/01	2001060222-10
FS-IL-18-1.3-2.5(N)	6/18/01	2001060222-11
Keep Cool Mine		
FS-KCG-01-0.2(N)	6/21/01	2001060222-12
FS-KC-01-0-4(W)	6/19/01	2001060223-1
FS-KC-01-9(N)	6/19/01	2001060223-2
FS-KC-02-0-1.9(W)	6/20/01	2001060223-3
FS-KCG-02-0-2(N)	6/21/01	2001060222-13
FS-KC-02-1.9-3.5(W)	6/20/01	2001060223-4
FS-KCG-03-0-2(N)	6/21/01	2001060222-14
FS-KC-03-0-4(W)	6/20/01	2001060223-5
FS-KCG-04-0-2(N)	6/21/01	2001060222-15
FS-KC-04-0-2.5(W)	6/20/01	2001060223-6
FS-KC-05-0-3.6(W)	6/20/01	2001060223-7
FS-KC-06-0-2.5(W)	6/20/01	2001060223-8
FS-KC-06-4.7-6 (N)	6/20/01	2001060224-1
FS-KC-08-0-3 (W)	6/20/01	2001060224-2
FS-KC-08-3-7 (N)	6/20/01	2001060224-3
FS-KC-09-0-5 (W)	6/20/01	2001060224-4
FS-KC-10-2.3-4 (N)	6/20/01	2001060224-5
FS-KC-11-0-5 (W)	6/20/01	2001060224-6
FS-KC-12-0-3.8 (W)	6/20/01	2001060224-7
FS-KC-12-3.8-6 (N)	6/20/01	2001060224-8
FS-KC-20-10-11.5 (W)	6/20/01	2001060224-9
FS-KC-20-15-16 (N)	6/20/01	2001060224-10
FS-KC-21-10-11.5 (W)	6/20/01	2001060224-11
FS-KC-21-15-16.5 (N)	6/20/01	2001060224-12

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment
D - Duplicate sample

Table B6
Cross Reference of Lab and Sample Numbers
Gold Creek Mine Investigation

Site	Sample Date	Laboratory Report Number
New Rainbow Mine		
FS-NR-01-0-2.0(W)	11/3/00	2000110194-1
FS-NR-02-0-2.0(W)	11/3/00	2000110194-2
FS-NR-03-0-1.0(N)	11/3/00	2000110194-3
FS-NR-03-1.0-7.0(W)	11/3/00	2000110194-4
FS-NR-04-13.5-16.5(W)	11/8/00	2000110194-5
FS-NR-04-23.5-24.5(N)	11/8/00	2000110194-7
FS-NR-04-23-23.5(N)	11/8/00	2000110194-6
Weber Mine		
FS-WE-COREHOLE 21-30	6/18/01	276830
FS-WE-COREHOLE 31-40	6/18/01	276831
FS-WE-01-15-16.5(W)	6/13/01	2001060221-10
FS-WE-COREHOLE-1-20-21	6/14/01	2001070272-2
FS-WE-01-40-41.5(W)	6/14/01	2001060221-11
FS-WE-01-45-46.5(N)	6/14/01	2001060221-12
FS-WE-02-2.5-4.0(W)	11/9/00	2000110194-8
FS-WE-02-9.0-10.5(W)	11/9/00	2000110194-9
FS-WE-03-15-16.5(W)	6/14/01	2001060221-13
FS-WE-03-16.5-17(N)	6/14/01	2001060221-14
FS-WE-04-0-8.0(W)	11/9/00	2000110194-10
FS-WE-06-0-2(W)	6/14/01	2001060221-15
FS-WE-06-2-4(N)	6/14/01	2001060221-16
FS-WE-06-0-2 (D)	6/14/01	2001060224-13
FS-WE-09-0-6(W)	6/14/01	2001060221-17
FS-WE-09-7(N)	6/14/01	2001060222-1
FS-WE-10-0-3(W)	6/14/01	2001060222-2
FS-WE-10-3-6(N)	6/14/01	2001060222-3
FS-WE-11-0-6(N)	6/14/01	2001060222-4
FS-WE-13-0-5(W)	6/14/01	2001060222-5
FS-WE-13-5-6	6/14/01	2001070272-1
FS-WE-13-5-6(N)	6/14/01	2001060222-6
FS-WE-14-10-11.5(W)	6/14/01	2001060222-7
FS-WE-14-50-51.5(N)	6/14/01	2001060222-8
FS-WE-15-0-2.5(W)	6/15/01	2001060222-9
FS-WE-21-31-46 (N)	6/19/01	2001060261-2
FS-WE-21-5.5-18.5 (N)	6/19/01	2001060261-1
FS-WE-22-0-13 (N)	6/19/01	2001060261-3
FS-WE-22-13-26 (N)	6/19/01	2001060261-4
FS-WE-24-16-24 (N)	6/19/01	2001060261-6
FS-WE-24-2-16-(N)	6/19/01	2001060261-5

Notes:

W - Waste Rock
T - Tailings
N - Native
SE - Sediment
D - Duplicate sample

Appendix C

Borehole and Test Pit Logs



PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: NW side of North waste dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-01

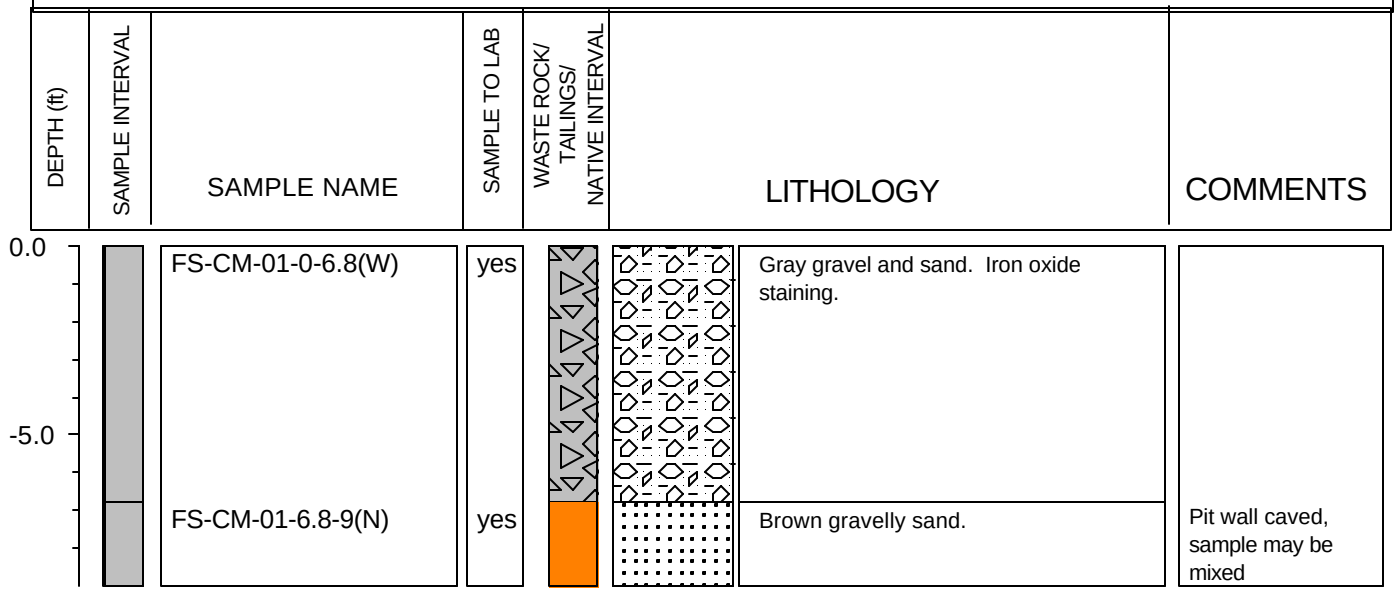
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 9.0'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-01

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: NE portion of north waste rock dump

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-CM-02

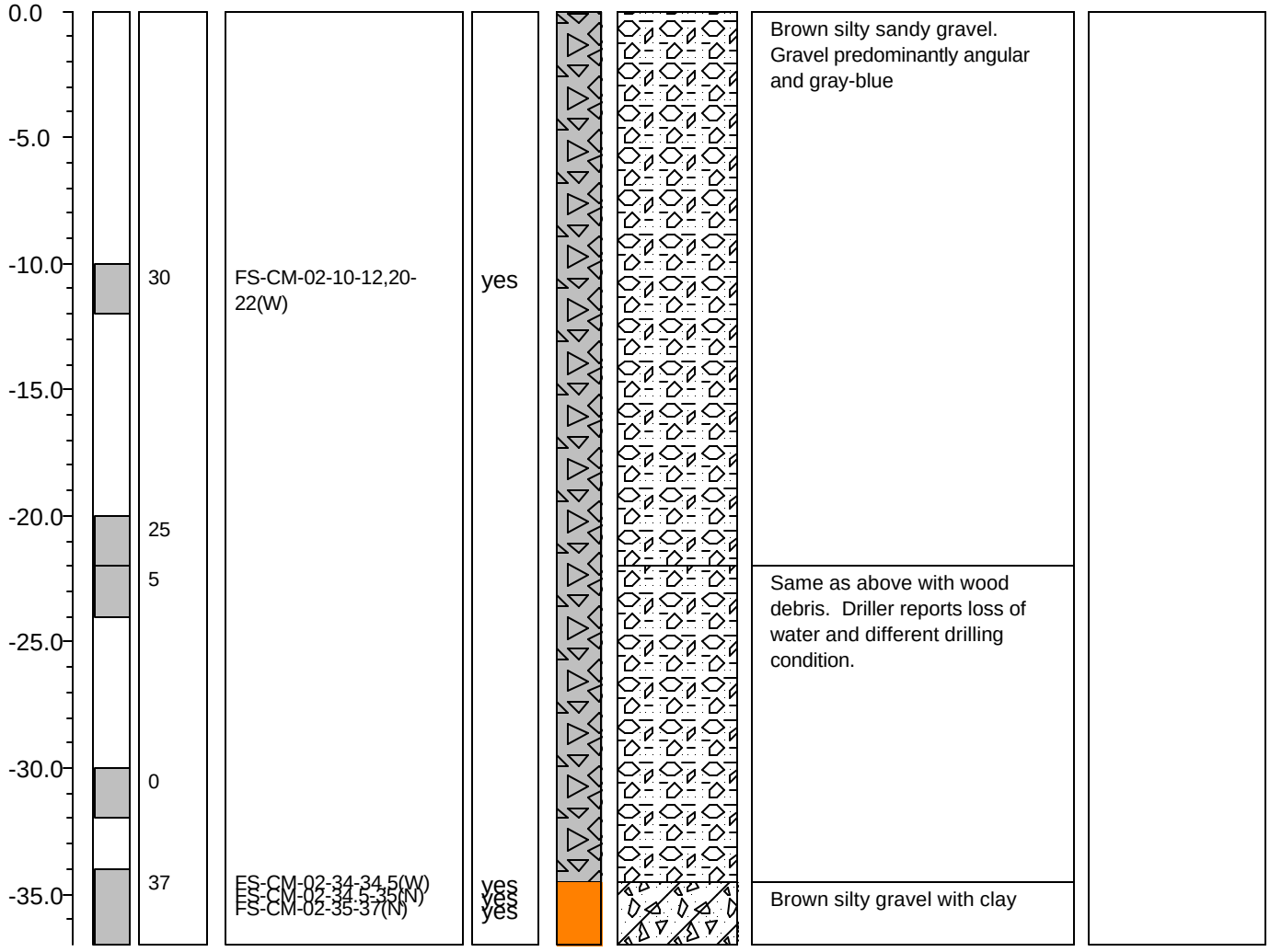
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 37'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-CM-02

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 50' NW of concrete structure, N. waste dump

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-CM-03

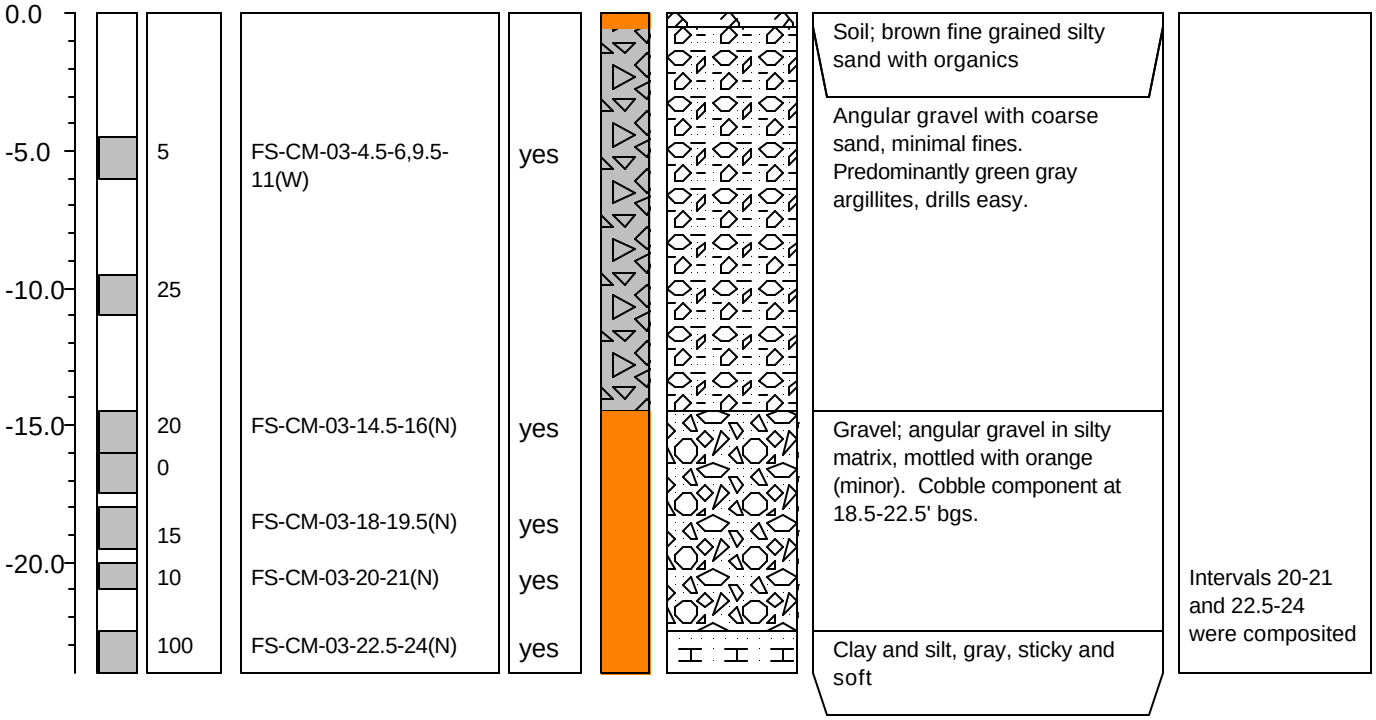
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 24'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-CM-03

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: West side lower waste dump, 20' from hillside

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-04

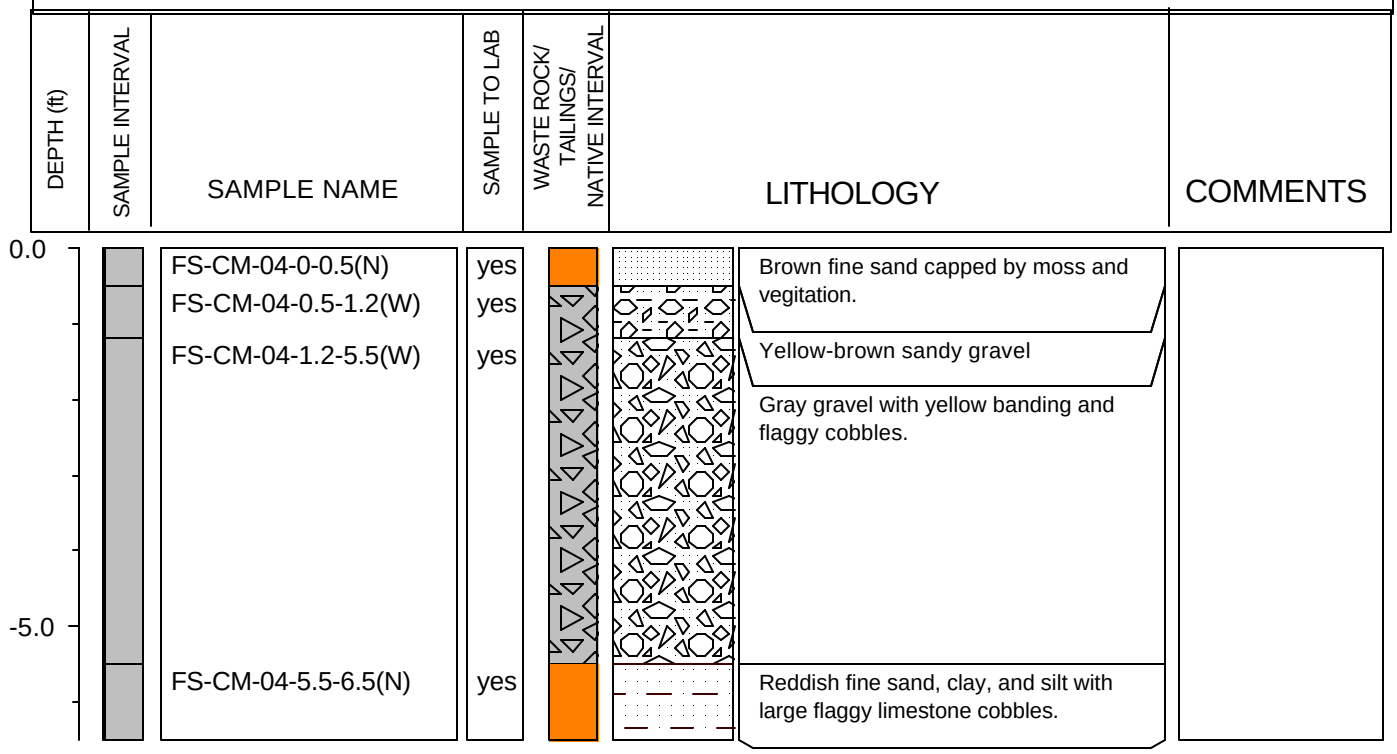
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/2/00

COMPLETED: 11/2/00

TOTAL DEPTH (bgs): 6.5'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-04

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Center of valley, South of buildings

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-05

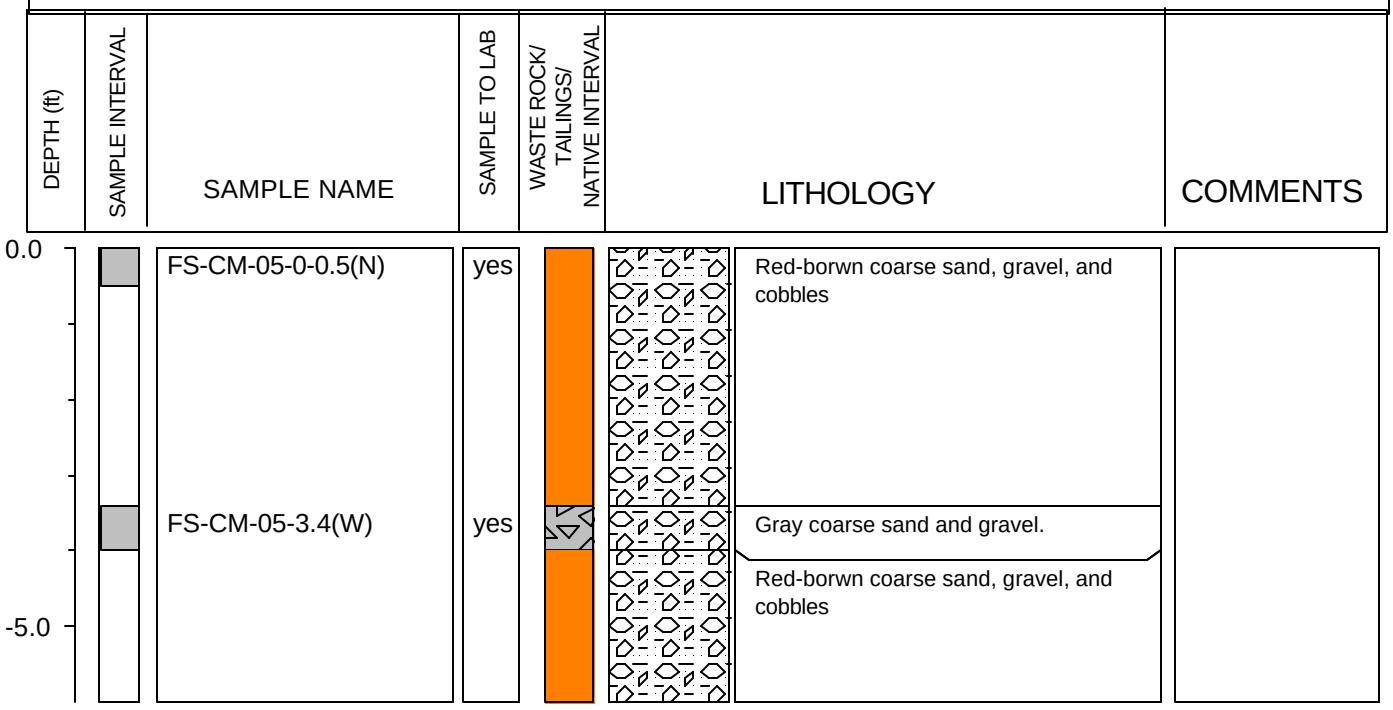
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/2/00

COMPLETED: 11/2/00

TOTAL DEPTH (bgs): 6.0'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-05

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: SW corner of south dump

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-CM-09

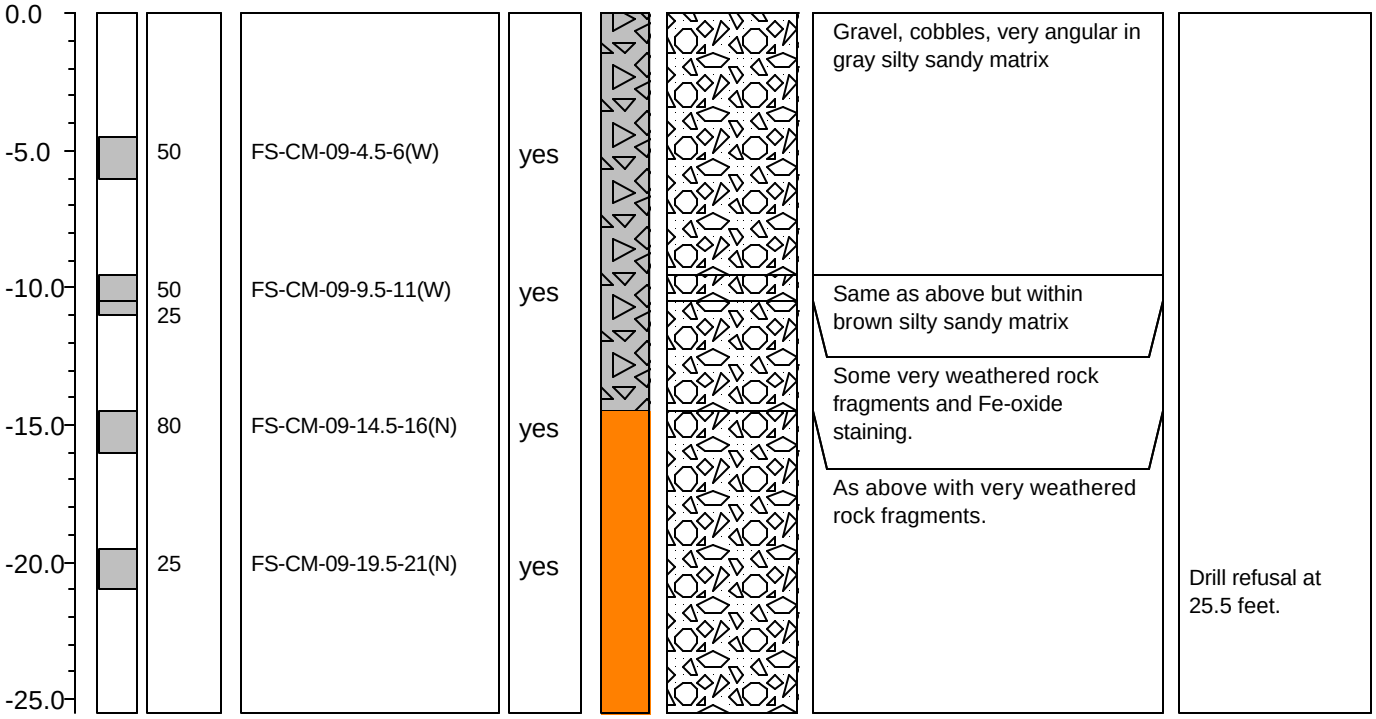
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 25.5'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-CM-09

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Ease side upper waste dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-10

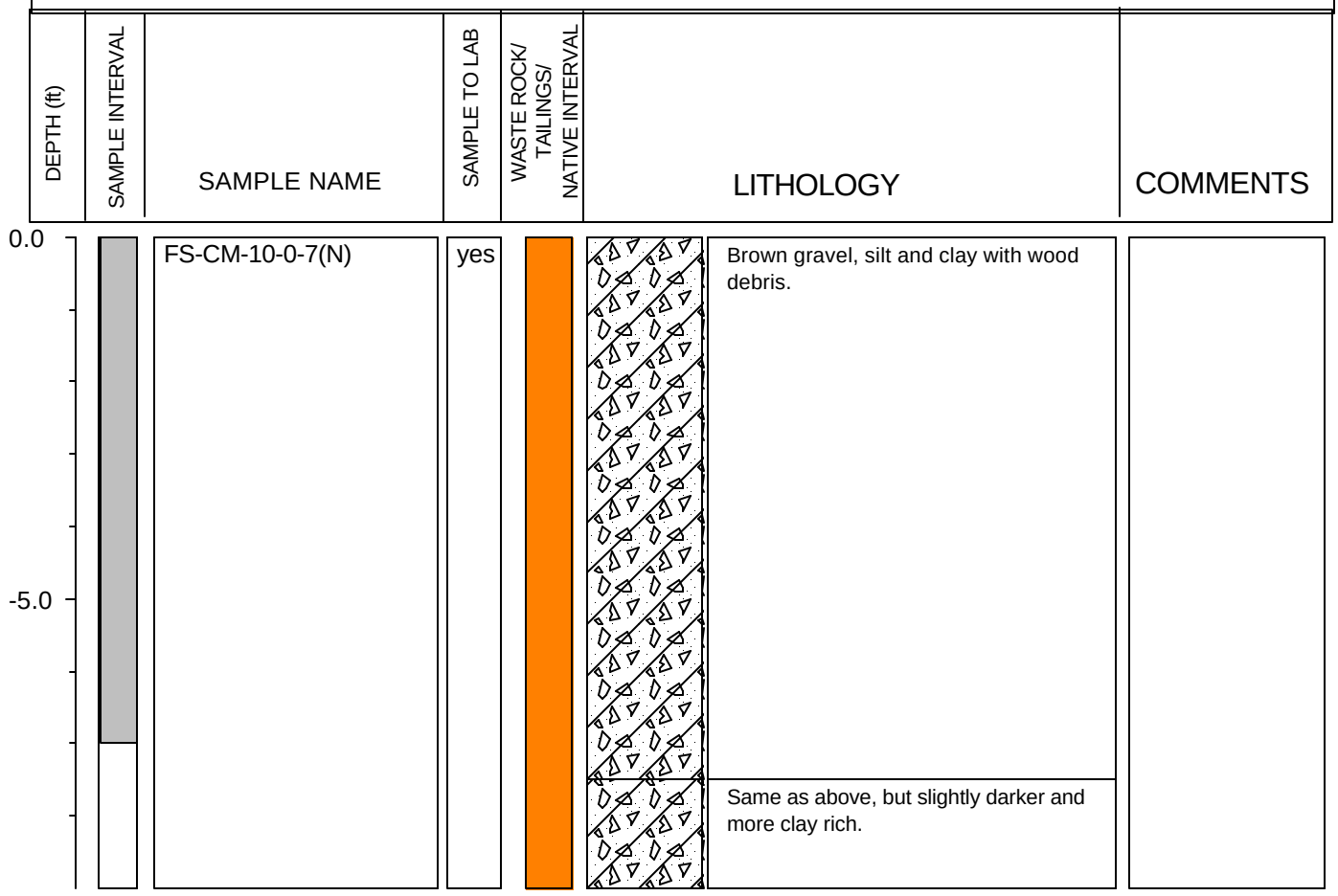
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/2/00

COMPLETED: 11/2/00

TOTAL DEPTH (bgs): 9.0'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-10

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 22'S of instrument position, center of valley

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-11

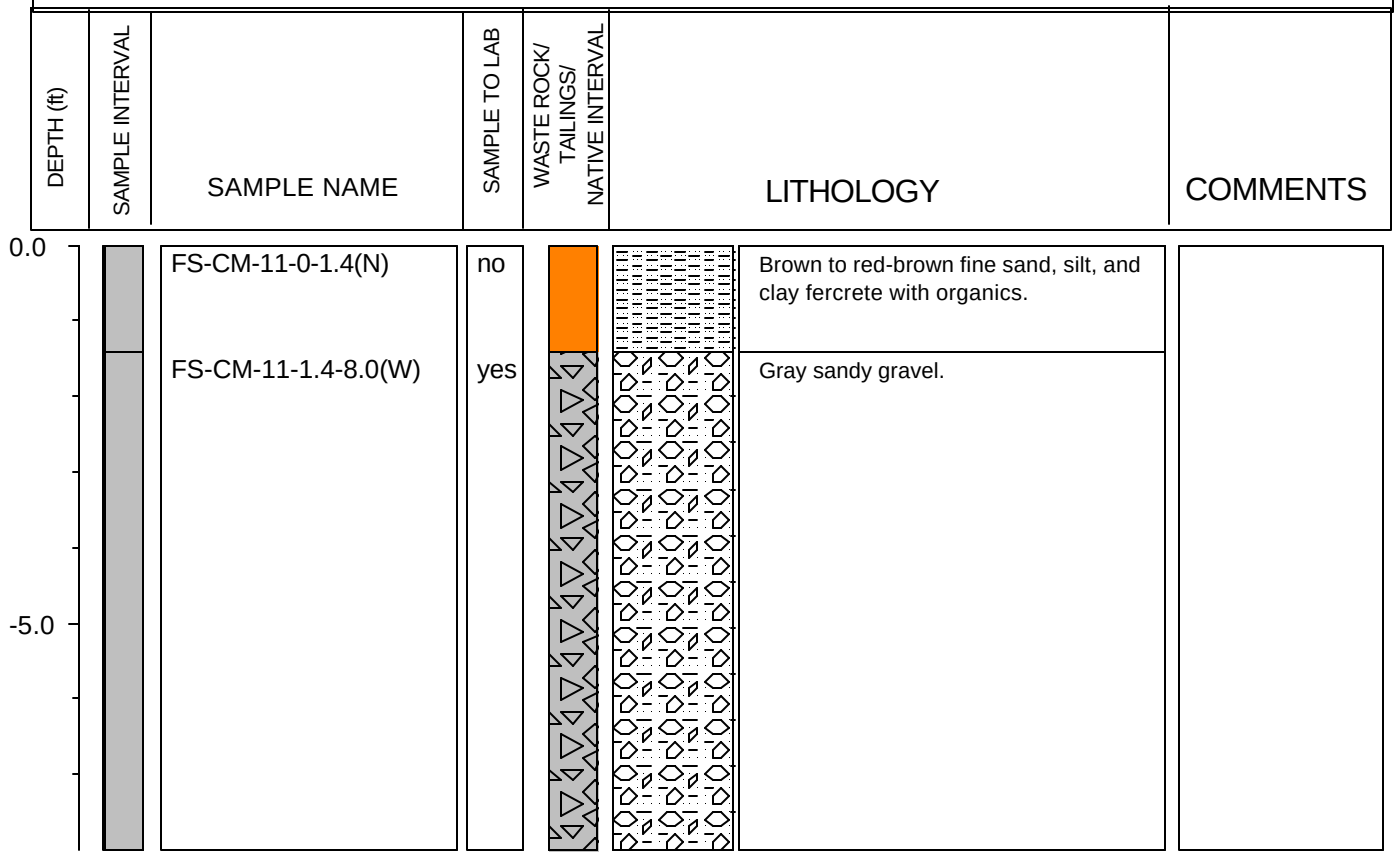
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/2/00

COMPLETED: 11/2/00

TOTAL DEPTH (bgs): 8.0'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-11

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 6' West of 'stump', south side of site

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-12

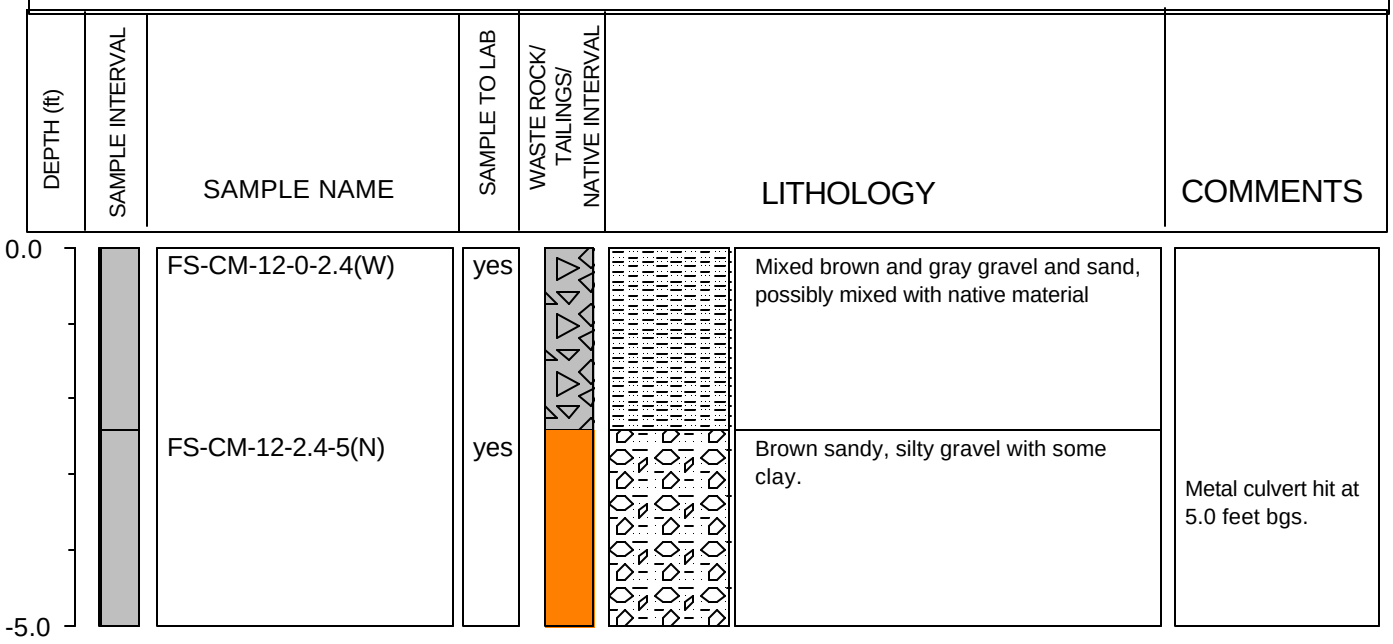
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 5.0'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-12

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 37' S of 'stump' between creek and hill

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-13

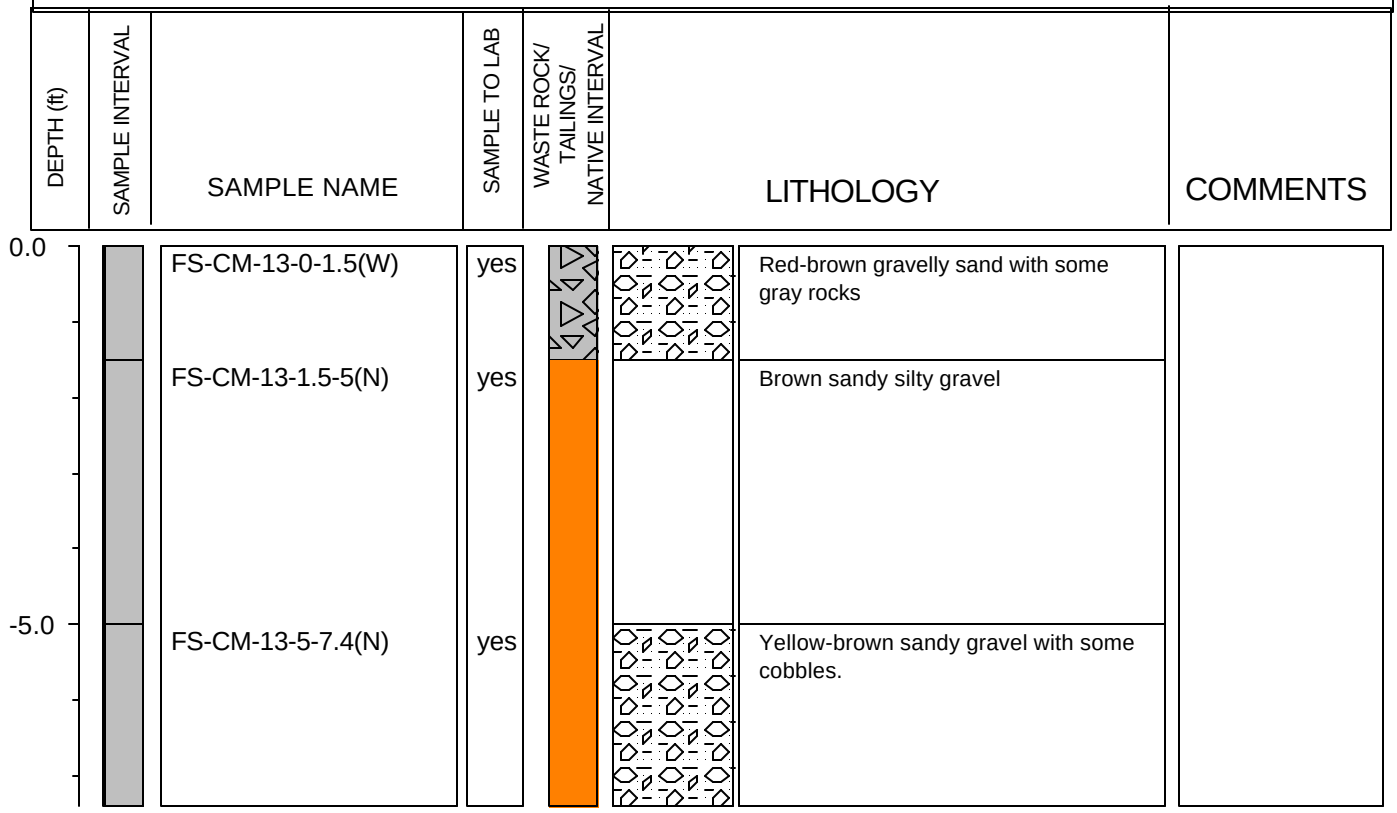
TOWNSHIP RANGE SECTION: T53W R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 7.4'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-13

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: South dump near FS-CM-09

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-CM-14

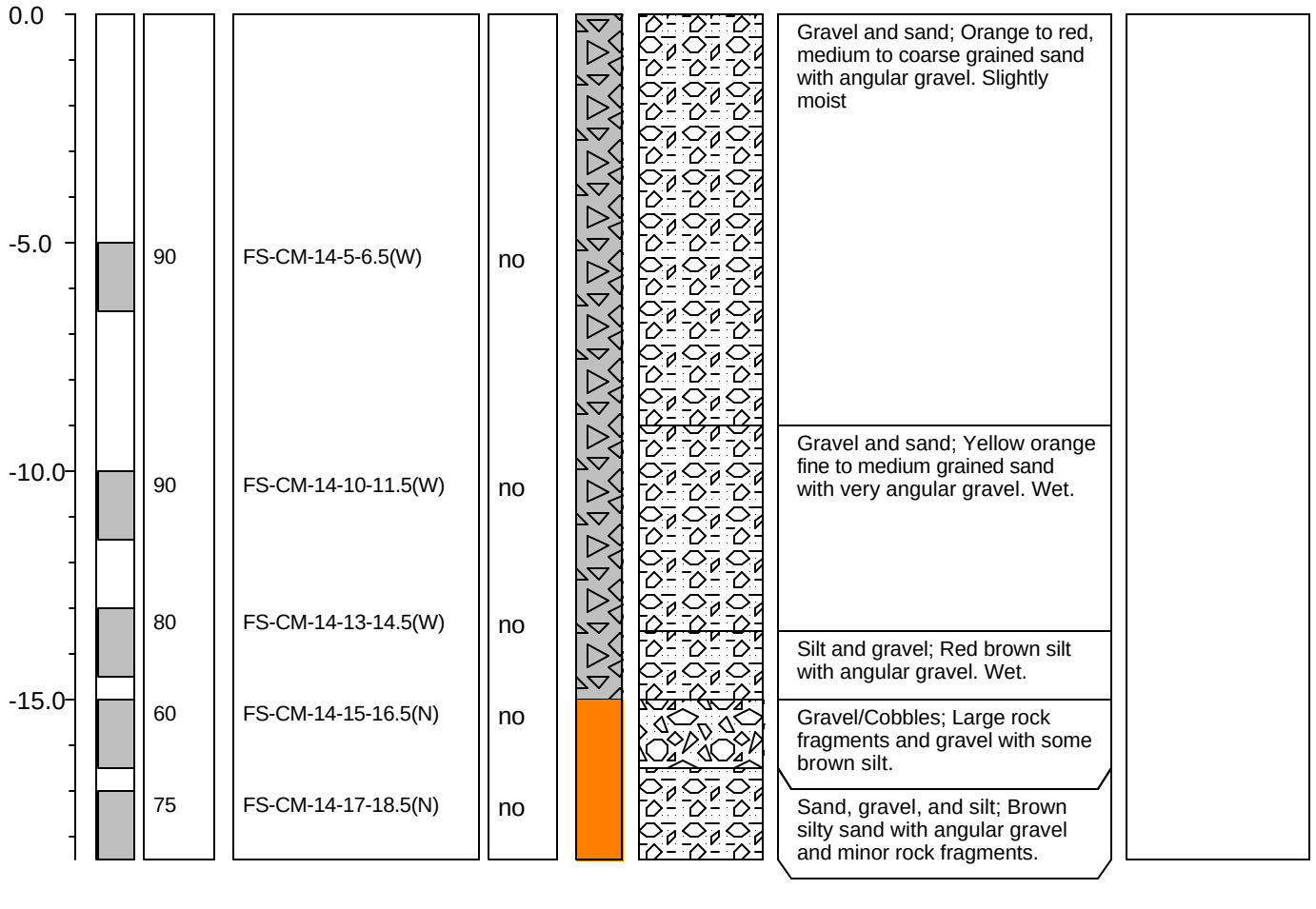
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater encountered at 10'

DATE: HOLE STARTED: 6/12/01

COMPLETED: 6/12/01

TOTAL DEPTH (bgs): 18.5'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-CM-14

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: About 101 South of CM-08

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-15

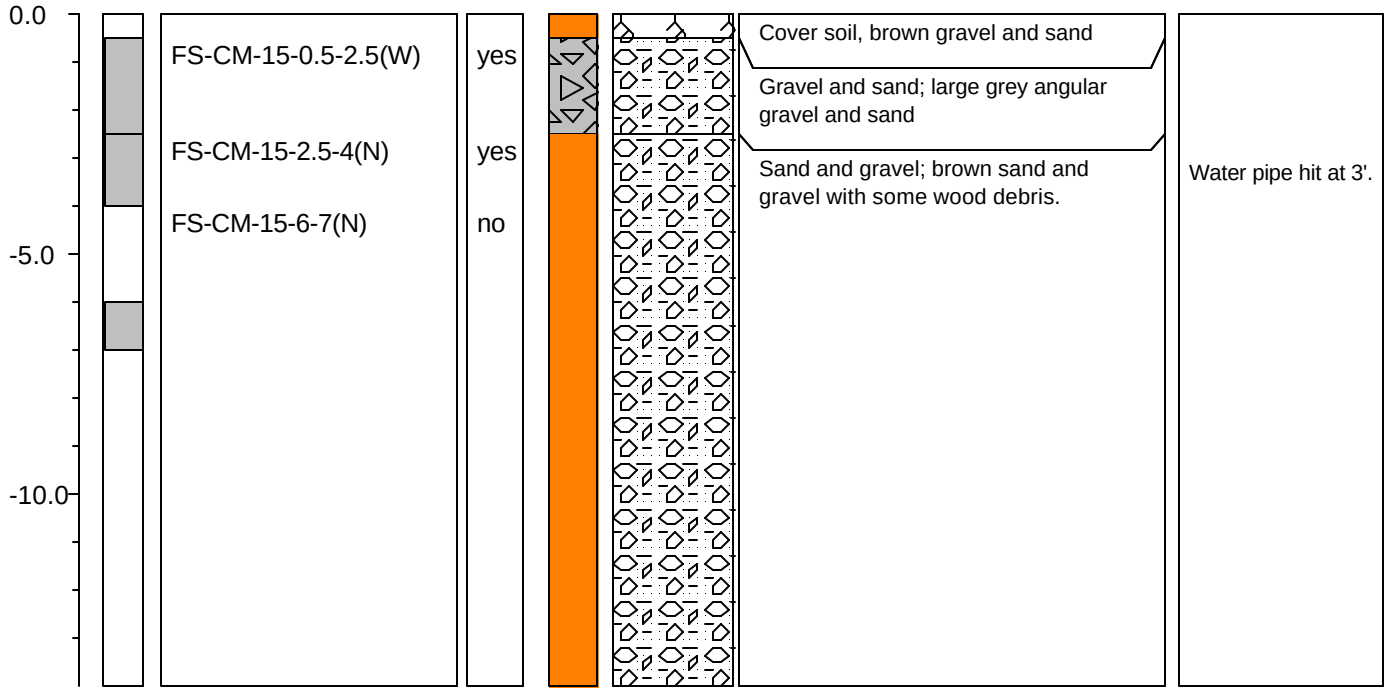
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/12/01

COMPLETED: 6/12/01

TOTAL DEPTH (bgs): 14'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-15

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Near junction of tributary and Gold Creek

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-16

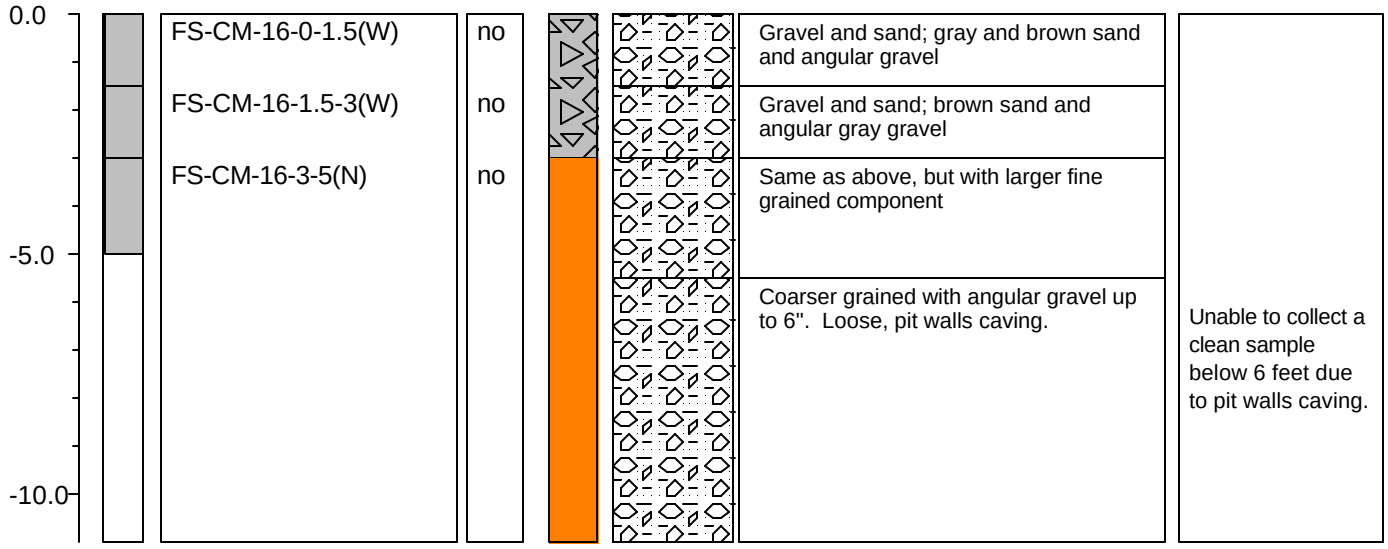
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/12/01

COMPLETED: 6/12/01

TOTAL DEPTH (bgs): 11'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-16

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 30' from Gold Creek Tributary

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-17

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

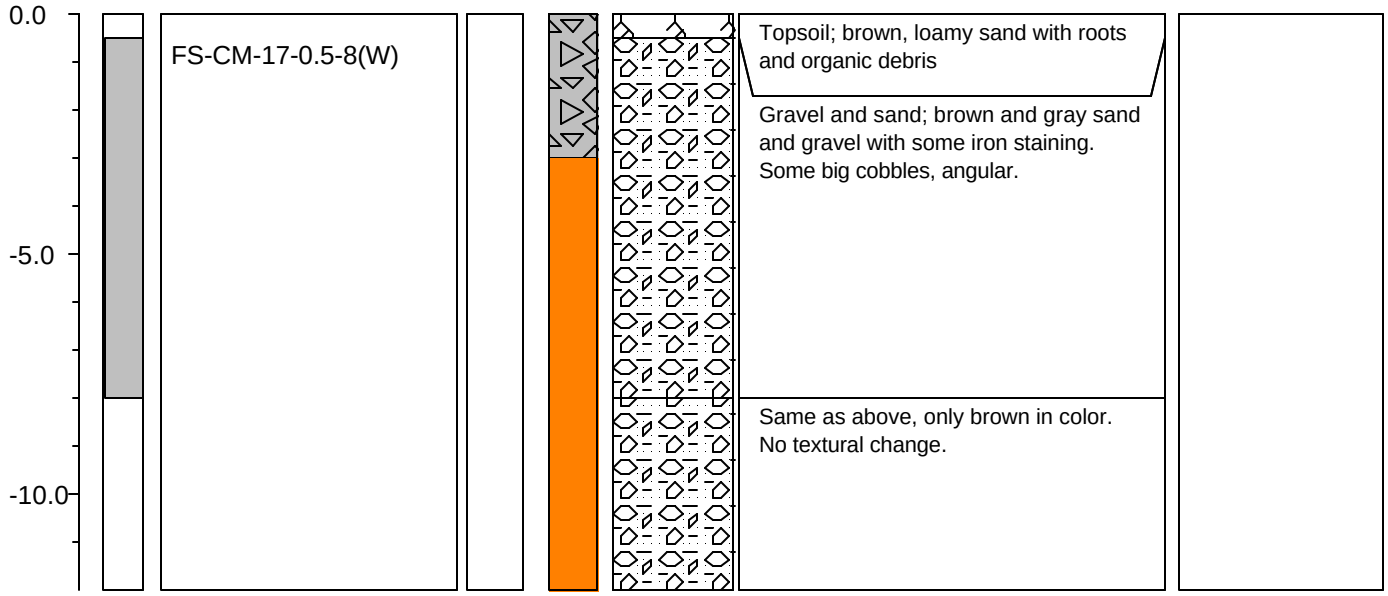
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/12/01

COMPLETED: 6/12/01

TOTAL DEPTH (bgs): 12'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-17

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: heavily forested area 30' from Gold Creek Tributary

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-18

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

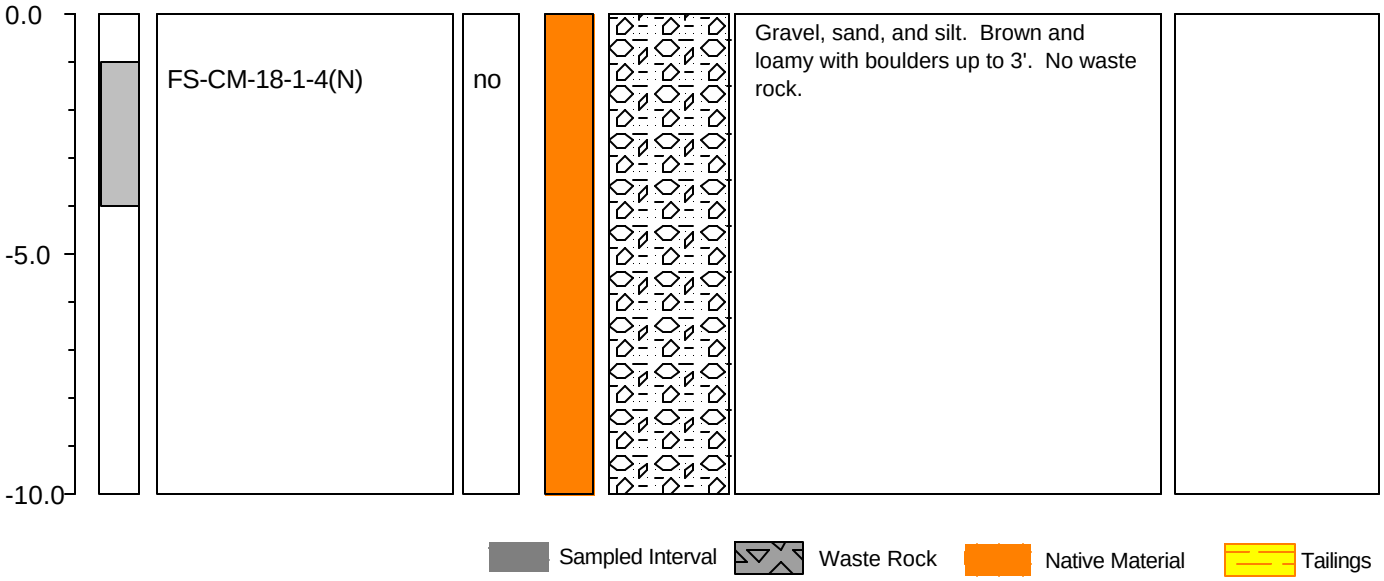
GROUNDWATER (ft): Spring filling pit at 2'.

DATE: HOLE STARTED: 6/12/01

COMPLETED: 6/12/01

TOTAL DEPTH (bgs): 10'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0 to -10.0		FS-CM-18-1-4(N)	no		Gravel, sand, and silt. Brown and loamy with boulders up to 3'. No waste rock.	



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-CM-18**

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 50' N of cabins

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-20

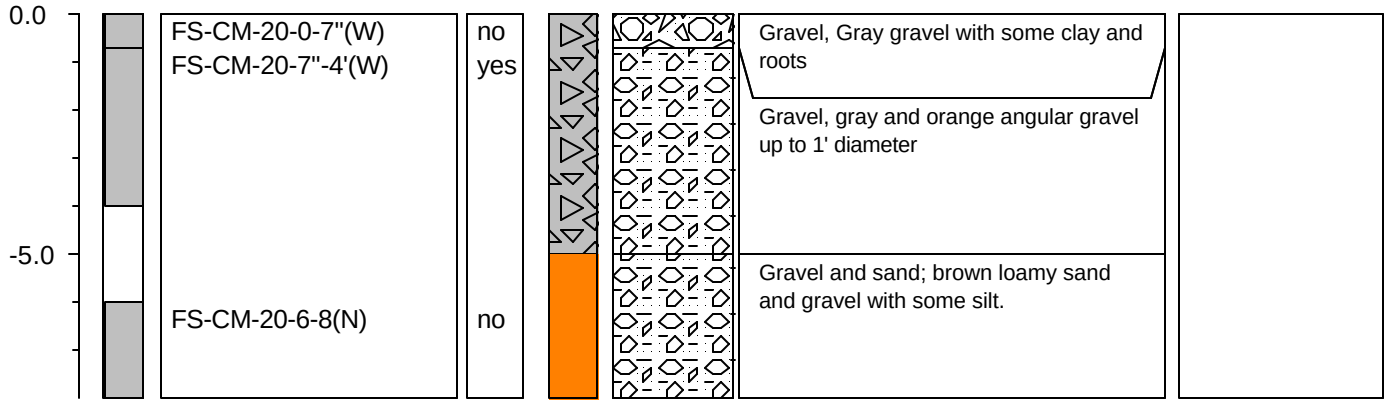
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 8'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-20

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: north dump near FS-CM-02

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-CM-21

TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater encountered at 10'

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 24.5'

DEPTH (ft)	SAMPLE INTERVAL	% RECOVERY	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0						Gravel; Blue-green and purple with angular argillitic gravel. Minimal fines (likely washed out by water).	
-5.0		<5	FS-CM-21-5-6.5(W)	no			
-10.0		<5	FS-CM-21-10-11.5(W)	no		Gravel as above with wood debris.	
		0	No sample (no recovery)	no			
-15.0		<5	FS-CM-21-15-16.5(W)	no			
-20.0		80	FS-CM-21-20-21.5(W)	yes		Gravel and silt; Dark gray silt with occasional angular gravel and organic debris.	
		70	FS-CM-21-21.5-23(N)	yes			
			FS-CM-21-23-24.5(N)	no		Brown silt with angular gravel from pea size to 3/4". Large rock fragments from 23' to 24.5'.	

Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-CM-21

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 50' west of brick structure

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-22

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 4'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-CM-22-0.5(N)	no		Topsoil, dark brown sandy soil capped with grass.	
		FS-CM-22-0.5-0.9(W)	no		Gravel and sand; orange and yellow gravel and sand.	
		FS-CM-22-2.3(N)	no		Gravel and sand; gray gravel and sand.	
		FS-CM-22-3.2(N)	no		Gravel and sand; brown gravel and sand with greater number of fines than above.	

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-22

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: near middle of site

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-23

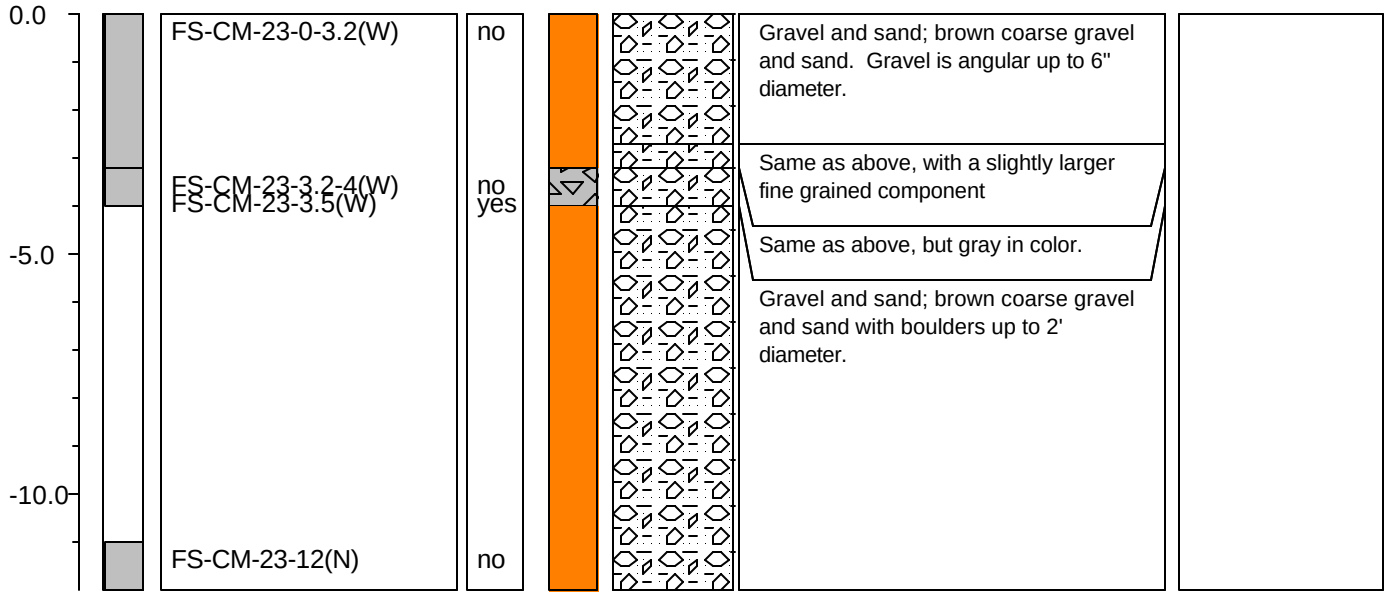
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater encountered at 11'.

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 12'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-23

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Between sample sites CM-07 and CM024

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-25

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

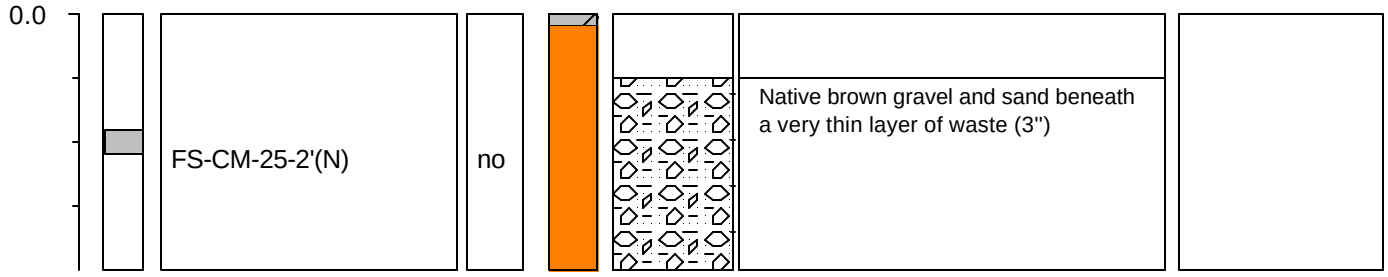
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 4'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-CM-25-2'(N)	no		Native brown gravel and sand beneath a very thin layer of waste (3")	



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-25

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: 45' N of FS-CM-23

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-27

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

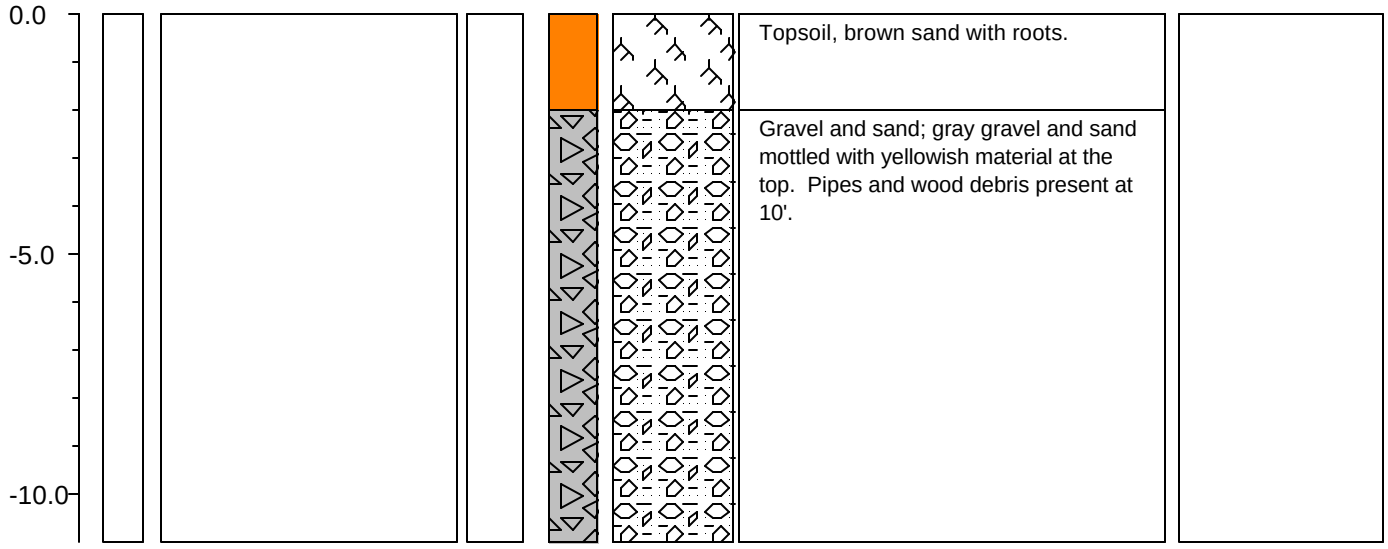
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 11'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-CM-27

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Hillside above CM-06

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-28

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

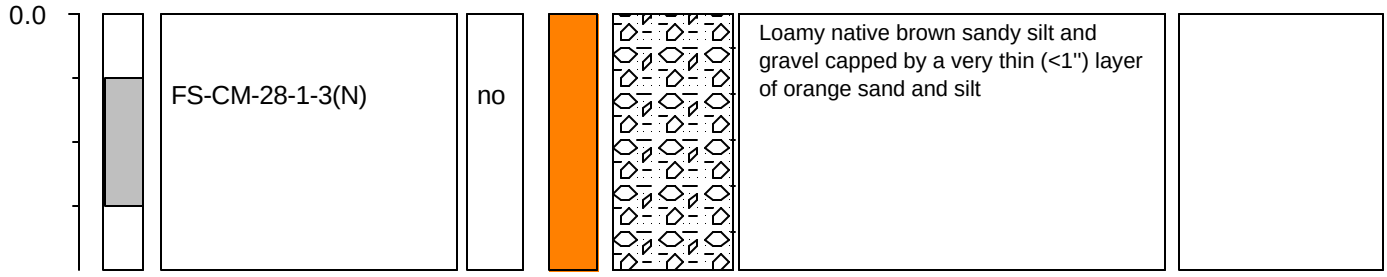
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 4'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-CM-28-1-3(N)	no		Loamy native brown sandy silt and gravel capped by a very thin (<1") layer of orange sand and silt	



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-CM-28**

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: On north side of CM-07 mound

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-CM-29

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

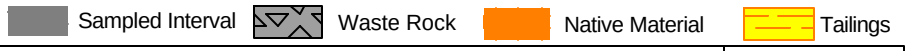
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/13/01

TOTAL DEPTH (bgs): 4'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-CM-29-0-2(W)	yes		Gravel and sand; orange and yellow waste gravel and sand	
		FS-CM-29-2-3(N)	yes		Native brown loamy soil, sand, gravel, and silt	



2009168 | MAXIM TECHNOLOGIES INC® | **LOG OF EXPLORATORY TEST PIT** | **FS-CM-29**

PROJECT NAME: Gold Creek USFS (New Rainbow Mine)

LOCATION: Uppermost part of access road

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-NR-03

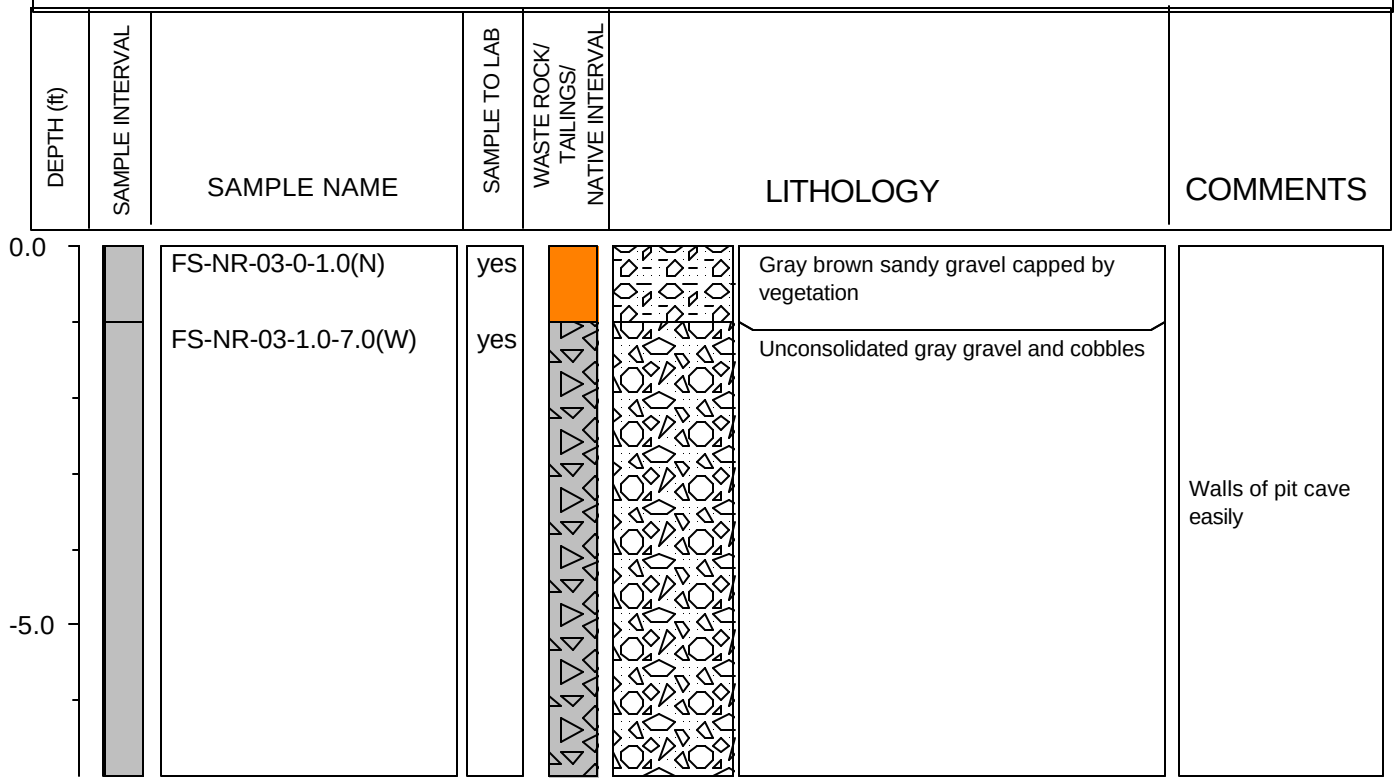
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/3/00

COMPLETED: 11/3/00

TOTAL DEPTH (bgs): 7'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-NR-03

PROJECT NAME: Gold Creek USFS (New Rainbow)

LOCATION: upper most accessible part of access road

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-NR-04

TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/8/00

COMPLETED: 11/8/00

TOTAL DEPTH (bgs): 24.5'

DEPTH (ft)	SAMPLE INTERVAL	% RECOVERY	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0						Angular to blocky gravel with grey sand	Drilled at location of FS-NR-03 test pit.
-5.0							
-10.0		0					
		15	FS-NR-04-13.5-16.5(W)	yes			
-15.0		10					
-20.0		0					
		100	FS-NR-04-23-23.5(N)	yes		Brown silt to clayey silt	
			FS-NR-04-23.5-24.5(N)	yes			

Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC®	LOG OF EXPLORATORY BORING	FS-NR-04

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: South or road on bench. East of culvert

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-WE-01

TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

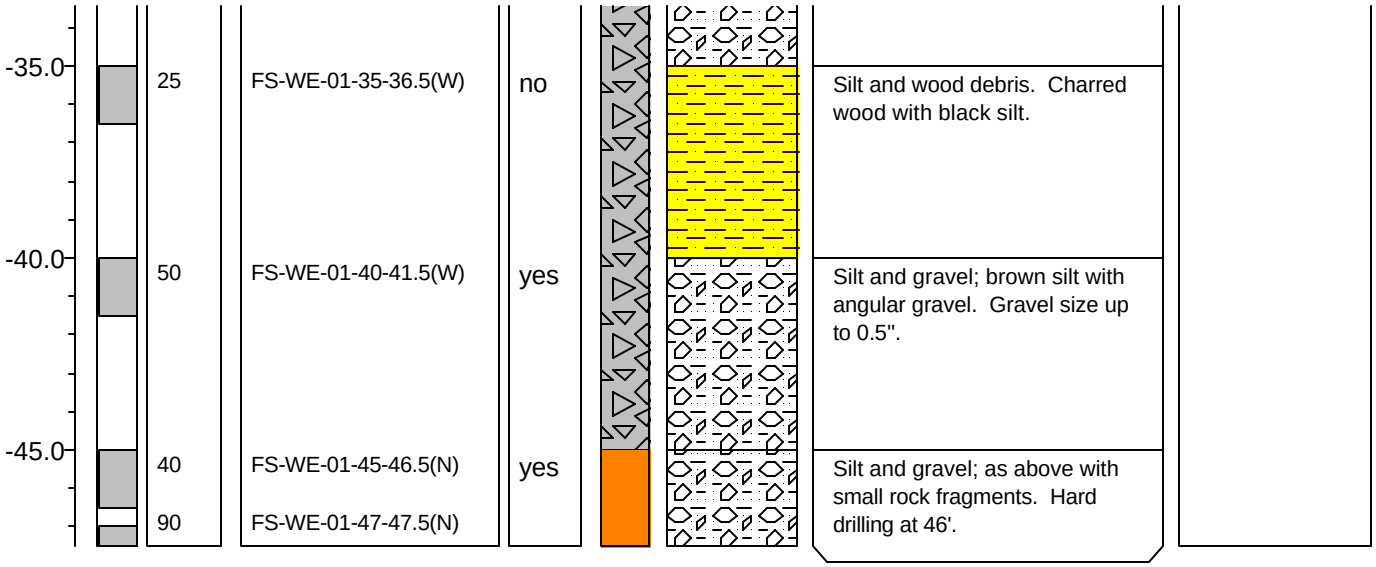
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 47.5'

DEPTH (ft)	SAMPLE INTERVAL	% RECOVERY	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0						Sand and gravel; brow, medium to coarse grained sandy gravel. Gravel is angular to sub-angular	
-5.0		50	FS-WE-01-5-6.5(W)	no			
-10.0		40	FS-WE-01-10-11.5(W)	no		Silt, sand, and gravel; Brown silty sandy gravel with large rock fragments	
-15.0		40	FS-WE-01-15-16.5(W)	yes		Gray/white rock fragments, quartz, hard drilling.	
-20.0		25	FS-WE-01-20-21.5(W)	no		Brown sandy silt and gravel. Easy drilling.	
-25.0		25	FS-WE-01-25-26.5(W)	no			
-30.0		25	FS-WE-01-30-31.5(W)	no		Silt, sand, and gravel; same as above but with large rock fragments	



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-WE-01

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: S. side Gold Creek Rd. S side of mine

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-WE-02

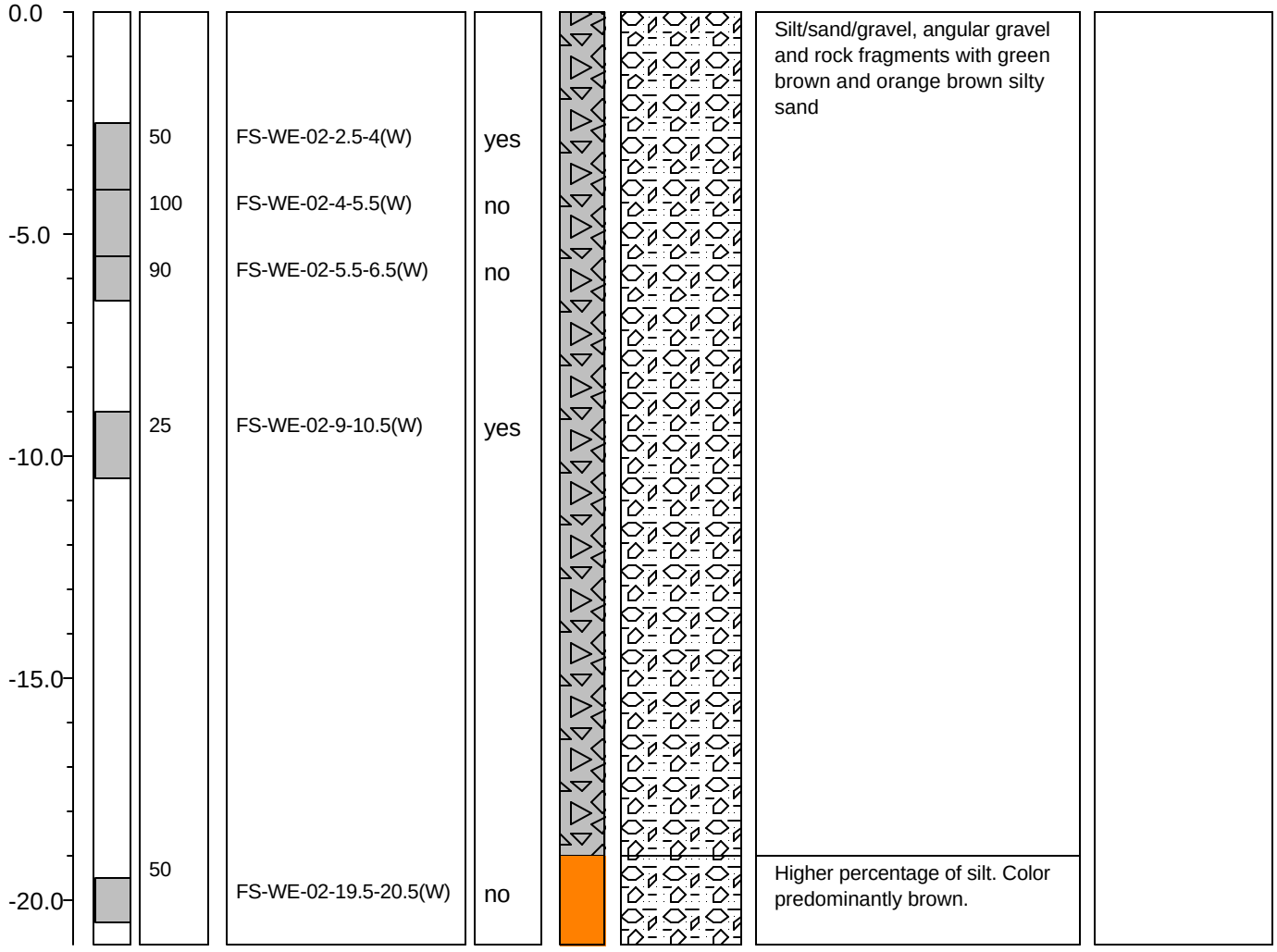
TOWNSHIP RANGE SECTION: T53N R1W Sec 35

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/9/00

COMPLETED: 11/9/00

TOTAL DEPTH (bgs): 21'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-WE-02

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: On bench below road. Northwest of FS-CM-02.

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-WE-03

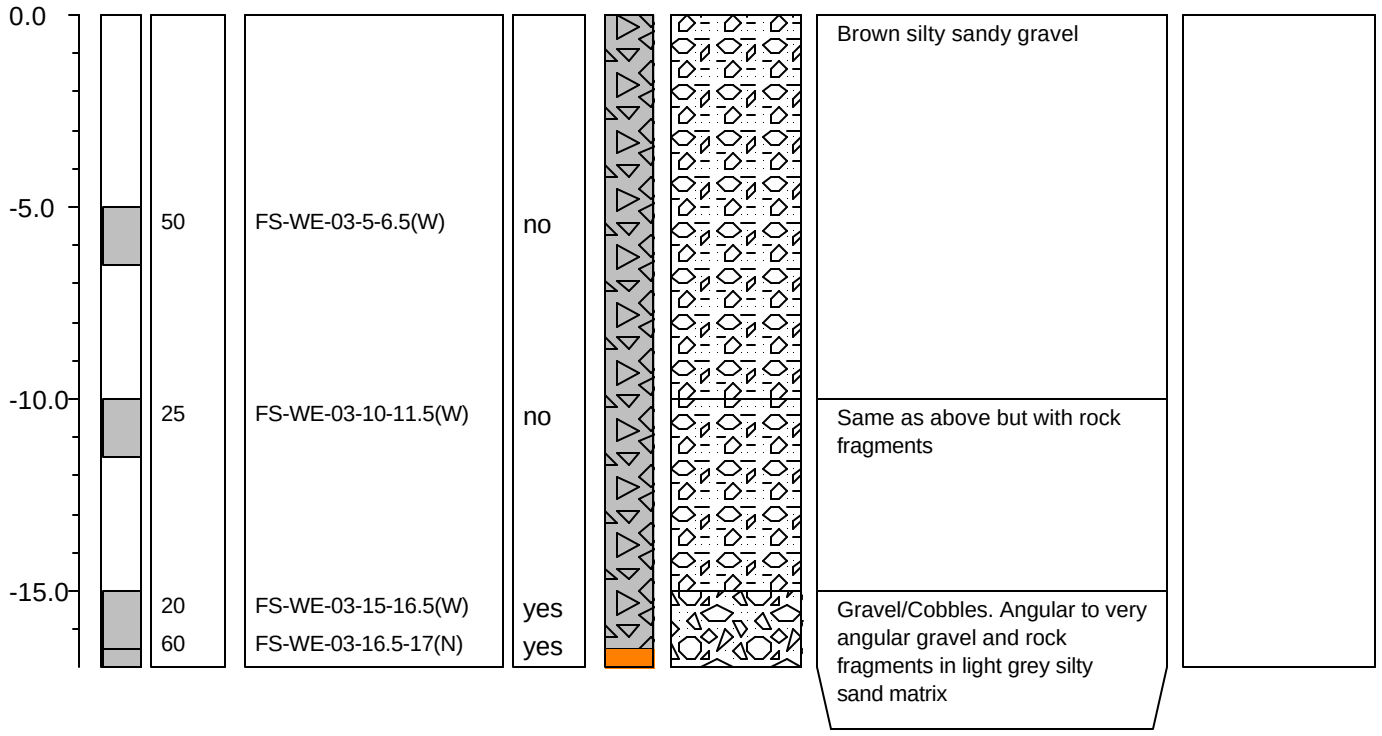
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 17'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-WE-03

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: across Gold Creek on 'treeless mound'

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-04

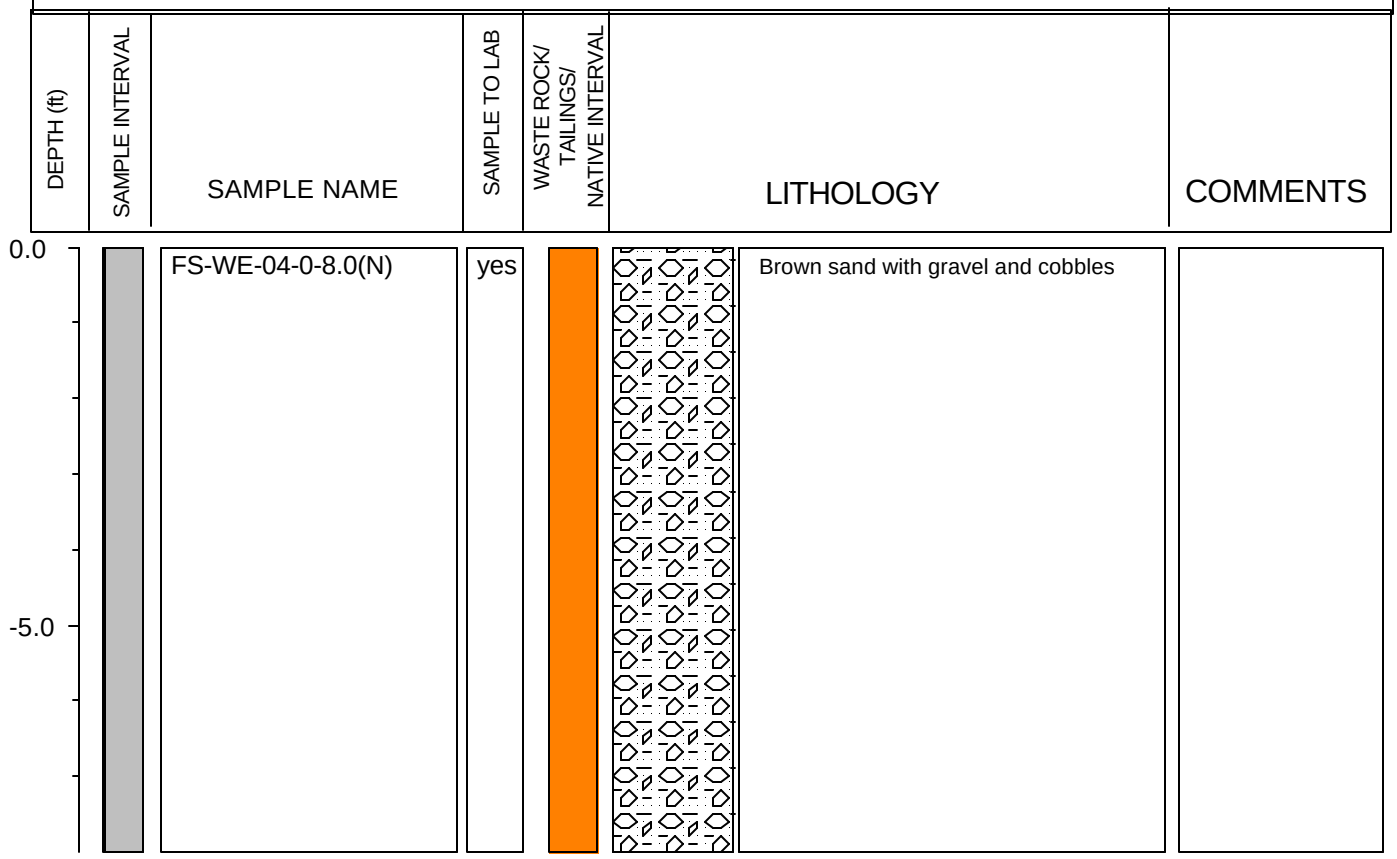
TOWNSHIP RANGE SECTION: T53N R1W Sec 35

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 8'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-WE-04

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: mound across Gold Creek

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-04

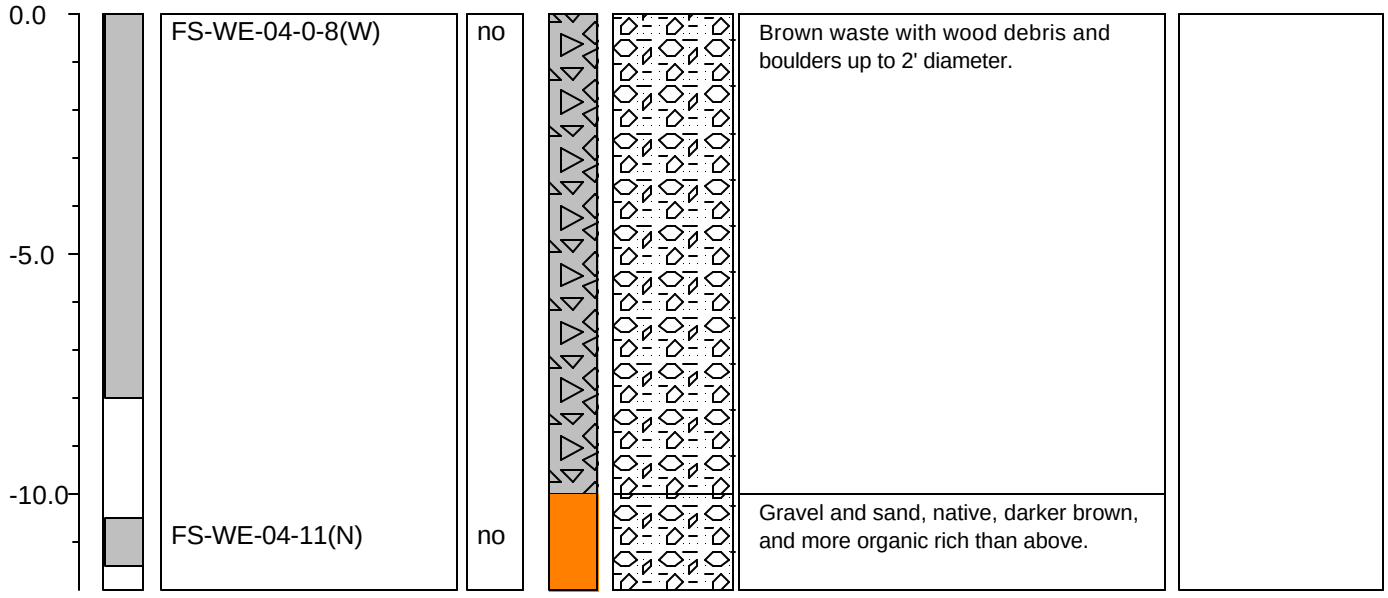
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 12.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-WE-04

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: On bench right (facing) of pit

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-05

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

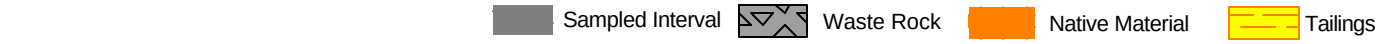
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/13/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 3.5'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-05-0-3.5(W)	yes		Gravel and sand; orange waste gravel and sand capped by very thin (<2") soil layer. Beneath is hard bedrock.	



2009168 MAXIM TECHNOLOGIES INC®

LOG OF EXPLORATORY TEST PIT

FS-WE-05

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: Around slope from FS-WE-05

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-06

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 4.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-06-0-2(W)	yes		Gravel and sand; brown and roange silt and gravel	
		FS-WE-06-2-4(N)	yes		Brown and orange bedrock weathered into sand and gravel.	

Sampled Interval Waste Rock Native Material Tailings

2009168 MAXIM TECHNOLOGIES INC® **LOG OF EXPLORATORY TEST PIT** **FS-WE-06**

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: On bench near FS-WE-01

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-07

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

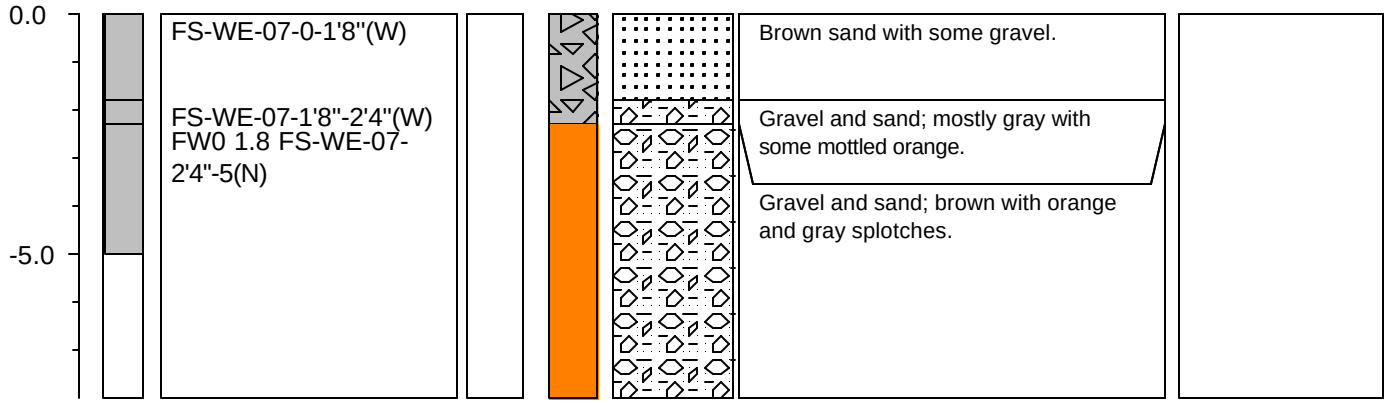
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 8.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-07-0-1'8"(W)			Brown sand with some gravel.	
		FS-WE-07-1'8"-2'4"(W) FW0 1.8 FS-WE-07-2'4"-5(N)			Gravel and sand; mostly gray with some mottled orange.	
-5.0					Gravel and sand; brown with orange and gray splotches.	



Sampled Interval | Waste Rock | Native Material | Tailings

2009168 | MAXIM TECHNOLOGIES INC® | **LOG OF EXPLORATORY TEST PIT** | **FS-WE-07**

PROJECT NAME: Gold Creek USFS (Conjecture Mine)

LOCATION: Same location as FS-WE-05

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-09

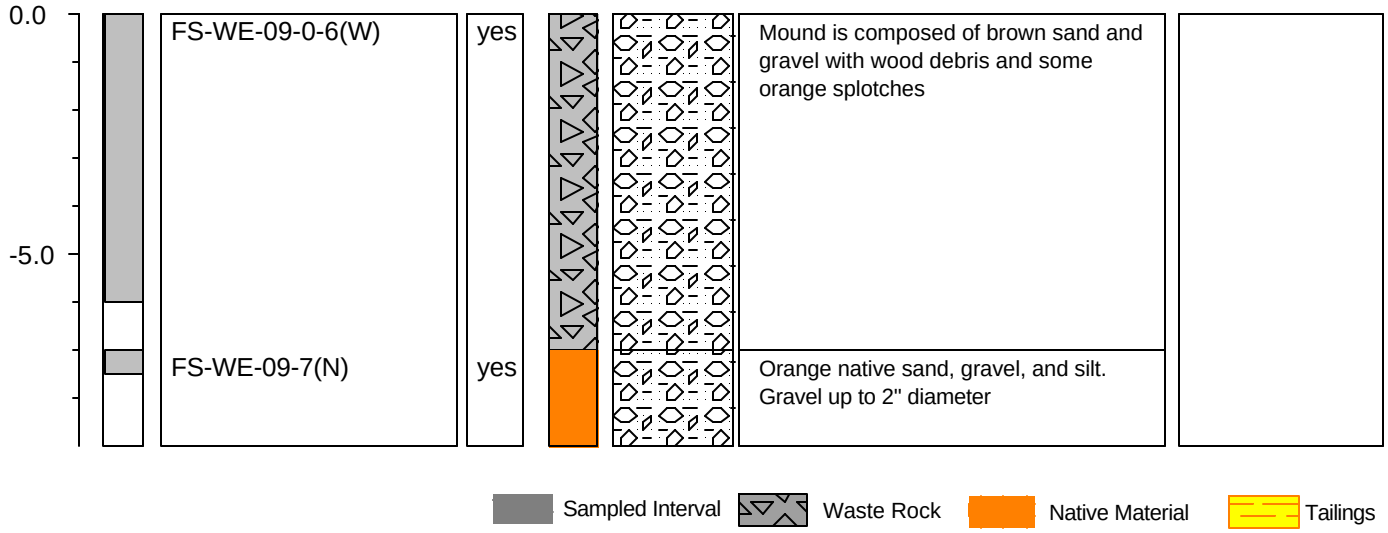
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 9.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-WE-09

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: Kelly hump across from WE-04 mound

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-10

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

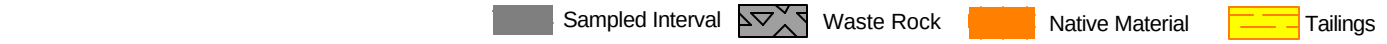
GROUNDWATER (ft): Groundwater encountered at 5'.

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 6.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-10-0-3(W)	yes		Brown sand and angular gravel	
		FS-WE-10-3-6(N)	yes		Gravel and sand; slighty lighter brown than above. More rounded gravel than above.	
-5.0						



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-WE-10**

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: on slope on left (facing) side of pit

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-11

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 6.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-11-0-6(N)	yes		Native brown gravel, sand and silt with slight yellow component.	
					Gravel and sand; slighty lighter brown than above. More rounded gravel than above.	
-5.0						

2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-WE-11**

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION:

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-WE-12

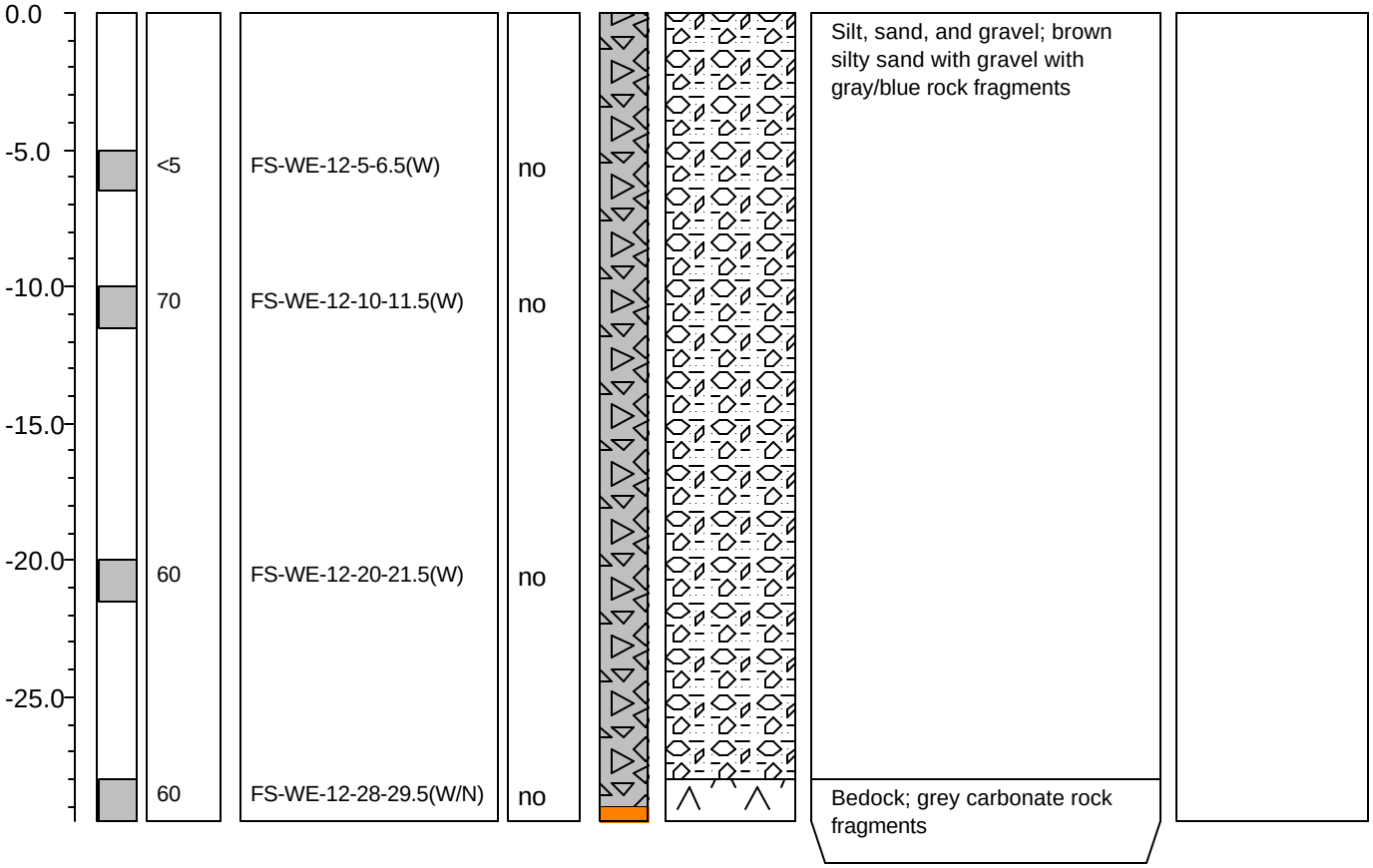
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 29.5'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-WE-12

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: bench just left (facing) of pit

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-13

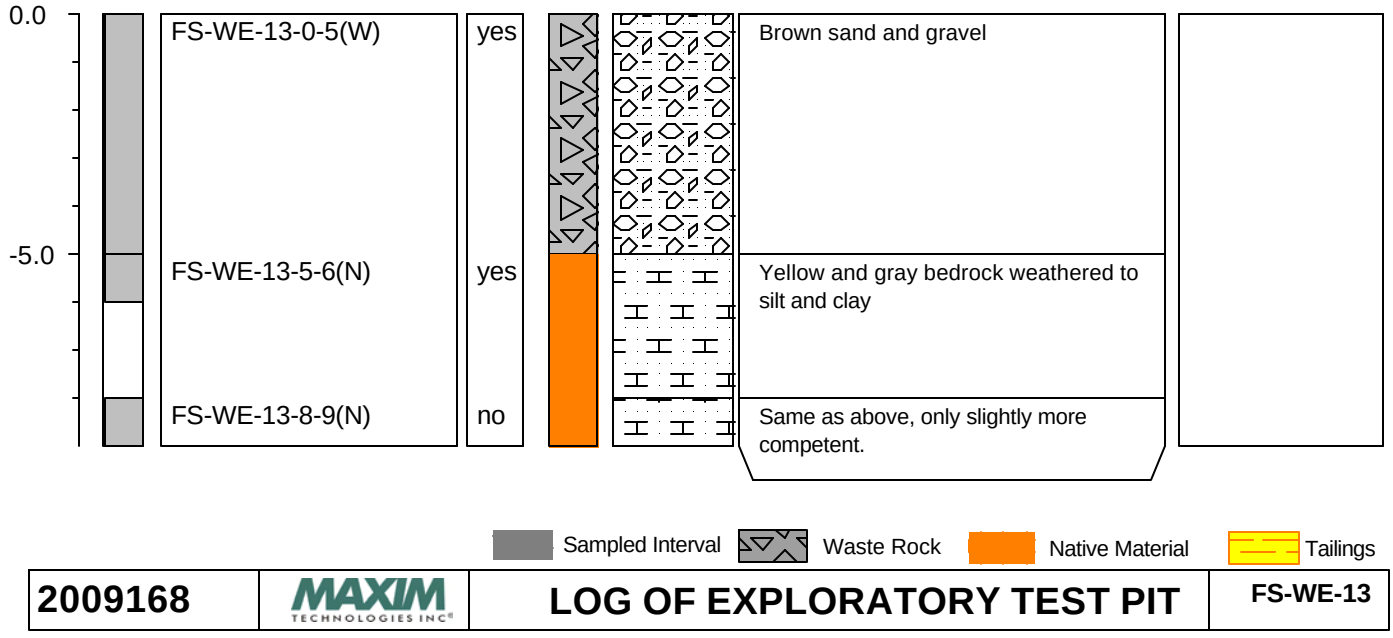
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 9.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-WE-13

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION:

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-WE-14

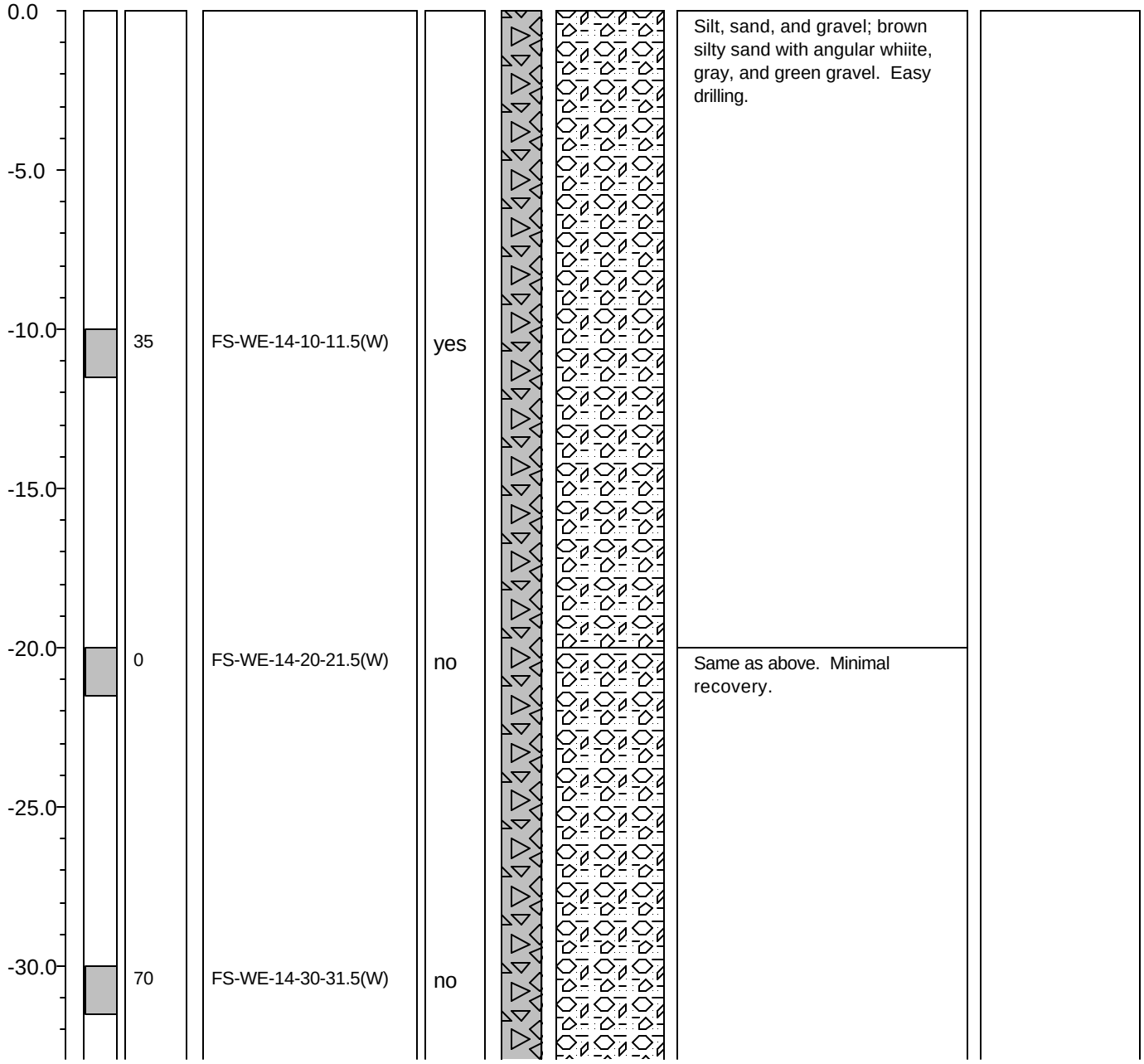
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

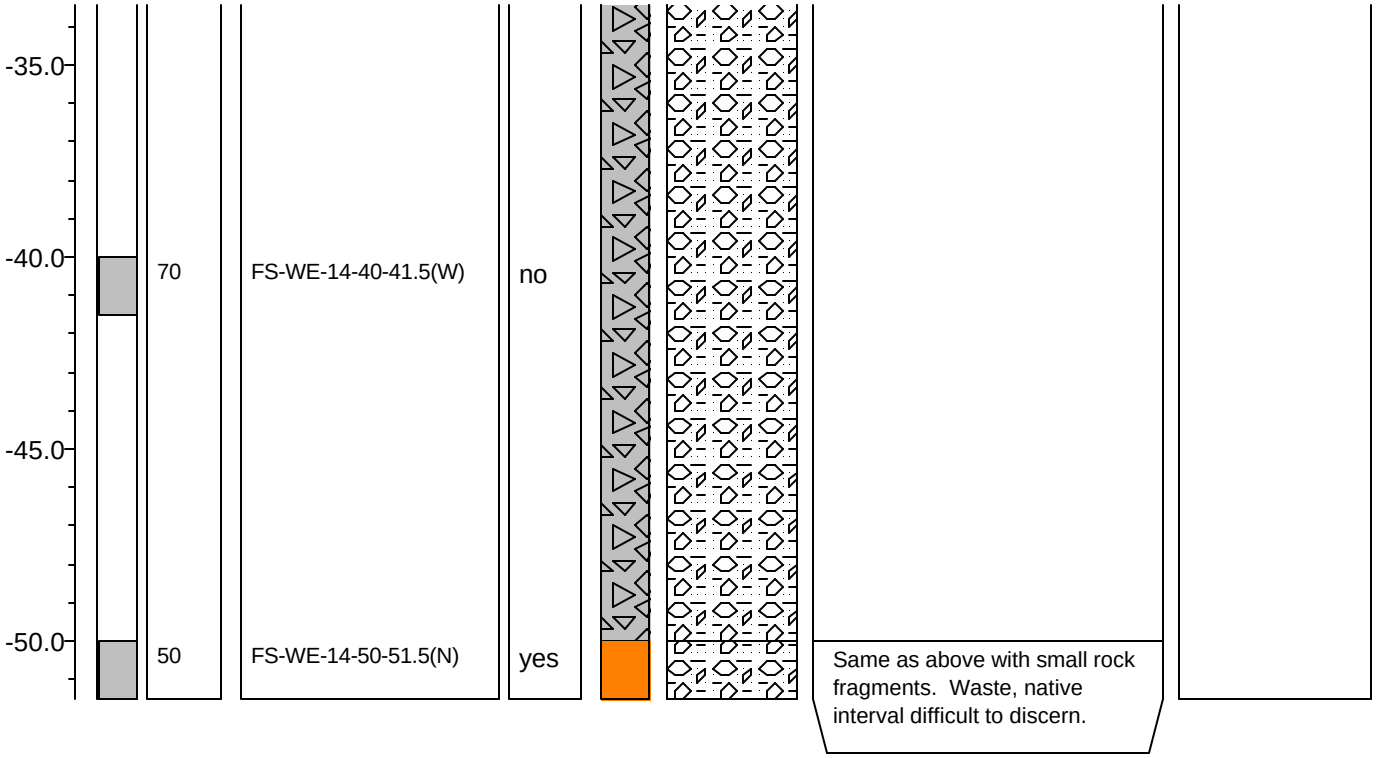
GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/14/01

COMPLETED: 6/14/01

TOTAL DEPTH (bgs): 51.5'





Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-WE-14

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: benches above abandoned excavator

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-15

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

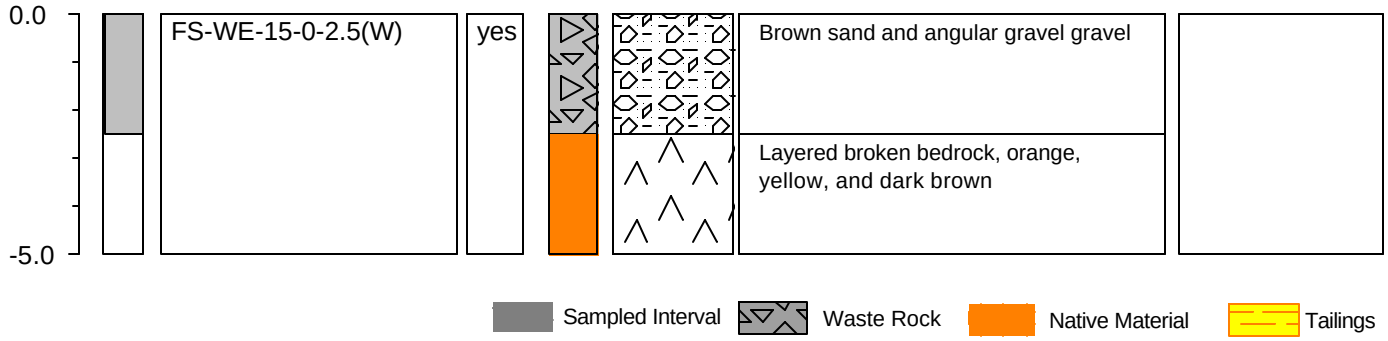
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/15/01

COMPLETED: 6/15/01

TOTAL DEPTH (bgs): 5.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-15-0-2.5(W)	yes		Brown sand and angular gravel gravel	
					Layered broken bedrock, orange, yellow, and dark brown	
-5.0						



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-WE-15

PROJECT NAME: Gold Creek USFS (Weber Mine)

LOCATION: benches above abandoned excavator

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-WE-16

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

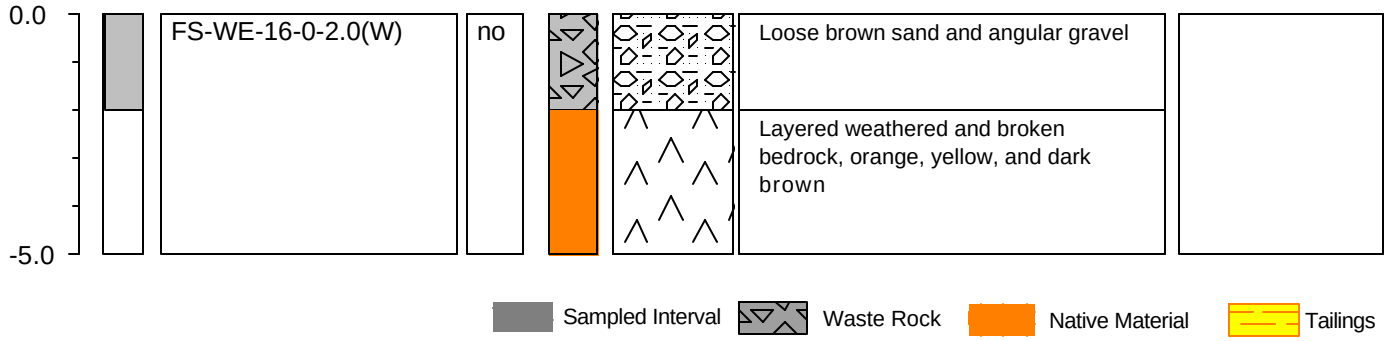
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/15/01

COMPLETED: 6/15/01

TOTAL DEPTH (bgs): 5.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-WE-16-0-2.0(W)	no		Loose brown sand and angular gravel	
					Layered weathered and broken bedrock, orange, yellow, and dark brown	
-5.0						



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-WE-16**

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: In road that cuts through upper dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-01

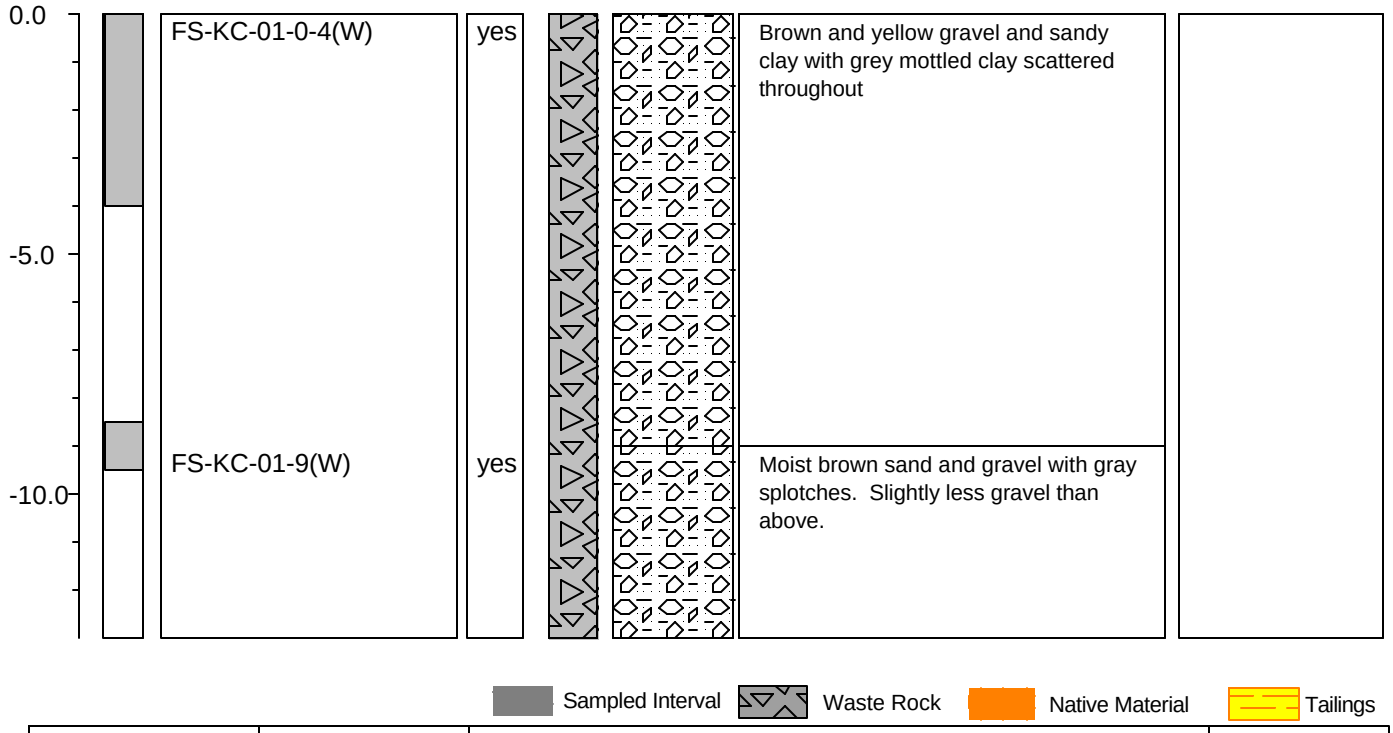
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 13.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-01

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Slope on road in upper waste dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-02

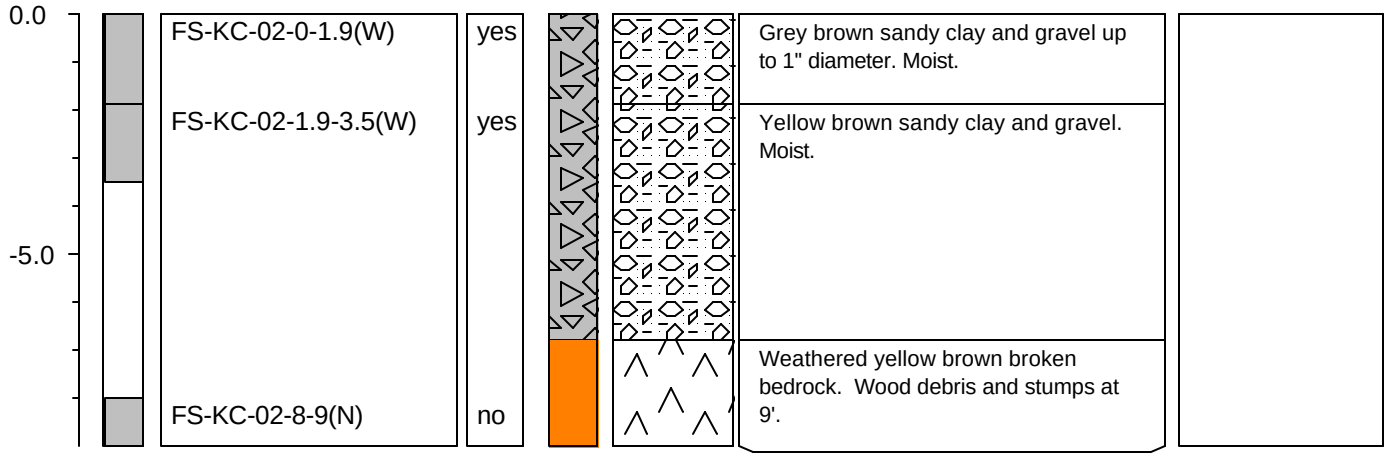
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 9.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-02

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Slope on road in upper waste dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-03

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

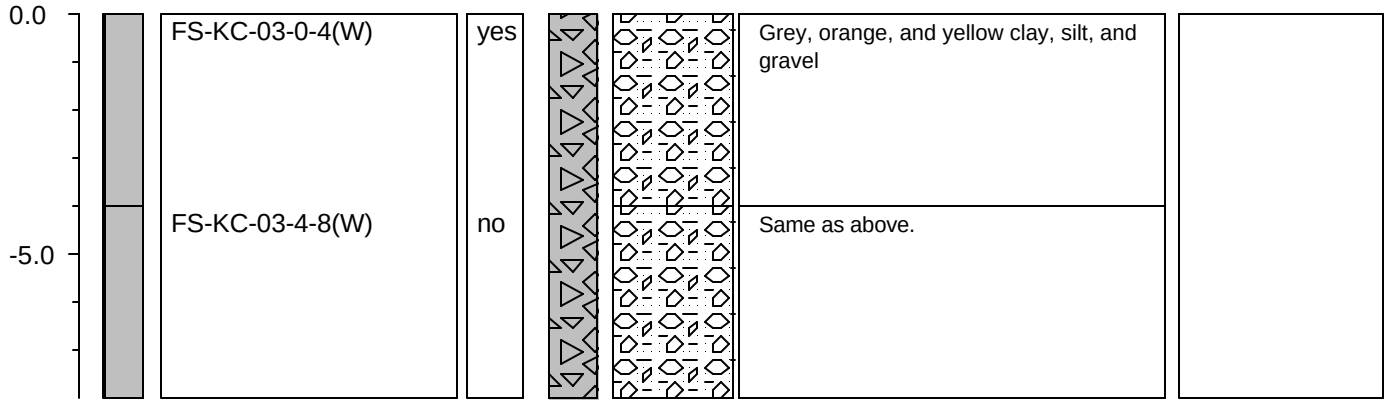
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 8.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-03-0-4(W)	yes		Grey, orange, and yellow clay, silt, and gravel	
-5.0		FS-KC-03-4-8(W)	no		Same as above.	



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-03

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: second bench down an left side of slope

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-04

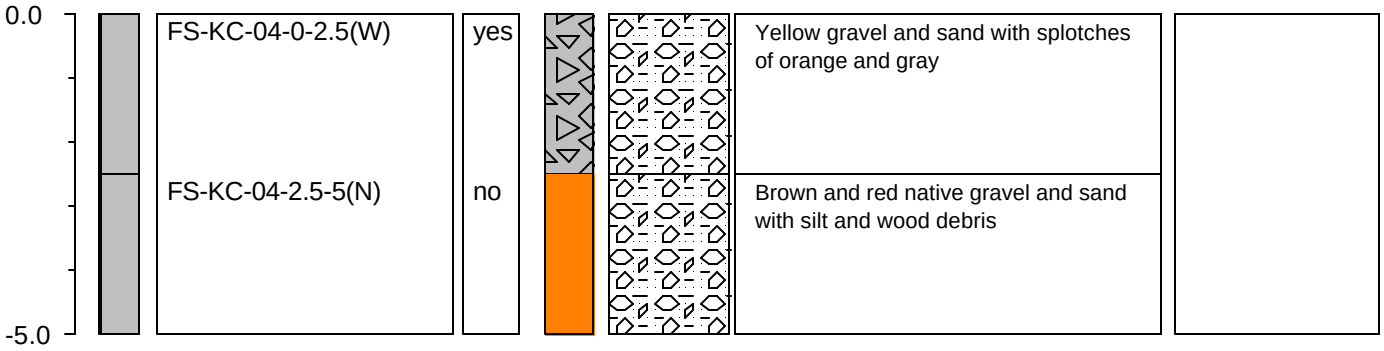
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 5.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-04

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: On mound just uphill from possible adit

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-05

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

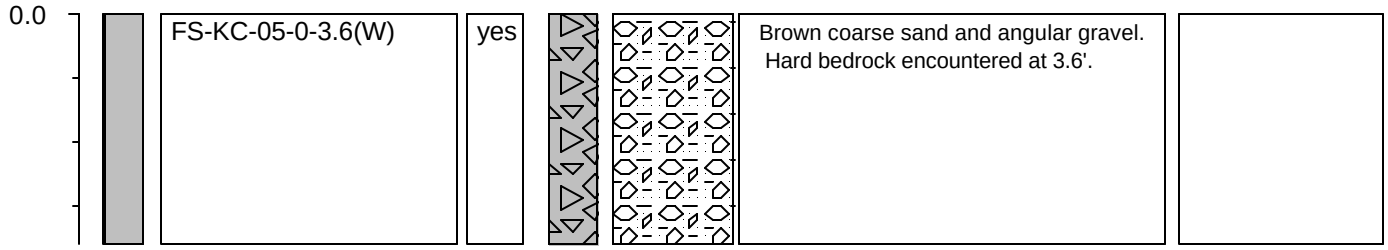
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 3.6'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-05-0-3.6(W)	yes		Brown coarse sand and angular gravel. Hard bedrock encountered at 3.6'.	



Sampled Interval Waste Rock Native Material Tailings

2009168

MAXIM TECHNOLOGIES INC

LOG OF EXPLORATORY TEST PIT

FS-KC-05

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Bench above borehole KC-20

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-06

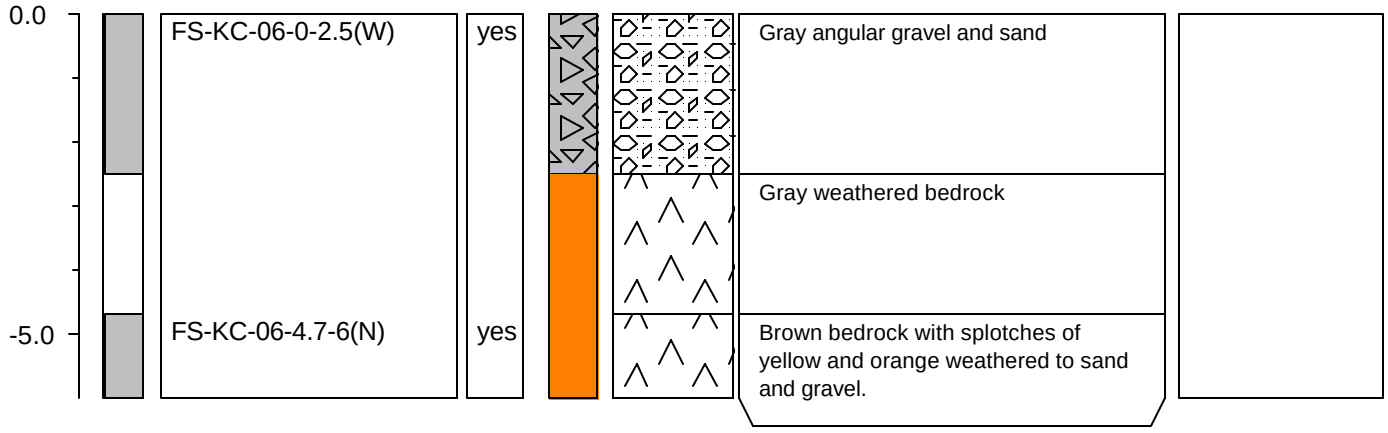
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 6.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-06

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Toward center of site, down road from possible adit

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-07

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 3.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		No samples taken.			Veneer of gray gravel and sand Red brown with orange splotches - competent	

Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-07

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Gray hillside on bench above KC-20.

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-08

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

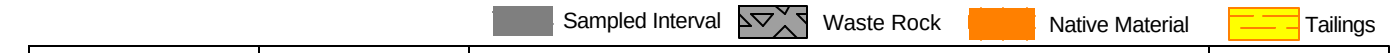
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 7.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-08-0-3(W)	yes		Gray angular gravel, silt, sand, and clay	
		FS-KC-08-3-7(N)	yes		Brown sand, gravel, and silt	
-5.0						



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-KC-08**

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION:

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-09

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 8.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-09-0-5(W)	yes		Brown sand and angular gravel up to 6" diameter.	
-5.0					Native brown ssnd and gravel, darker and more organic rich than above, wood debris.	Can not sample below 5' due to pit walls caving.

Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-09

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION:

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-10

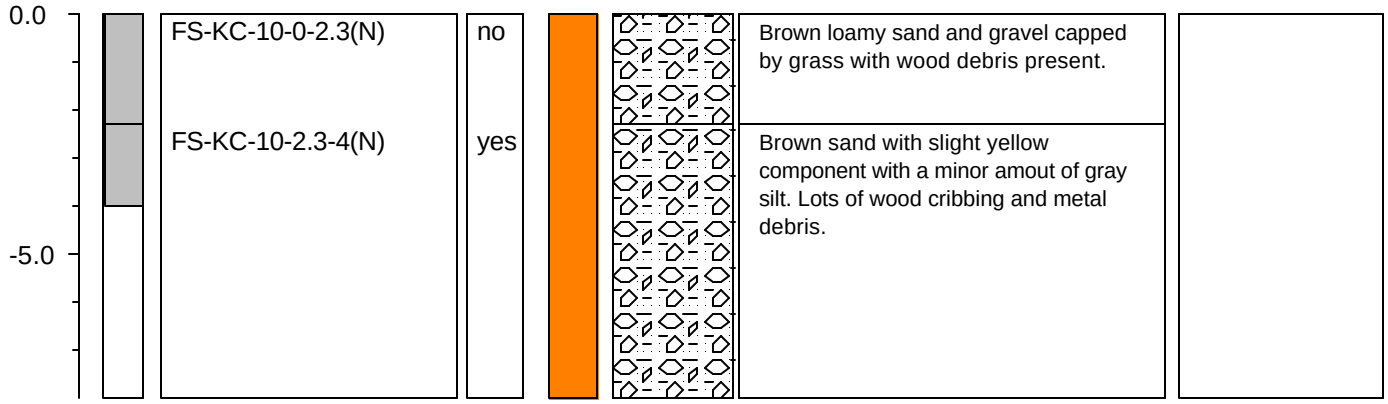
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 8.0'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-KC-10

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION:

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-11

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

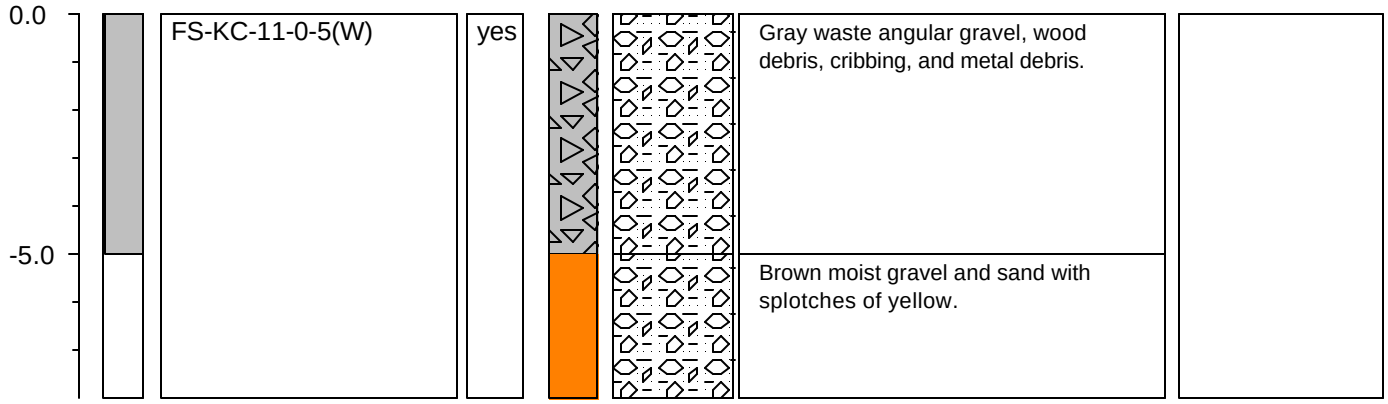
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 8.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-11-0-5(W)	yes		Gray waste angular gravel, wood debris, cribbing, and metal debris.	
-5.0					Brown moist gravel and sand with splotches of yellow.	



2009168 | MAXIM TECHNOLOGIES INC | **LOG OF EXPLORATORY TEST PIT** | **FS-KC-11**

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: Right side (facing) at bottom of site.

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Diversified Recycling

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-KC-12

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

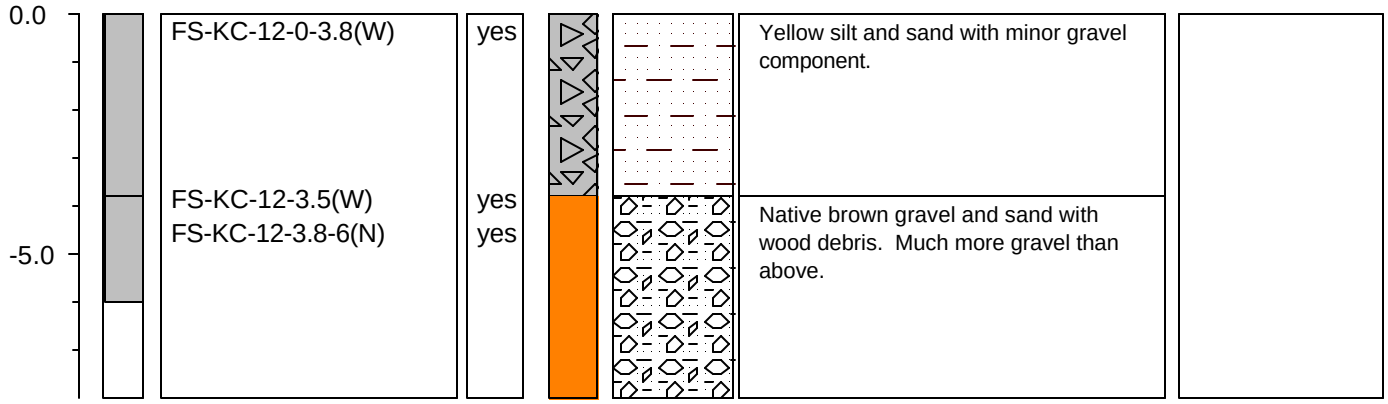
GROUNDWATER (ft): Groundwater not encountered.

DATE: HOLE STARTED: 6/19/01

COMPLETED: 6/19/01

TOTAL DEPTH (bgs): 8.0'

DEPTH (ft)	SAMPLE INTERVAL	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ TAILINGS/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
0.0		FS-KC-12-0-3.8(W)	yes		Yellow silt and sand with minor gravel component.	
-5.0		FS-KC-12-3.5(W) FS-KC-12-3.8-6(N)	yes yes		Native brown gravel and sand with wood debris. Much more gravel than above.	



Sampled Interval Waste Rock Native Material Tailings

2009168 MAXIM TECHNOLOGIES INC® **LOG OF EXPLORATORY TEST PIT** **FS-KC-12**

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: West of open adit at lowest bench

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-KC-20

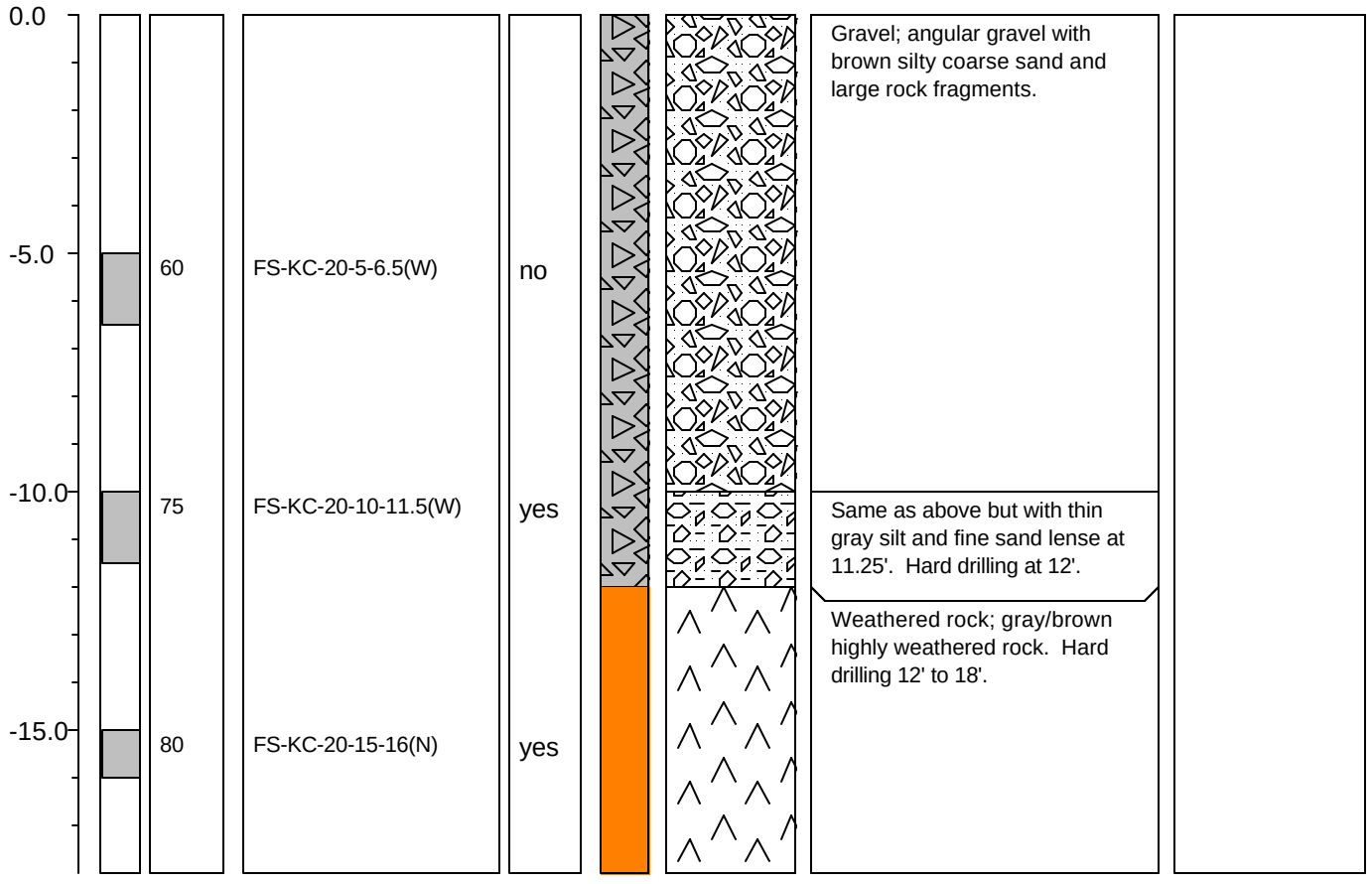
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/20/01

COMPLETED: 6/20/01

TOTAL DEPTH (bgs): 18'



2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-KC-20

PROJECT NAME: Gold Creek USFS (Keep Cool Mine)

LOCATION: North of open adit with flowing water.

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Dave

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-KC-21

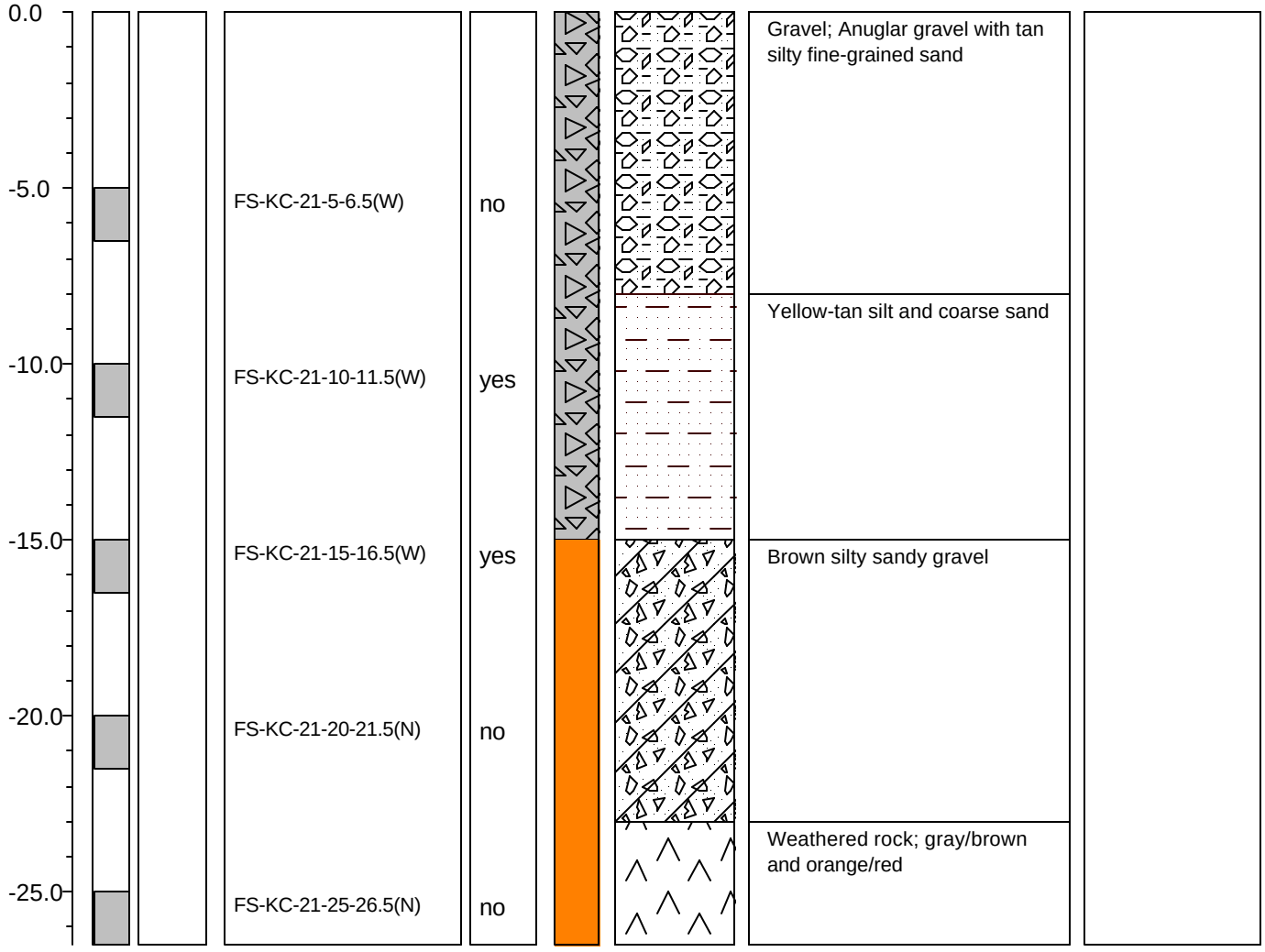
TOWNSHIP RANGE SECTION: T53N R1W Sec. 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 6/20/01

COMPLETED: 6/20/01

TOTAL DEPTH (bgs): 26.5



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-KC-21

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: South end of waste rock dump near adit #1

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-01

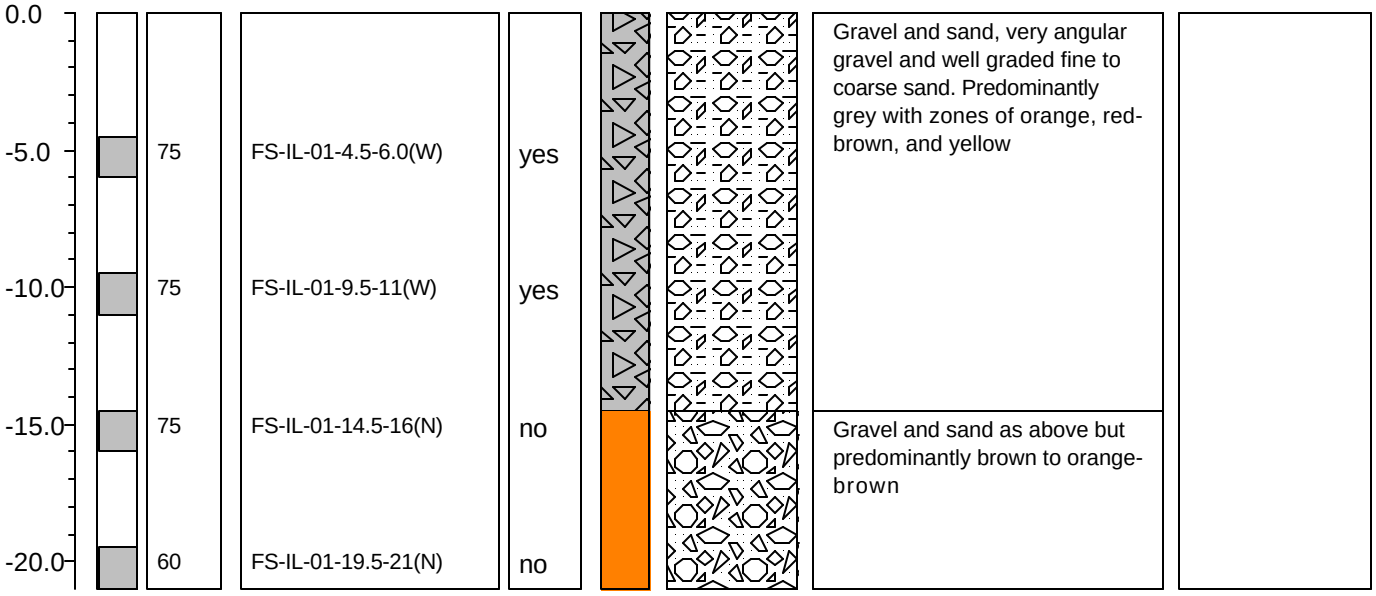
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 21'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-01

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: Approx. 70' north of FS-IL-01 on waste dump of adit #1

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-02

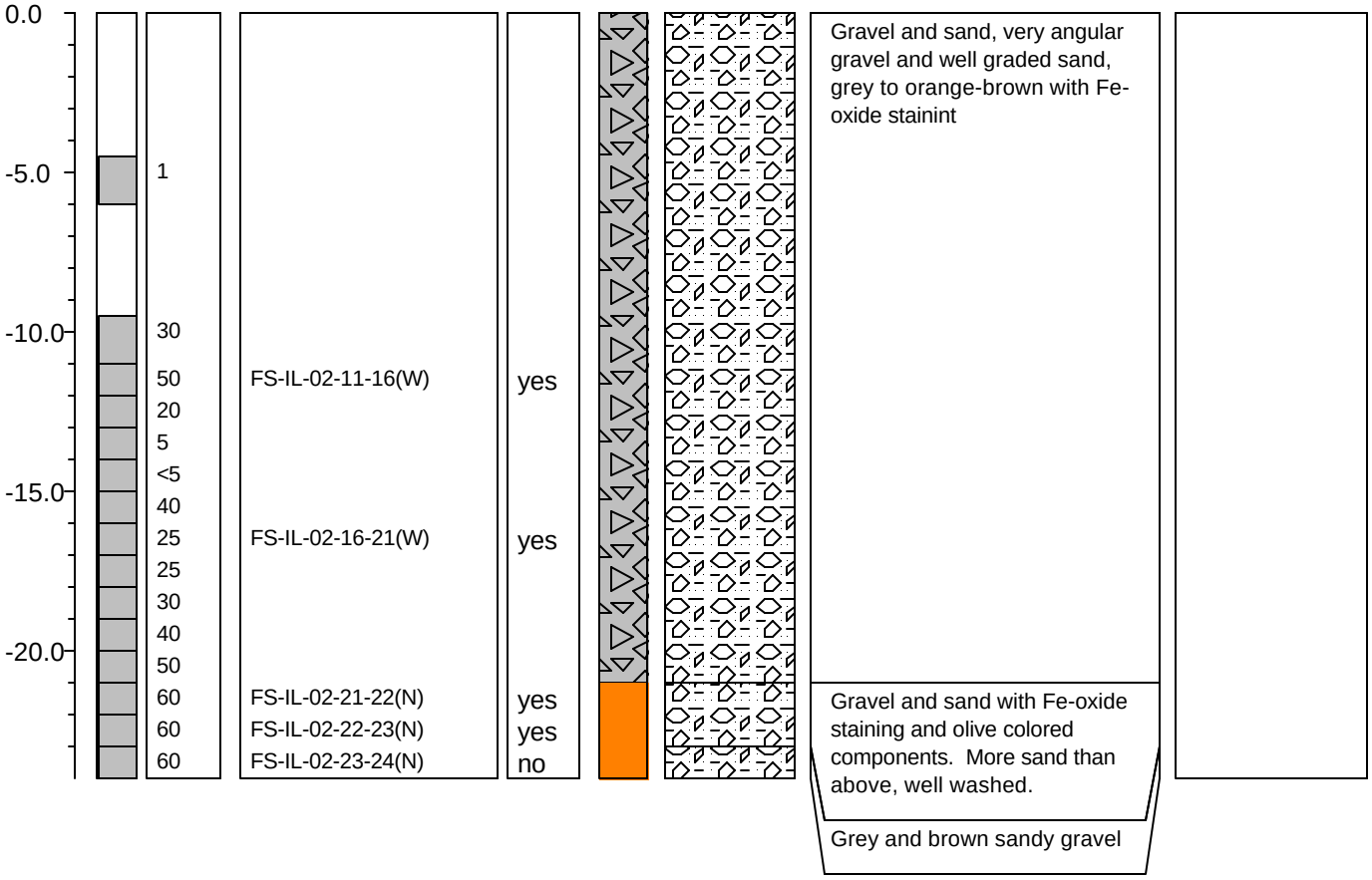
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 24'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-02

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: Approx 70' N of FS-IL-02 of waste rock dump of adit #1

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-03

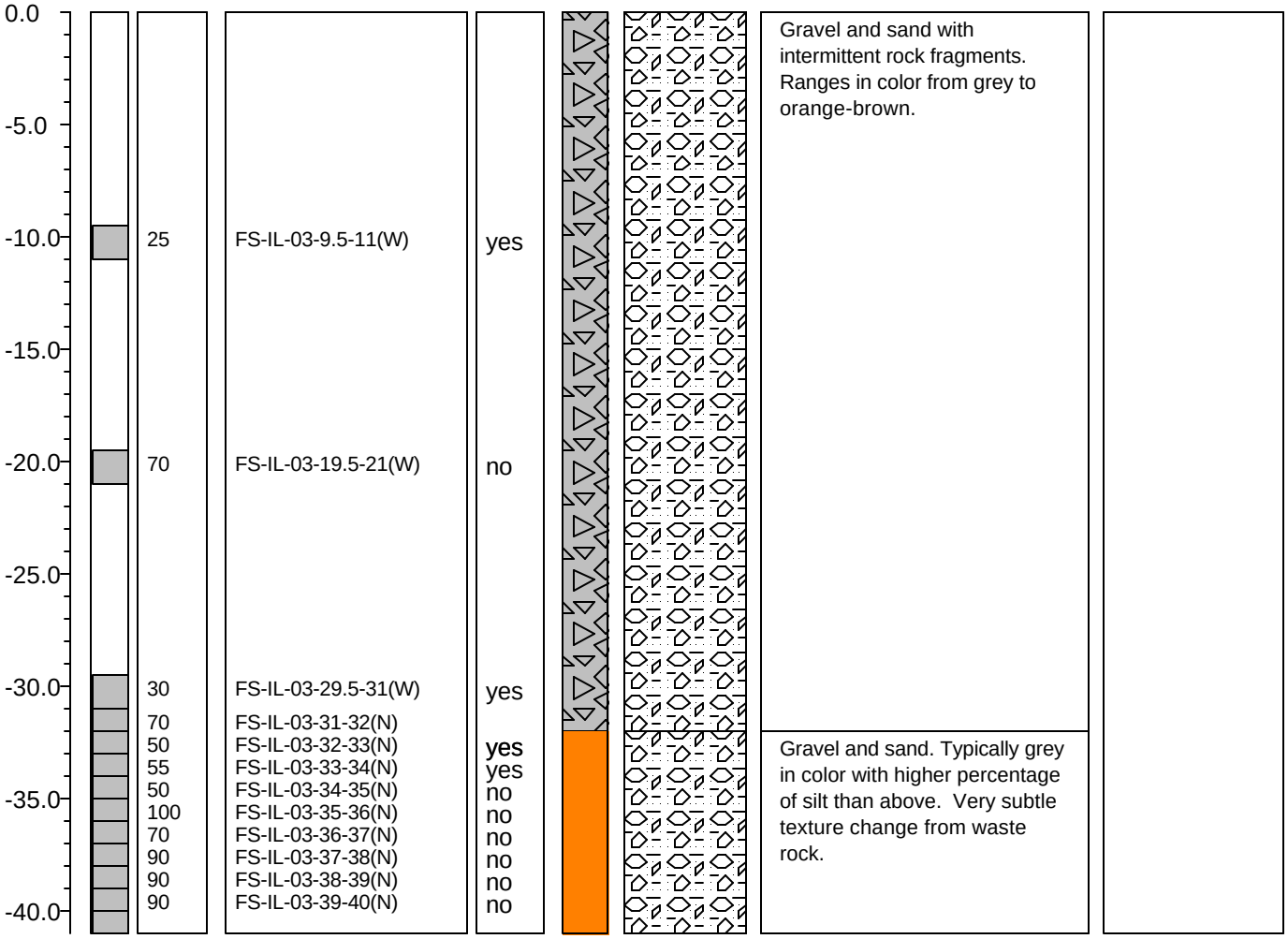
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 41'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-03

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: North end of waste rock dump on adit #1

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-04

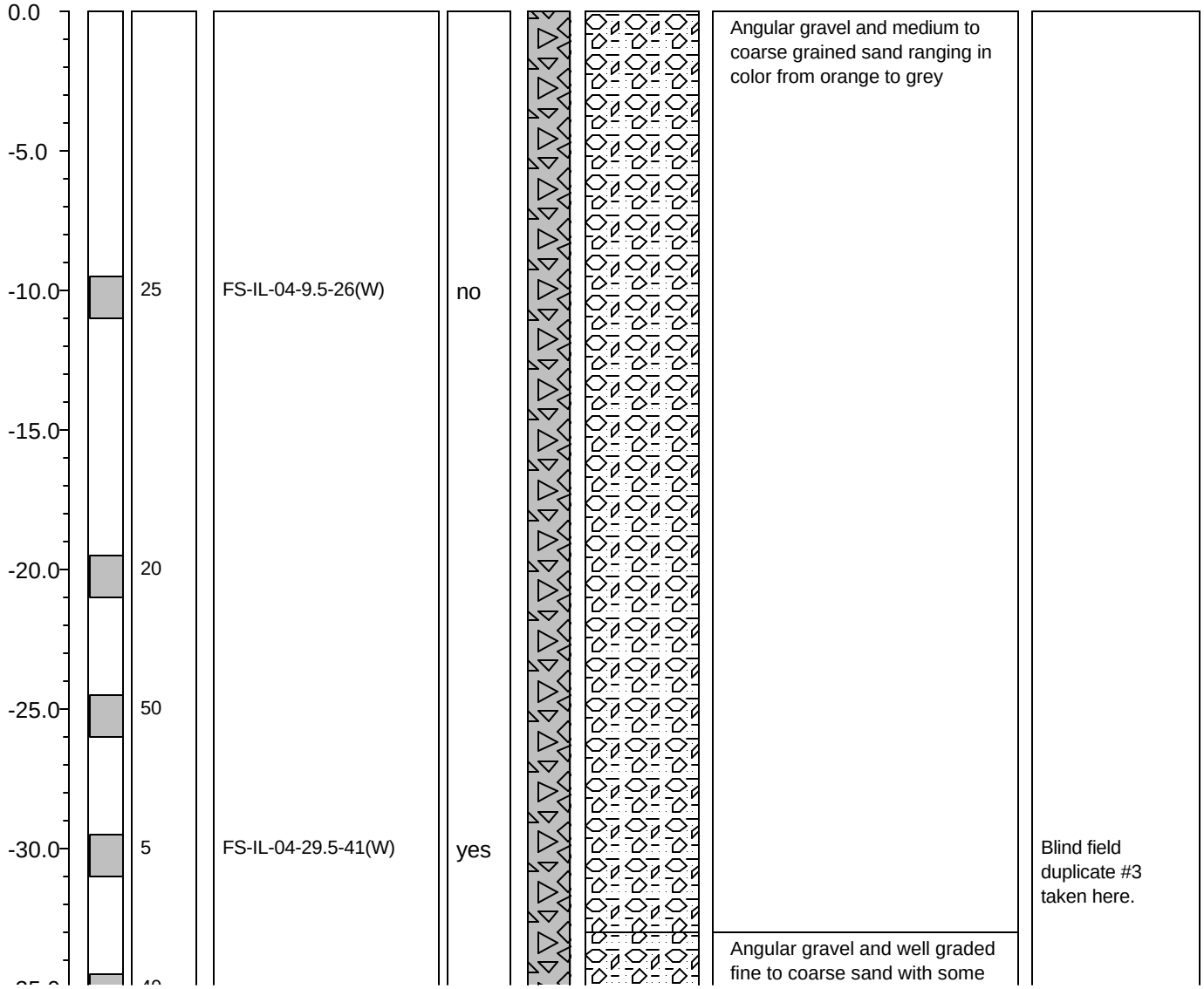
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/8/00

TOTAL DEPTH (bgs): 65.5'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-04

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: North end of waste rock dump on adit #1

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-04

TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/8/00

TOTAL DEPTH (bgs): 65.5'

DEPTH (ft)	SAMPLE INTERVAL	% RECOVERY	SAMPLE NAME	SAMPLE TO LAB	WASTE ROCK/ NATIVE INTERVAL	LITHOLOGY	COMMENTS
-35.0		40				cobbles, brownish-orange.	
-40.0		50					
			FS-IL-04-42-43(N)	no		Angular gravel and sand ranging in color from green to grey. Slightly more silty with rounded gravels than above.	
			FS-IL-04-43-44(N)	no			
-45.0		30	FS-IL-04-44.5-46(N)	no			
-50.0		35	FS-IL-04-49.5-51(N)	no			
-55.0		45	FS-IL-04-54.5-56(N)	no			
-60.0		40	FS-IL-04-59.5-61(N)	no			
-65.0		60	FS-IL-04-64.5-65.5(N)	no			

Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-04

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: South side of 'tailings covered by shale'

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-06

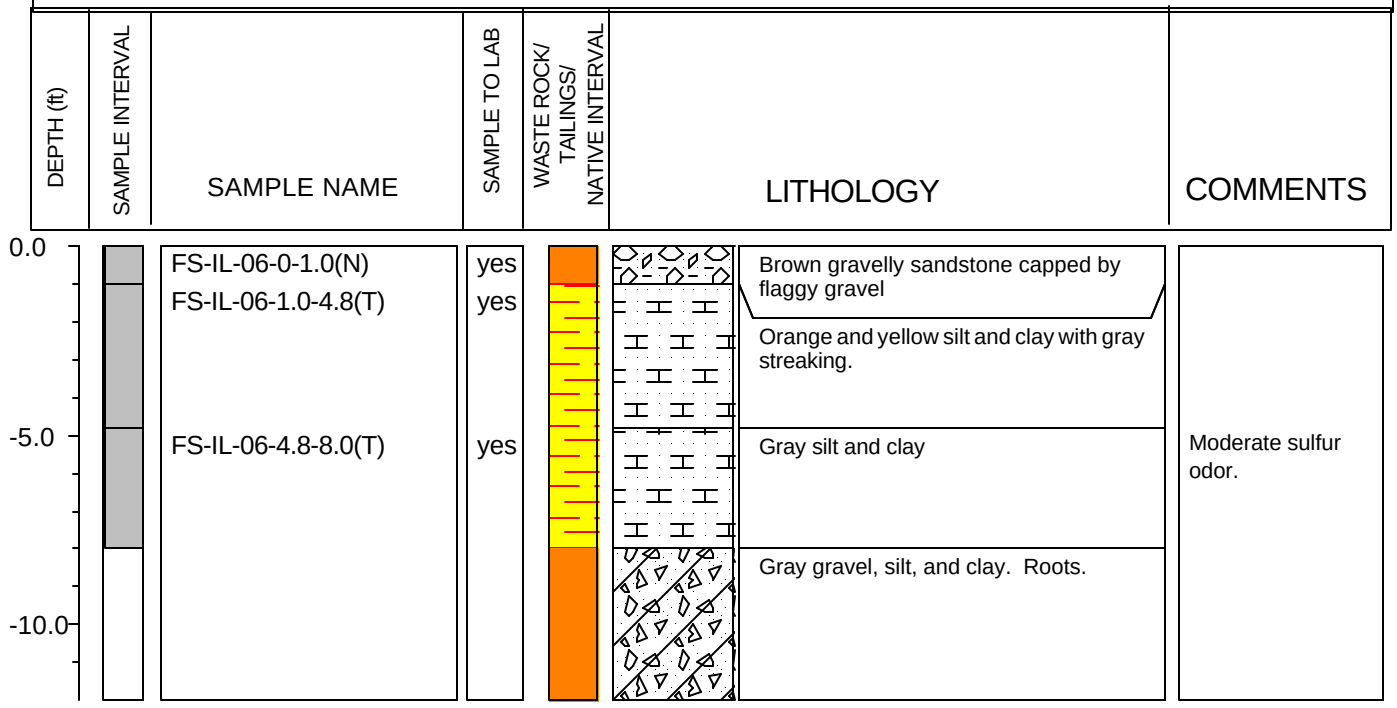
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 12'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-06

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: South of FS-IL-06, inside berm

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-08

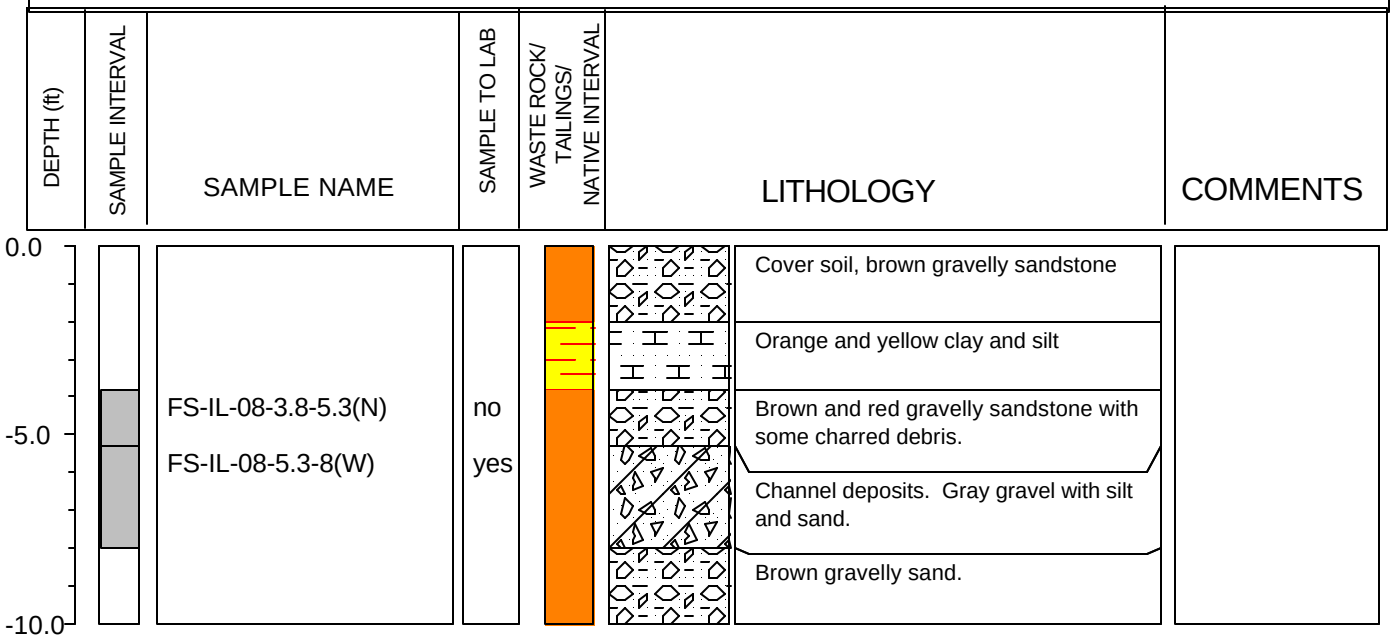
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 10'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-08

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: N. side of 'tailings covered by shale'.

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-09

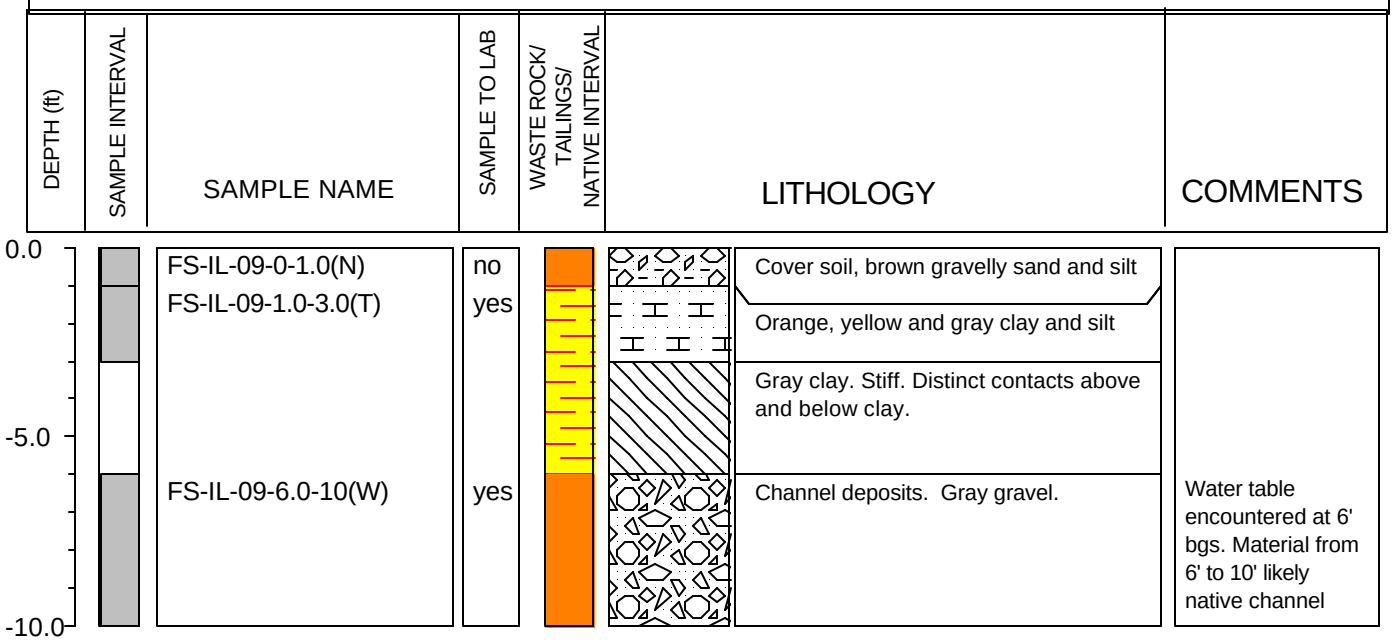
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): 6'

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 10'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-09

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: On bench below and south of burnt mill

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-10

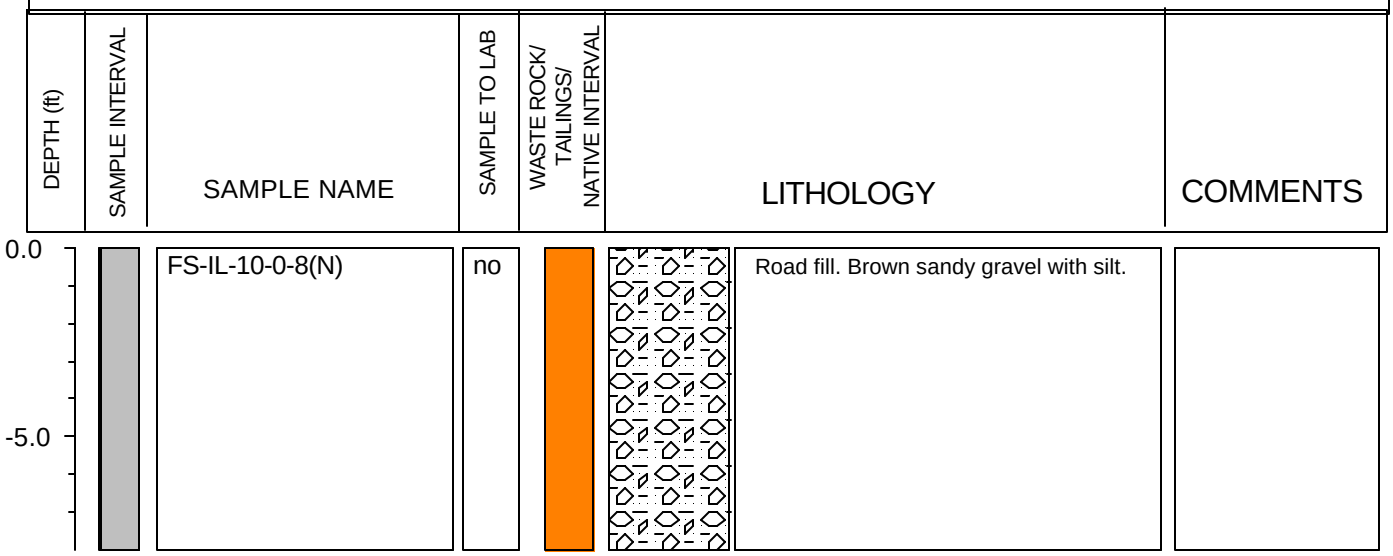
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 8'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-10

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: In depression on W. side of road.

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-11

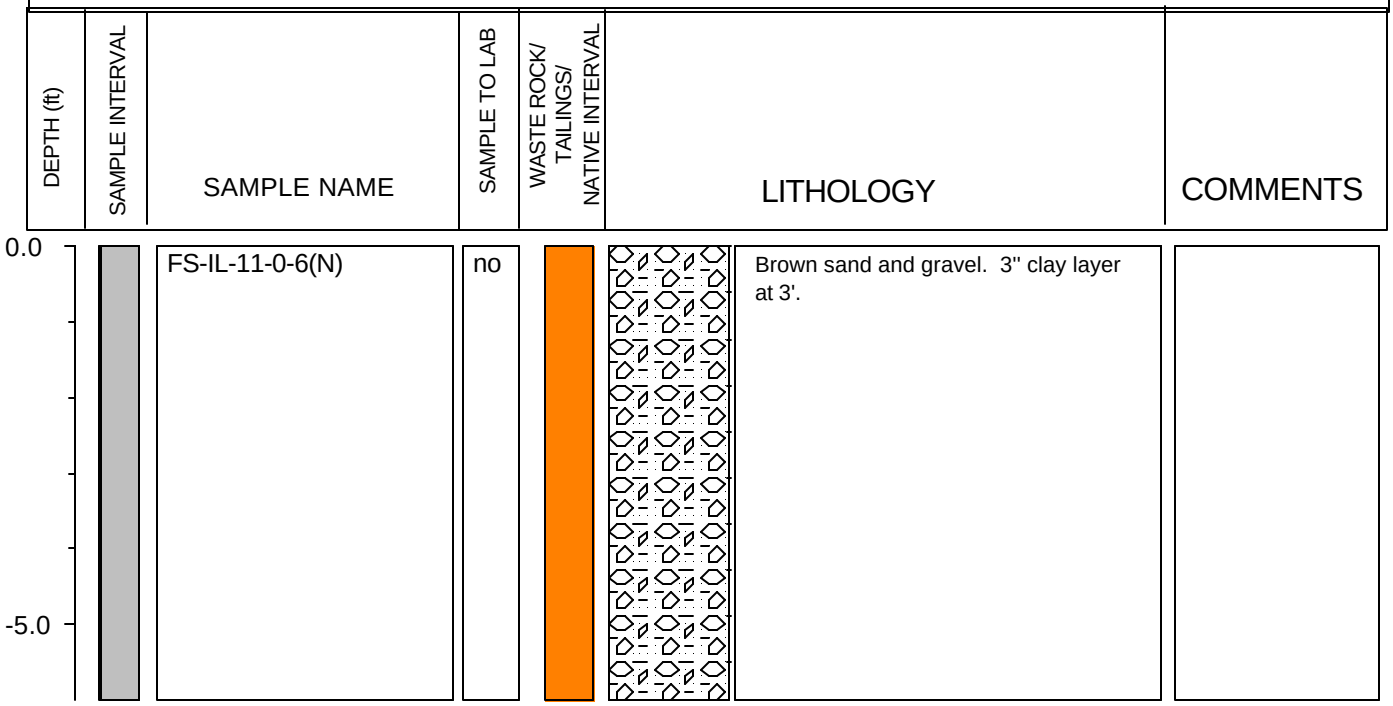
TOWNSHIP RANGE SECTION: T53N R1W Sec 26

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/6/00

COMPLETED: 11/6/00

TOTAL DEPTH (bgs): 6'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-11

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: North side of tailings pond.

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-12

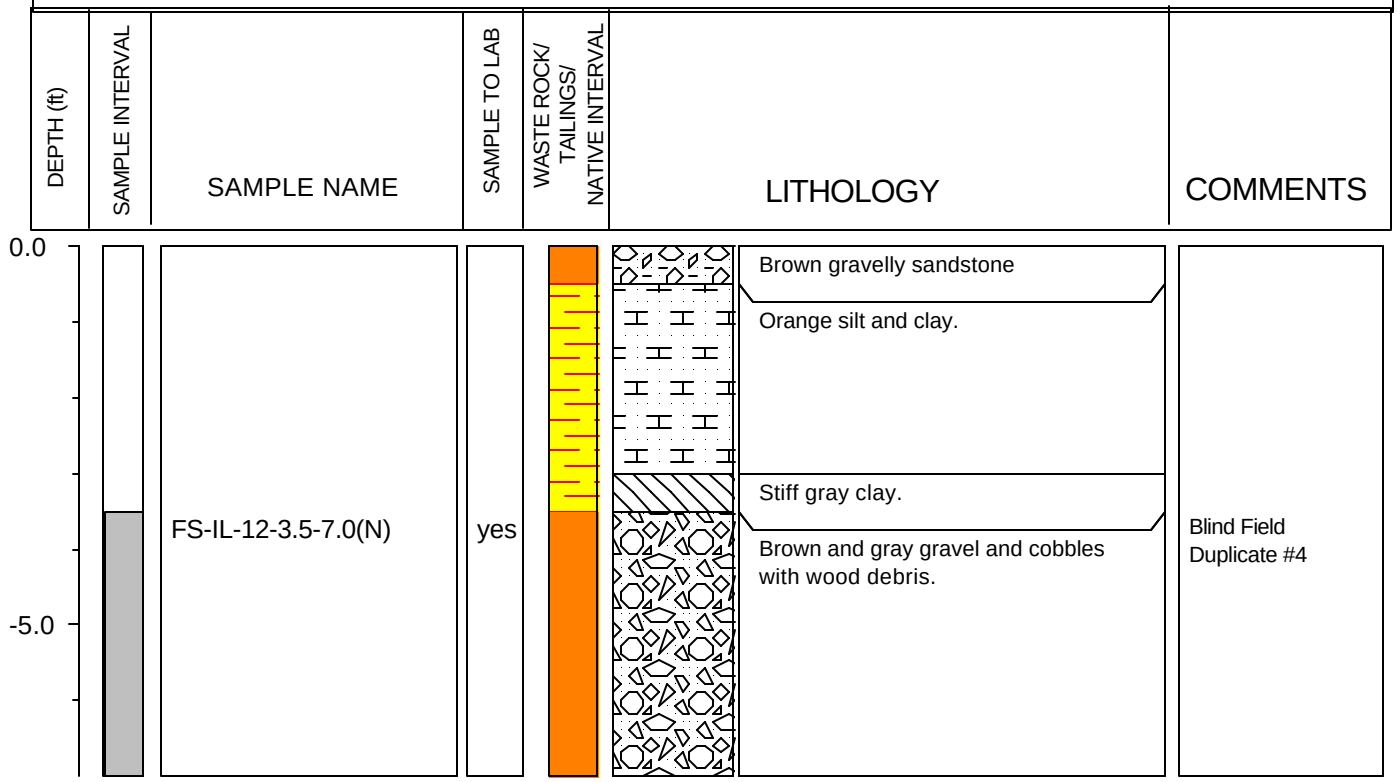
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 7'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-12

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: 20' Northeast of FS-IL-01

DRILL TYPE: Casing Advance

DRILLED BY: Ruen / Randy

LOGGED BY: Jerry Armstrong

REMARKS: bgs = below ground surface

BORING NUMBER: FS-IL-13

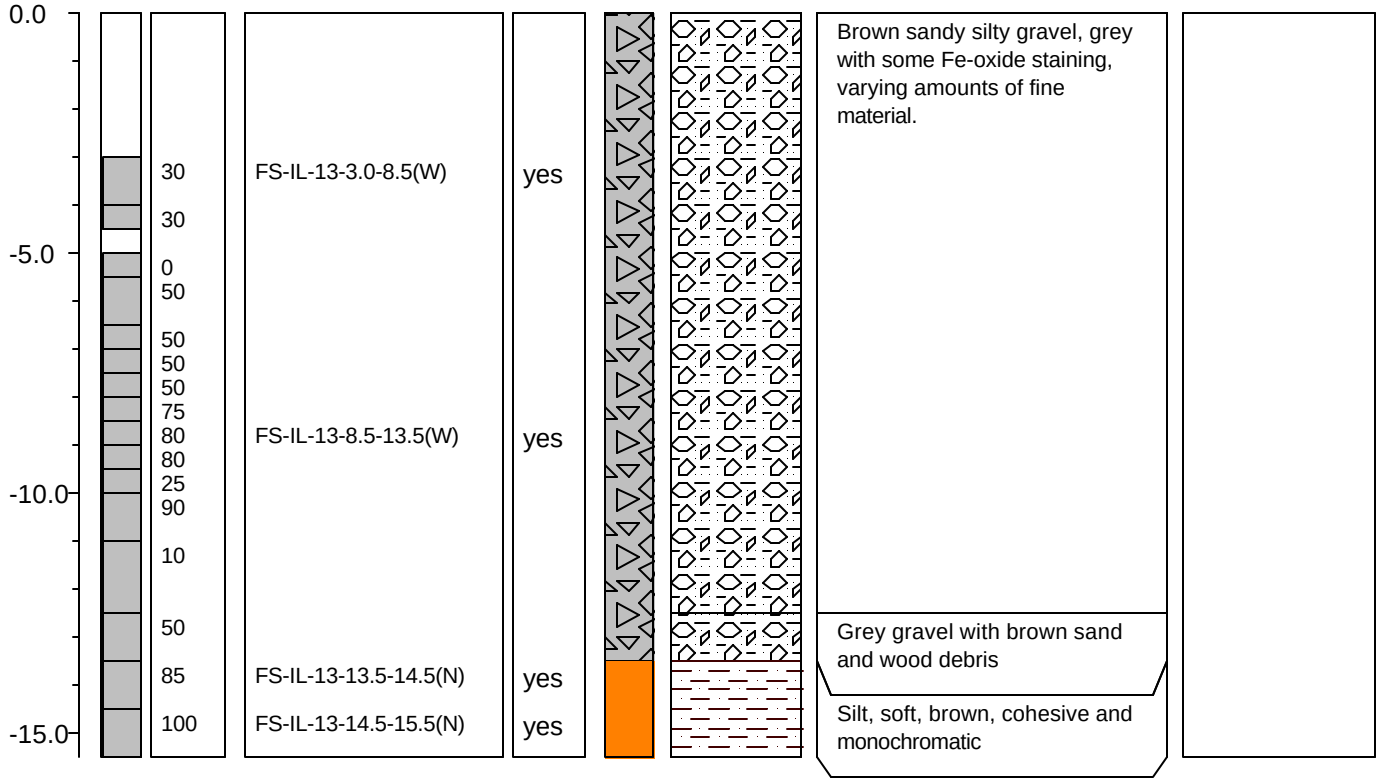
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 15.5'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	FS-IL-13

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: Northern toe of upper dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-14

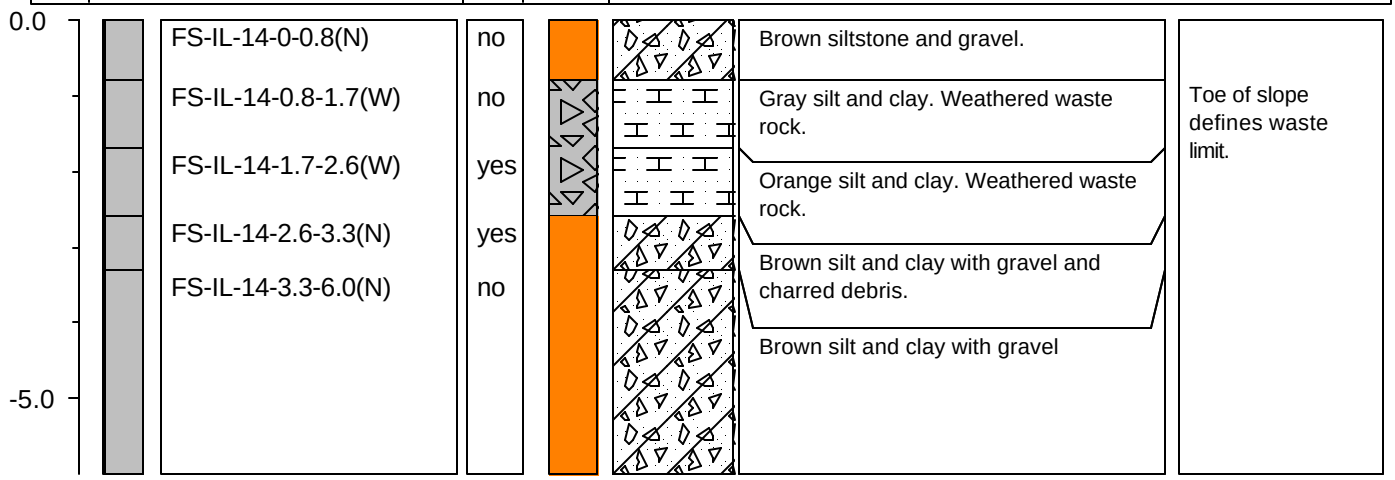
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 6'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-14

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: Northern toe of upper dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-14

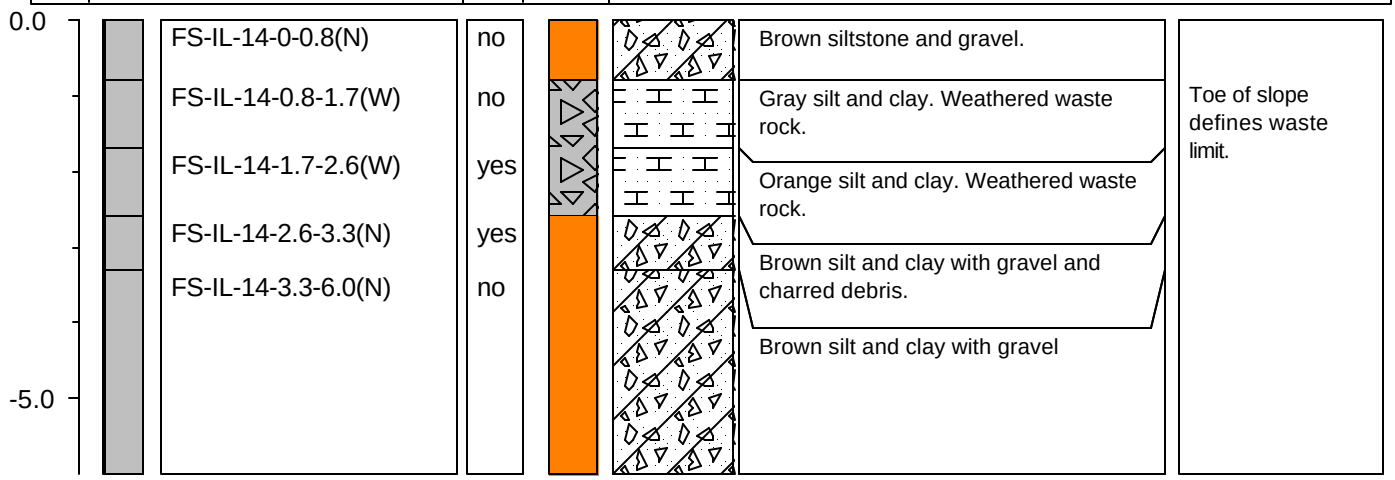
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 6'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-14

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: East side of upper dump

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-15

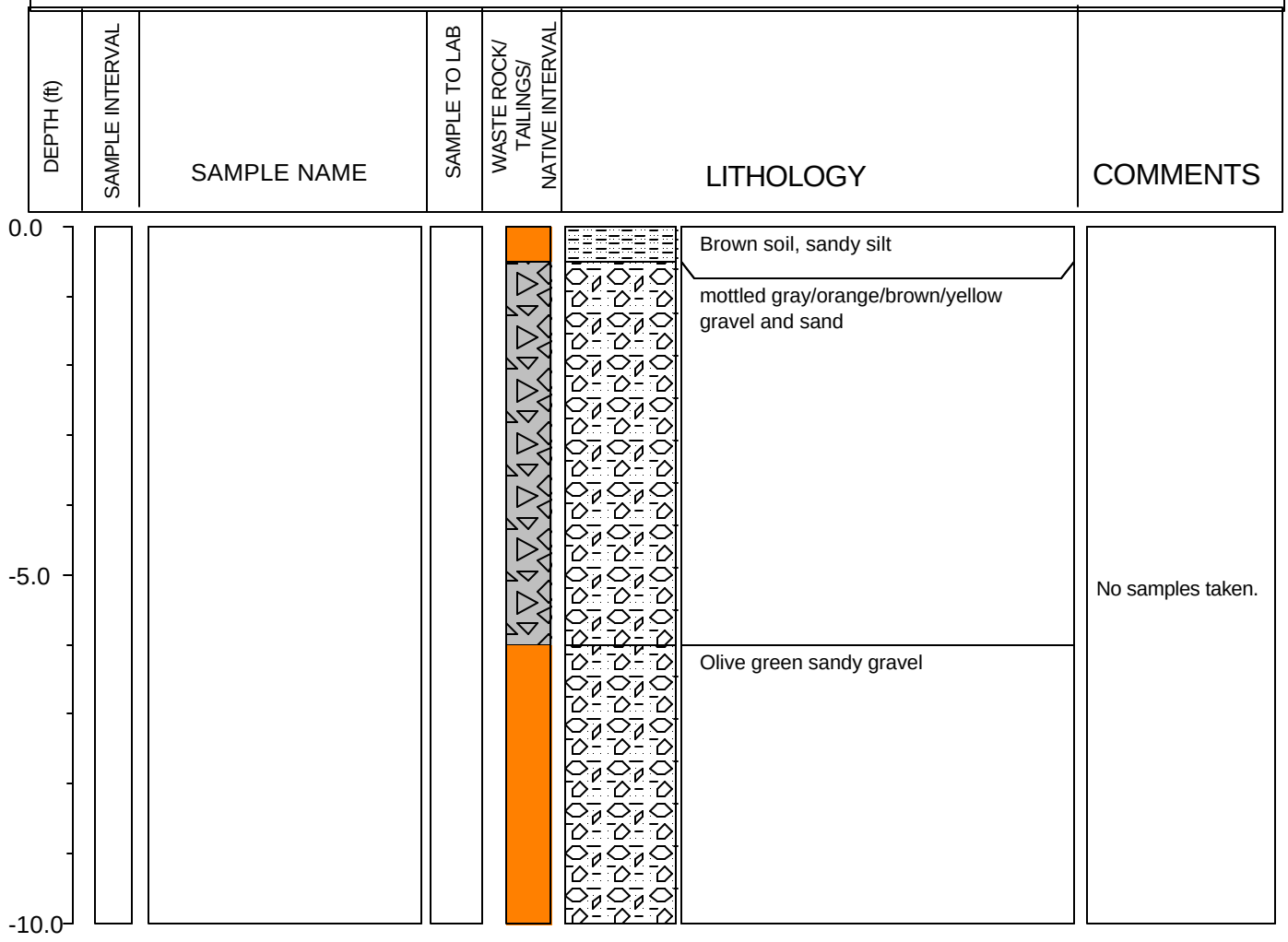
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 6'



Sampled Interval | Waste Rock | Native Material | Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-15

PROJECT NAME: Gold Creek USFS (Idaho Lakeview Mine)

LOCATION: 10 feet south of FS-IL-08

DRILL TYPE: Backhoe Test Pit

DRILLED BY: Ruen

LOGGED BY: Gavin Hudgeons - Maxim

REMARKS: bgs = below ground surface

TEST PIT NUMBER: FS-IL-16

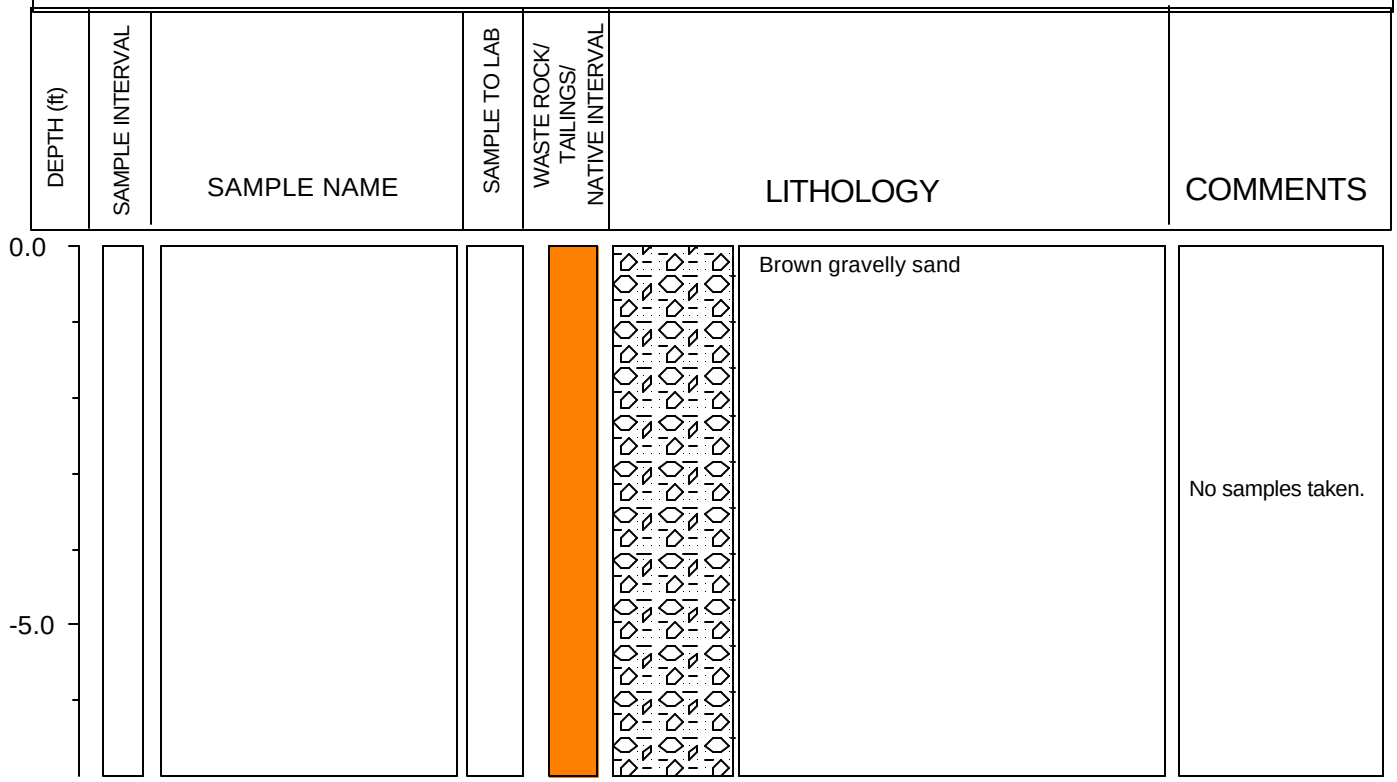
TOWNSHIP RANGE SECTION: T53N R1W Sec 28

GROUNDWATER (ft): Groundwater not encountered

DATE: HOLE STARTED: 11/7/00

COMPLETED: 11/7/00

TOTAL DEPTH (bgs): 7'



Sampled Interval Waste Rock Native Material Tailings

2009168	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY TEST PIT	FS-IL-16

Appendix D

Selected Photographs



MAXIM Technologies Inc•



FS-CM-15



FS-CM-16



FS-CM-20



FS-CM-23



FS-CM-22

Test Pit Photographs
Conjecture Mine
Characterization Report
Idaho Panhandle National Forests



FS-CM-29



FS-CM-27



Spider Hoe



FS-CM-17



Spider Hoe

Test Pit Photographs
Conjecture Mine
Characterization Report
Idaho Panhandle National Forests



FS-NR-03



FS-NR-04

Test Pit Photographs
New Rainbow Mine
Characterization Report
Idaho Panhandle National Forests



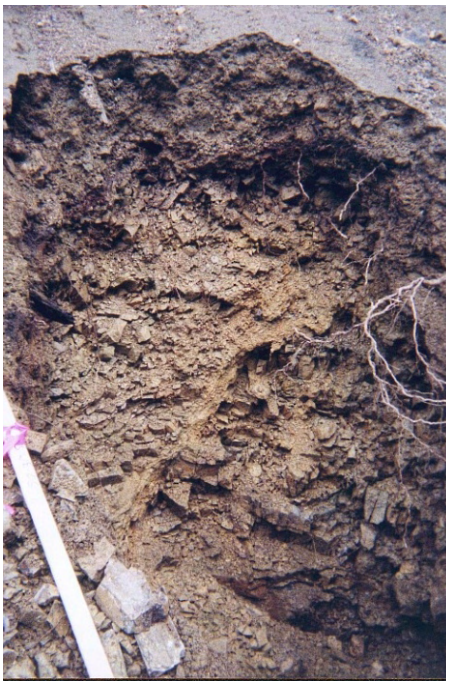
FS-WE-10



FS-WE-04



FS-WE-08



FS-WE-06



FS-WE-09



FS-WE-07

Test Pit Photographs
Weber Mine Open Pit
Characterization Report
Idaho Panhandle National Forests



FS-WE-15



FS-WE-16



FS-WE-04



FS-WE-10



FS-WE-13

Test Pit Photographs
Weber Mine Open Pit
Characterization Report
Idaho Panhandle National Forests



FS-KC-11



FS-KC-09



FS-KC-08



FS-KC-07



FS-KC-10



FS-KC-10 & 11

Test Pit Photographs
Keep Cool Mine
Characterization Report
Idaho Panhandle National Forests



Digging FS-KC-04



FS-KC-01



FS-KC-12



FS-KC-06



FS-KC-03



FS-KC-02

Test Pit Photographs
Keep Cool Mine
Characterization Report
Idaho Panhandle National Forests



FS-IL-20



FS-IL-22



FS-IL-18



FS-IL-19



FS-IL-17



FS-IL-21

project/usfs/goldcreek/ilphotos



FS-IL-23

Test Pit Photographs
Idaho Lakeview Mine
Characterization Report
Idaho Panhandle National Forests



View of Northwest Mound



View of Northwest Mound



Campfire on Tailings



View North from South end of Tailings



FS-IL-09

Test Pit Photographs
Idaho Lakeview Mine
Characterization Report
Idaho Panhandle National Forests



FS-CG-19



FS-CG-18



FS-CG-21



FS-CG-23



FS-CG-22



FS-CG-20



FS-CG-16

Test Pit Photographs
Chloride Gulch
Characterization Report
Idaho Panhandle National Forests

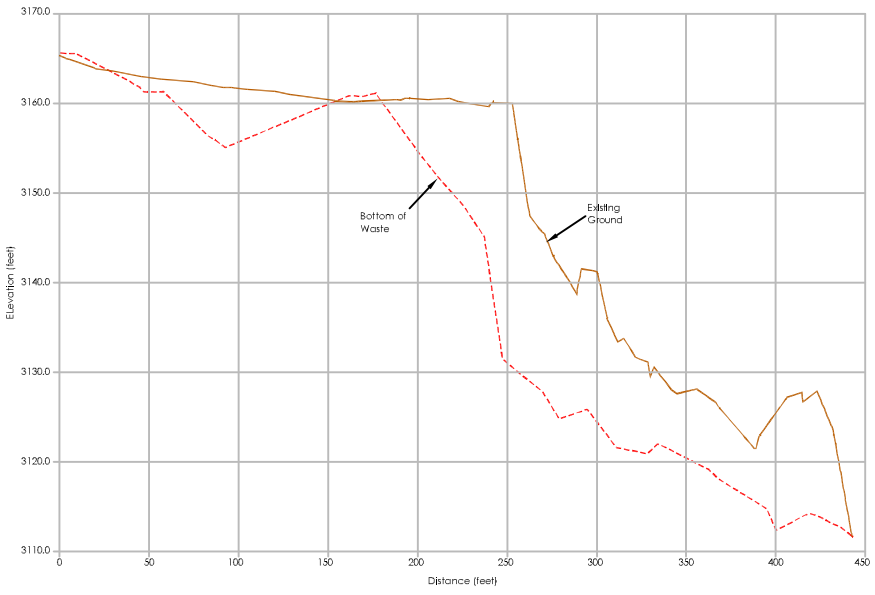
Appendix E

Plates

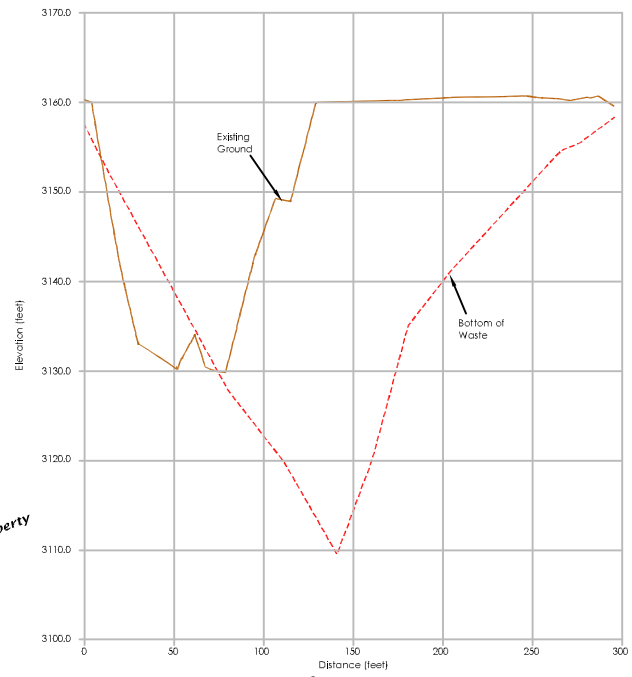
Conjecture Mine - Figure 3
New Rainbow Mine - Figure 4
Weber Mine - Figure 5
Keep Cool Mine - Figure 6
Idaho Lakeview Mine - Figure 7
Chloride Gulch - Figure 8

CONJECTURE MINE - NORTH DUMP
Prismoidal Volume Results

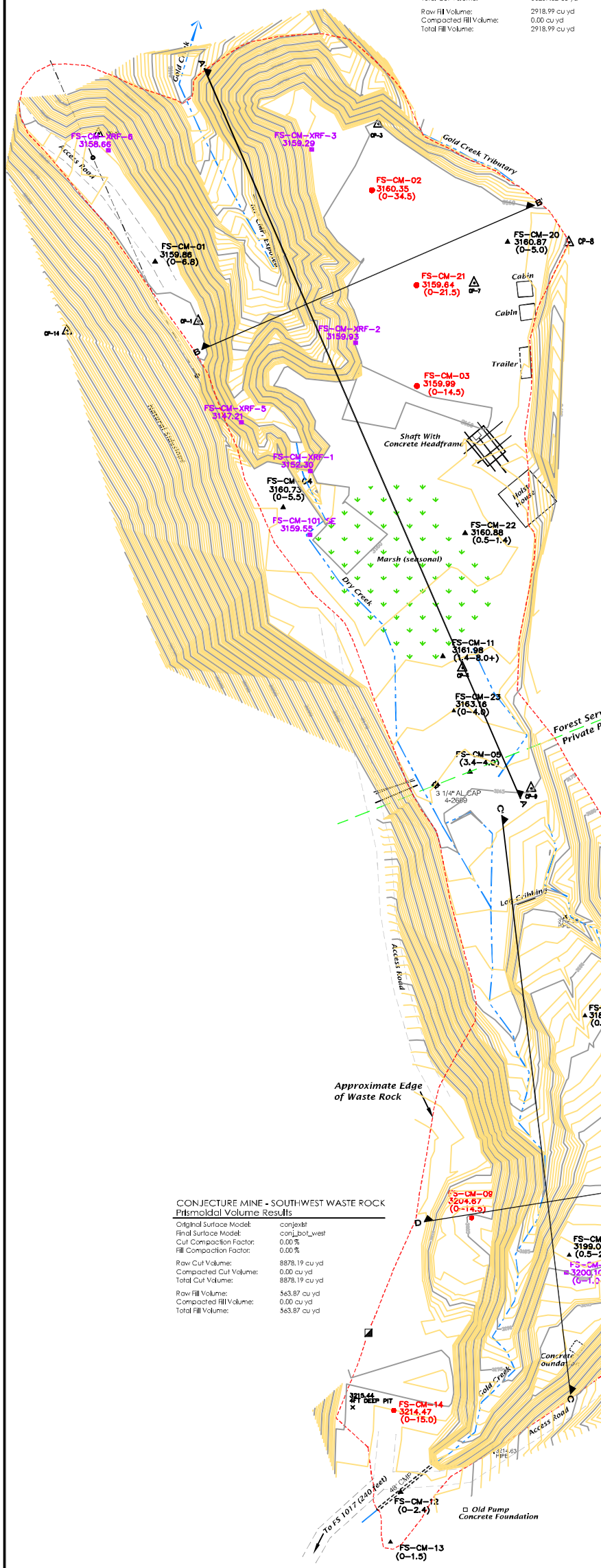
Original Surface Model:	conjexist
Final Surface Model:	conj_nwaste_bot_new
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	55239.62 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	55239.62 cu yd
Raw Fill Volume:	2918.99 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	2918.99 cu yd



Section A-A'
Horizontal Scale: 1" = 50 Feet
Vertical Scale: 1" = 10 Feet



Section B-B'
Horizontal Scale: 1" = 50 Feet
Vertical Scale: 1" = 10 Feet



CONJECTURE MINE - SOUTHWEST WASTE ROCK
Prismoidal Volume Results

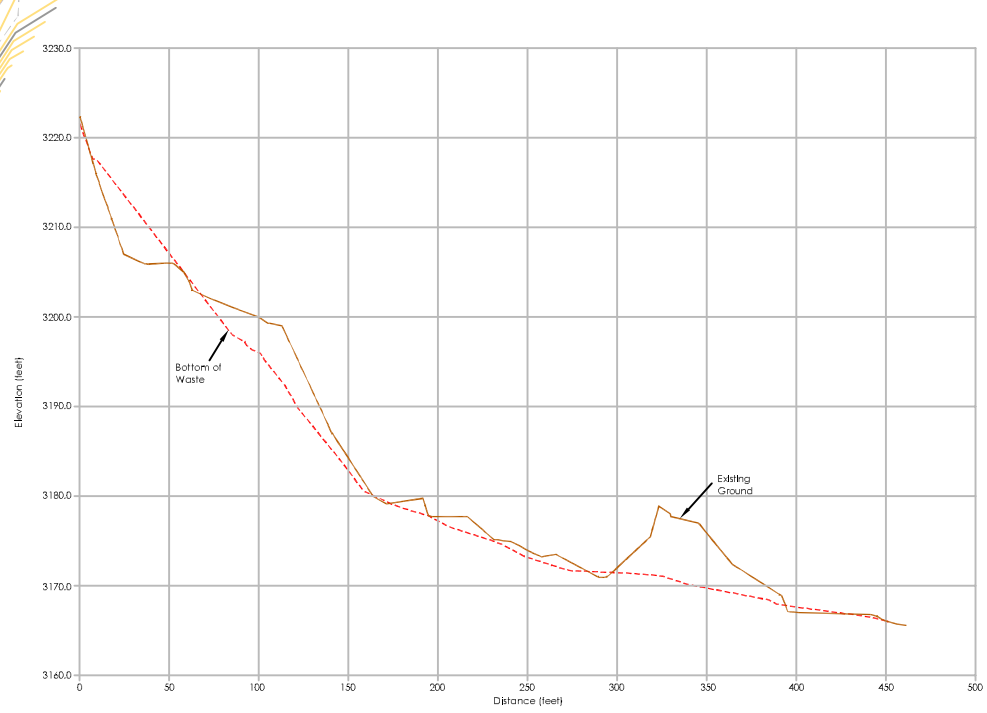
Original Surface Model:	conjexist
Final Surface Model:	conj_bot_west
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	8878.19 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	8878.19 cu yd
Raw Fill Volume:	563.87 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	563.87 cu yd

CONJECTURE MINE - SOUTHEAST WASTE ROCK
Prismoidal Volume Results

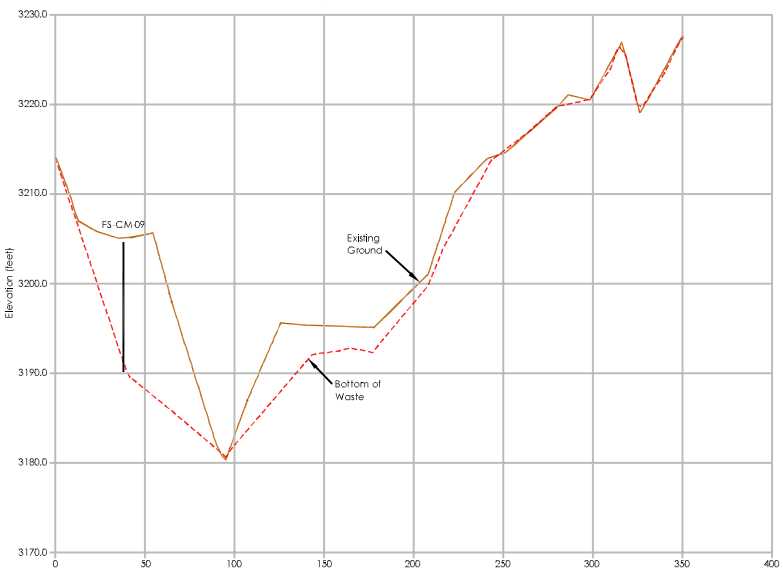
Original Surface Model:	conjexist
Final Surface Model:	conj_east_bot
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	3616.36 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	3616.36 cu yd
Raw Fill Volume:	491.77 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	491.77 cu yd

CONJECTURE MINE - MID-SOUTH WASTE ROCK
Prismoidal Volume Results

Original Surface Model:	conjexist
Final Surface Model:	conj_mid_bot
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	14507.50 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	14507.50 cu yd
Raw Fill Volume:	1041.70 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	1041.70 cu yd



Section C-C'
Horizontal Scale: 1" = 50 Feet
Vertical Scale: 1" = 10 Feet



Section D-D'
Horizontal Scale: 1" = 50 Feet
Vertical Scale: 1" = 10 Feet

NOTE: THERE ARE TWO PIPES RUNNING THOUGHT THE SITE A 4" AND A 2" CAST IRON

LEGEND

- Hand Sample Location
- Drill Hole Sample Location
- Test Pit Sample Location
- USFS Aluminum Cap
- Caved/Collapsed Adit
- Caved/Collapsed Shaft
- Open Shaft
- Seep
- Creek

FS-IL-03 — Sample Number
3165.32 — Ground Surface Elevation At Sample Point (feet)
(0 – 7.0+) — Waste Rock Interval (feet below ground surface)
Ell & Associates Control Point

NOTE: Survey performed by Ell & Associates Inc., November 2000 and June 2001, Contour Interval - 1 Feet

Topography north of USFS Boundary determined by Pioneer Technical Services, Inc. In 1996.

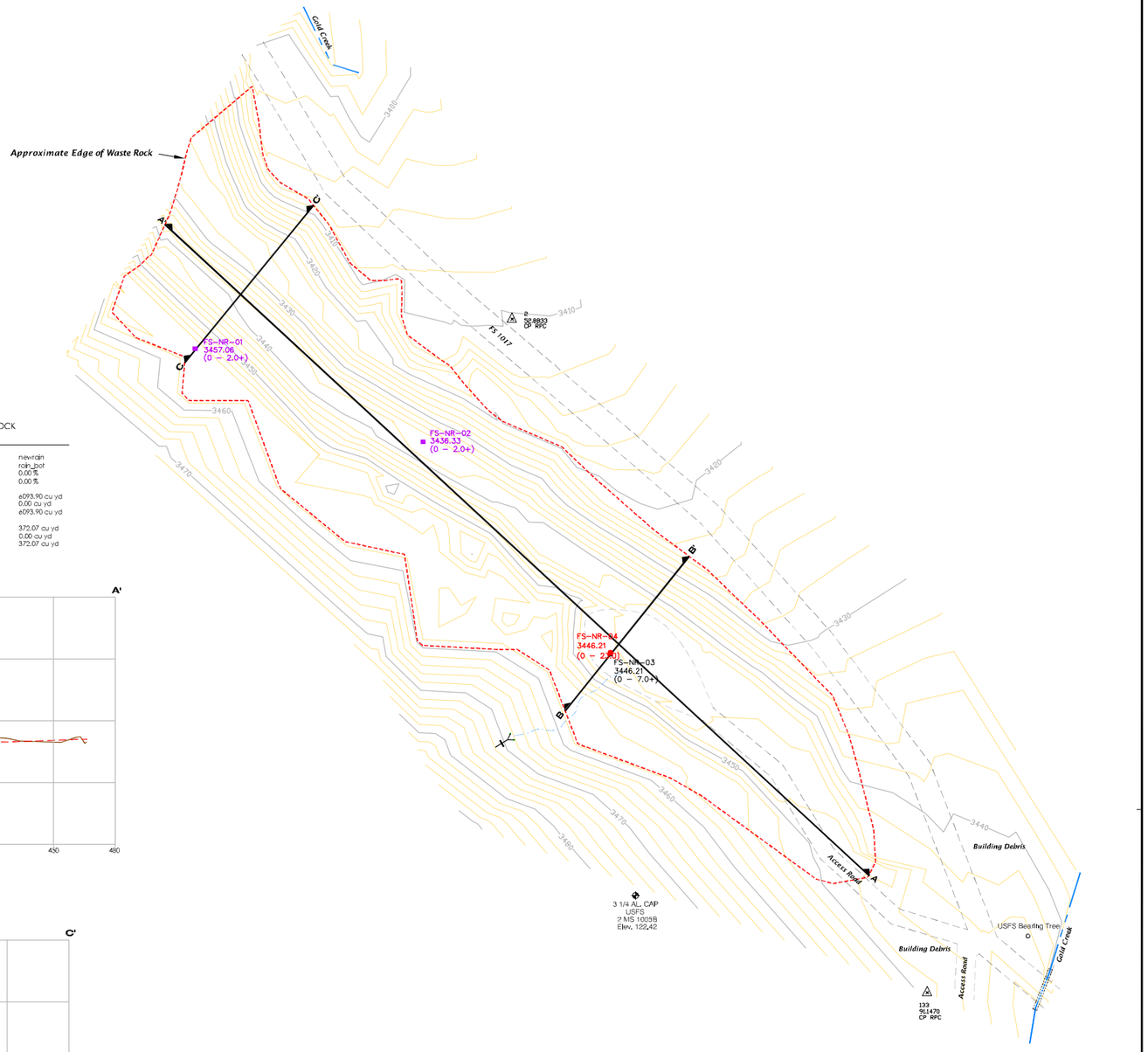
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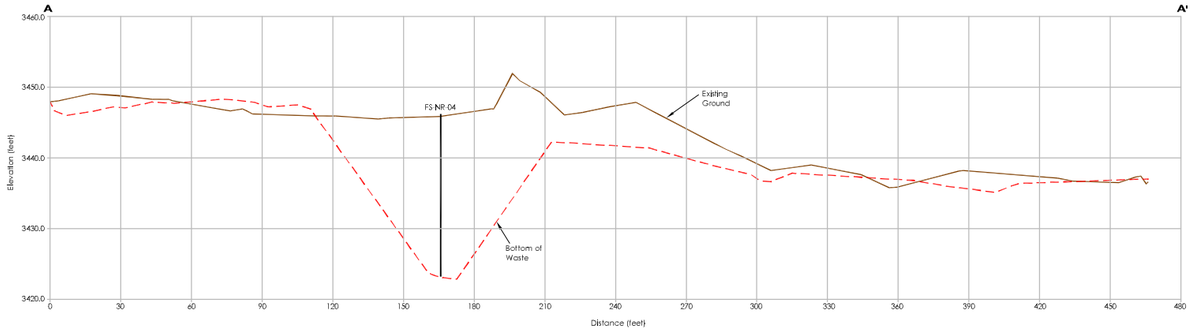
0 Feet 100

REV	DATE	DESCRIPTION	DRN BY	APP BY

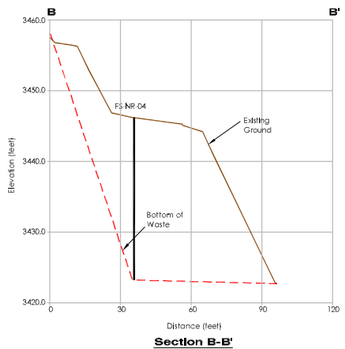
Date: August 2001	Project Title: Mine Waste Characterization and Repository Evaluation Kanisku National Forest Bonner County, Idaho
Project #: 2009168	
File: environmental\goldcreek\cadpro\conject.dwg	
Sheet: 1 of 1	Sheet Title: Site Plan Conjecture Mine FIGURE 3

MAXIM TECHNOLOGIES INC

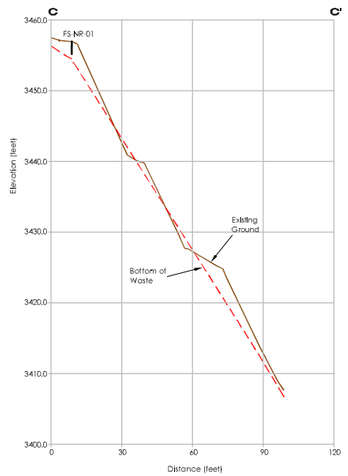




Section A-A'
Horizontal Scale: 1" = 30 Feet
Vertical Scale: 1" = 10 Feet



Section B-B'



Section C-C'

NEW RAINBOW MINE - WASTE ROCK
Prismoidal Volume Results

Original Surface Model:	newrain
Final Surface Model:	rain_bot
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	6093.90 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	6093.90 cu yd
Raw Fill Volume:	372.07 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	372.07 cu yd

LEGEND

- Hand Sample Location
- Drill Hole Sample Location
- Test Pit Sample Location
- USFS Aluminum Cap
- Caved/Collapsed Adit
- Seep
- Creek

FS-IL-03 Sample Number
3446.21 Ground Surface Elevation At Sample Point (feet)
(0 – 7.0+) Waste Rock Interval (feet below ground surface)

- Ell & Associates Control Point

NOTE: Survey Performed by Ell & Associates Inc., November 2000
Contour Interval - 2 Feet

REV	DATE	DESCRIPTION	DRN BY	APP BY

Date: February 2001	Project Title: Mine Waste Characterization and Repository Evaluation Kaniksu National Forest Bonner County, Idaho
Project #: 2009168	
File: envlironmental\gold creek\cadpro\newrailnbo.dwg	
Sheet: 1 of 1	Sheet Title: Site Plan New Rainbow MIne FIGURE 4

MAXIM TECHNOLOGIES INC

Approximate Edge of Waste Rock - 1
AREA
1350 cu. yds.

FS-WE-15
428.35
(0-2.5)

FS-WE-16
420.85
(0-2.0)

Approximate Edge of Waste Rock-2

Cabin

FS-WE-09
210.87
(0-7.0)

FS 1017

FS-WE-08
219.54
(0-0.7)

FS-WE-06
211.46
(0-2.0)

FS-WE-SEEP (SW)

FS-WE-05
220.61
(0-3.5)

FS-WE-03
203.06
(0-16.5)

FS-WE-12
202.37
(0-29.9)

FS-WE-COREHOLE-1
223.19
(0)

FS-WE-07
201.05
(0-8.0+)

1"41 AL CAP
3 1/4" AL CAP

FS-WE-02
199.64
(0-20.5+)

FS-WE-14
200.07
(0-51.0)

Road

Private Property
Forest Service Property

24" CMP

FS-WE-01
198.82
(0-45.0)

FS-WE-13
210.08
(0-5.0)

Gold Creek

FS-WE-11
183.69
(0)

FS-WE-21
172.28
(0)

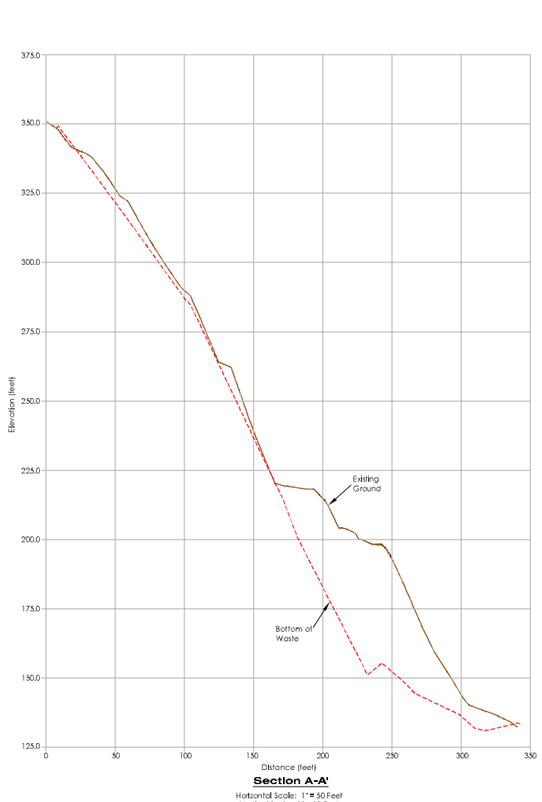
FS-WE-04
161.34
(0-10.0)

FS 1017

24" CMP

FS-WE-10
169.82
(0-3.0)

Approximate Edge of Waste Rock - 3
AREA
3608 cu. yds.



Section A-A'
Horizontal Scale: 1" = 50 Feet
Vertical Scale: 1" = 10 Feet

WEBER MINE - WASTE ROCK VOLUME - 2
Prismoidal Volume Results

Original Surface Model:	weber_exist
Final Surface Model:	weber_bot
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	71506.27 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	71506.27 cu yd
Raw Fill Volume:	759.05 cu yd
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	759.05 cu yd

LEGEND

- Hand Sample Location
- Drill Hole Sample Location
- Test Pit Sample Location
- USFS Aluminum Cap
- Caved/Collapsed Adit
- Caved/Collapsed Shaft
- Open Shaft
- Seep
- Creek
- Surface/ Ground Water Sample Location

FS-WE-03 — Sample Number
88.63 — Ground Surface Elevation At Sample Point (feet) Relative to Local Benchmark
(0 - 7.0 +) — Waste Rock Interval (feet below ground surface)

NOTE: Survey performed by Dll & Associates Inc., June 2001
Contour Interval - 2 Feet

N
0 Feet 100

REV	DATE	DESCRIPTION	DRN BY	APP BY

Date: July 2001
Project #: 2009168
File: environmental\goldcreek\weber mine.dwg
Sheet: 1 of 1

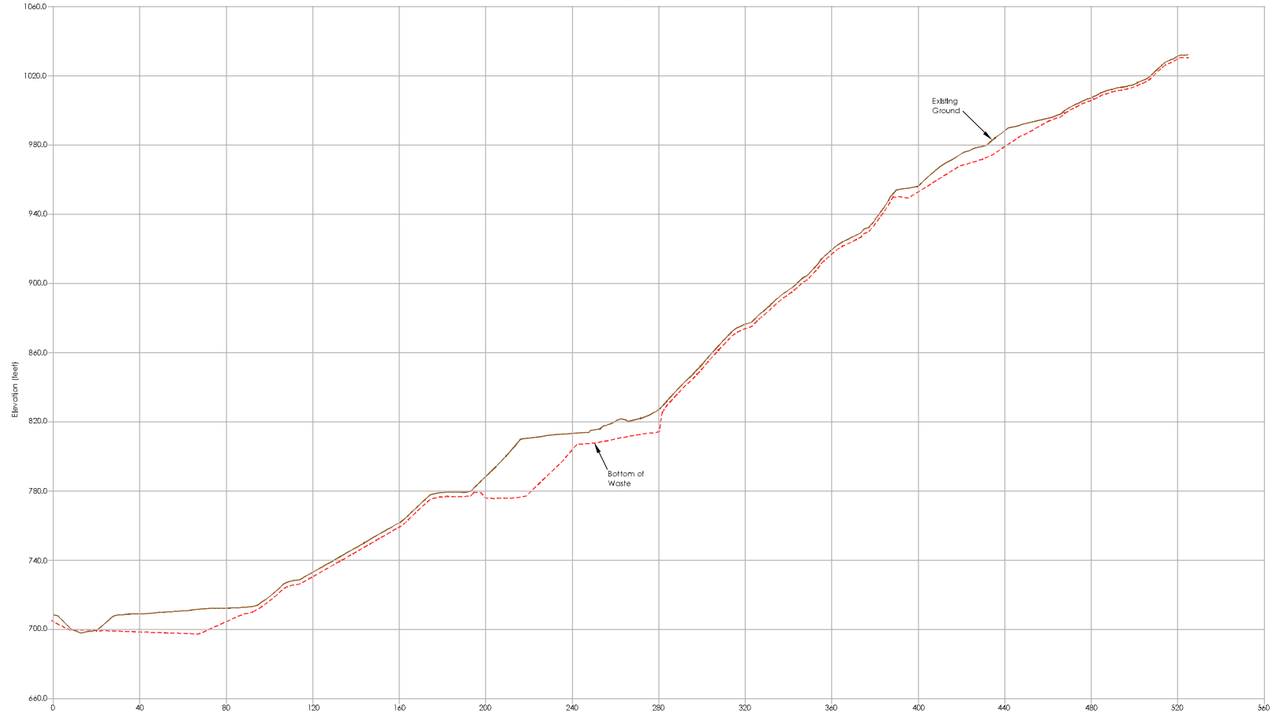
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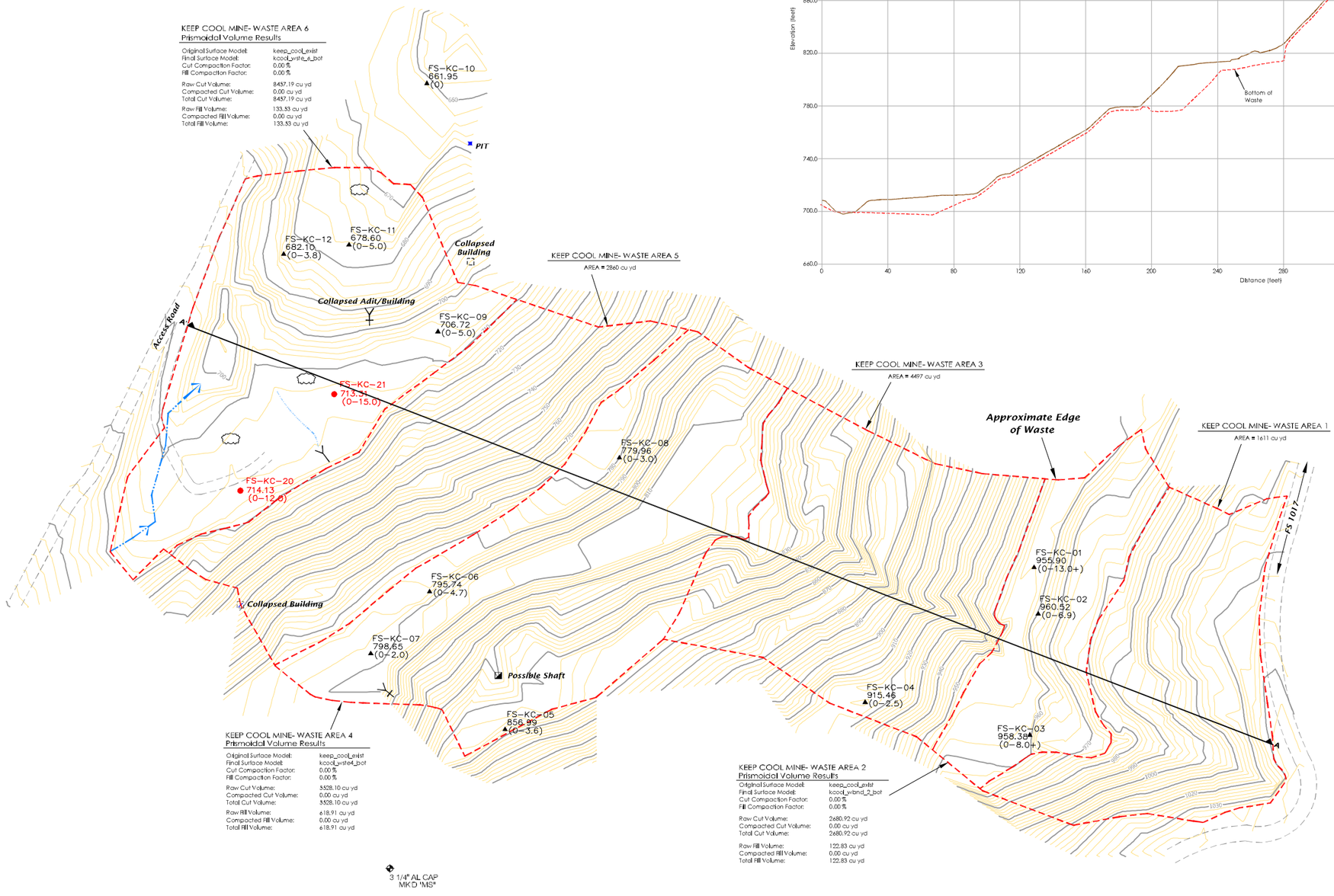
Project Title: Mine Waste Characterization and Repository Evaluation
Kaniksu National Forest
Bonner County, Idaho

Sheet Title: Site Plan
Weber Mine
FIGURE 5

Section A-A'

Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 40 Feet





LEGEND

- Hand Sample Location
- Drill Hole Sample Location
- Test Pit Sample Location
- USFS Aluminum Cap
- Caved/Collapsed Adit
- Open Adit
- Caved/Collapsed Shaft
- Open Shaft
- Seep
- Creek
- Slash Pile
- FS-HL-03 — Sample Number
- 88.63 — Ground Surface Elevation At Sample Point (feet) Relative to Local Benchmark
- (0 - 7.0+) — Waste Rock Interval (feet below ground surface)

NOTE: Survey performed by Eli & Associates Inc., June 2001
Contour Interval - 2 Feet

N

0 Feet 80

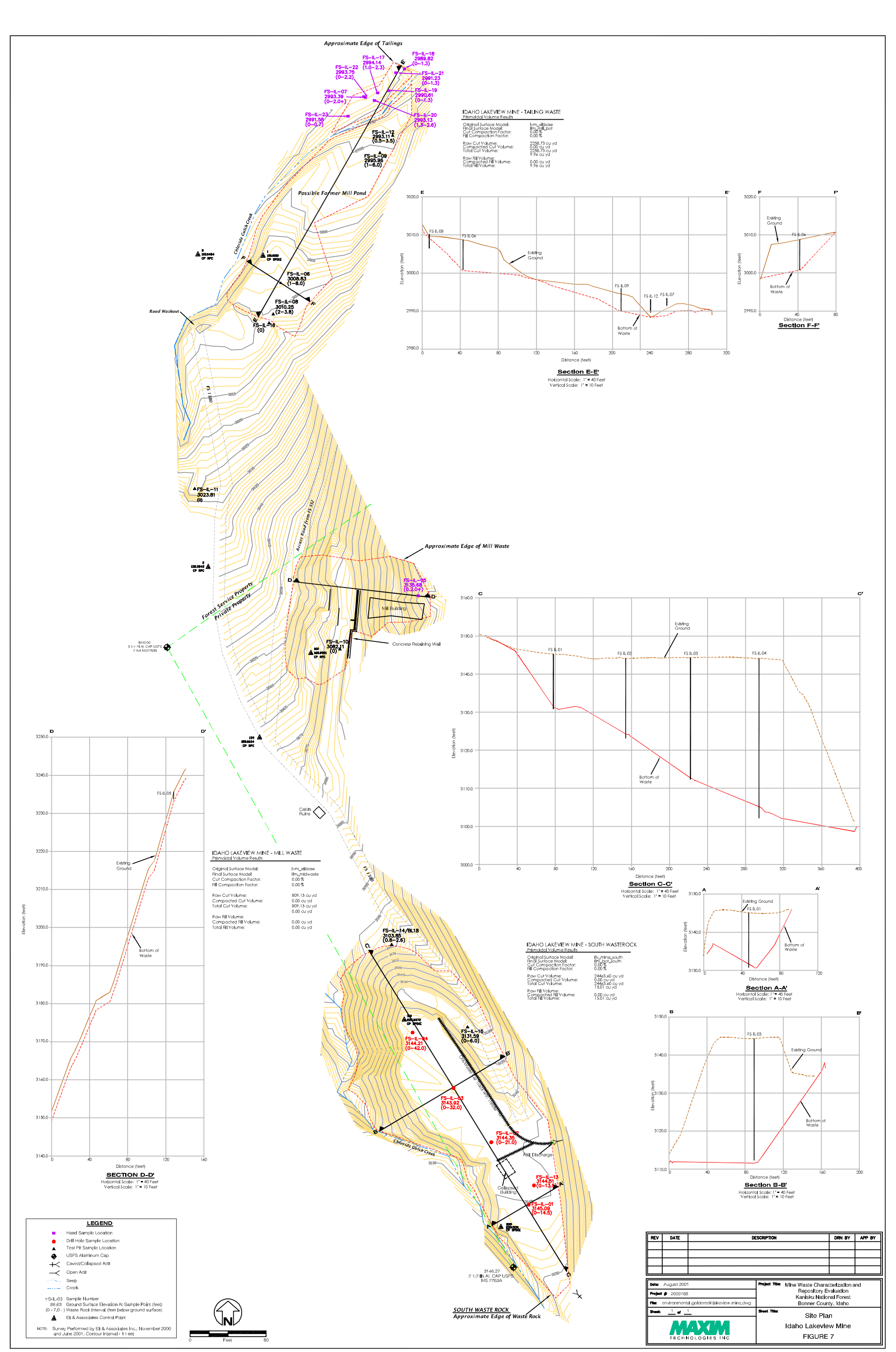
REV	DATE	DESCRIPTION	DRN BY	APP BY

Date: August, 2001
Project #: 2009168
File: environmental\goldcreek\keepcool mine.dwg
Sheet: 1 of 1

Project Title: Mine Waste Characterization and Repository Evaluation
Kaniksu National Forest
Bonner County, Idaho

Sheet Title:
Site Plan
Keep Cool Mine
FIGURE 6

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IDAHO LAKEVIEW MINE - TAILING WASTE
Prismoidal Volume Results

Original Surface Model:	lvm_ellbase
Final Surface Model:	tlm_tailll_bot
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	2258.73 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	2258.73 cu yd
	9.96 cu yd
Raw Fill Volume:	
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	9.96 cu yd

Section E-E'
Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 10 Feet

Section F-F'

Section C-C'
Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 10 Feet

Section A-A'
Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 10 Feet

Section B-B'
Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 10 Feet

SECTION D-D'
Horizontal Scale: 1" = 40 Feet
Vertical Scale: 1" = 10 Feet

IDAHO LAKEVIEW MINE - MILL WASTE
Prismoidal Volume Results

Original Surface Model:	lvm_ellbase
Final Surface Model:	tlm_mldwaste
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	809.15 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	809.15 cu yd
	0.00 cu yd
Raw Fill Volume:	
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	0.00 cu yd

IDAHO LAKEVIEW MINE - SOUTH WASTEROCK
Prismoidal Volume Results

Original Surface Model:	tlv_mine_south
Final Surface Model:	tlm_bot_south
Cut Compaction Factor:	0.00 %
Fill Compaction Factor:	0.00 %
Raw Cut Volume:	24463.60 cu yd
Compacted Cut Volume:	0.00 cu yd
Total Cut Volume:	24463.60 cu yd
	15.01 cu yd
Raw Fill Volume:	
Compacted Fill Volume:	0.00 cu yd
Total Fill Volume:	15.01 cu yd

LEGEND

- Hand Sample Location
- Drill Hole Sample Location
- Test Pit Sample Location
- USFS Aluminum Cap
- Caved/Collapsed Adit
- Open Adit
- Seep
- Creek

FS-IL-03 Sample Number
88.63 Ground Surface Elevation At Sample Point (feet)
(0 - 7.0+) Waste Rock Interval (feet below ground surface)

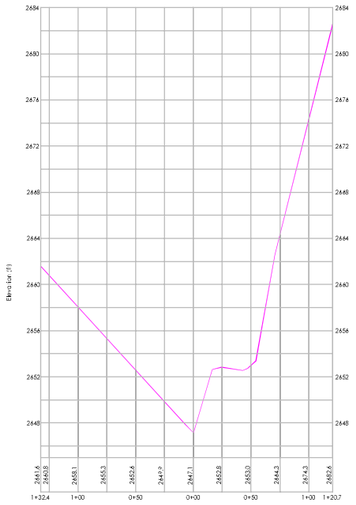
- Eli & Associates Control Point

NOTE: Survey Performed by Eli & Associates Inc., November 2000 and June 2001, Contour Interval - 1 Feet

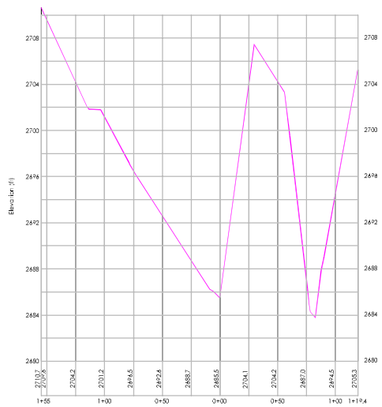
REV	DATE	DESCRIPTION	DRN BY	APP BY

Date: August 2001	Project Title: Mine Waste Characterization and Repository Evaluation Kaniksu National Forest Bonner County, Idaho
Project #: 2009168	
File: environmental.goldcreek\lakeview mine.dwg	
Sheet: 1 of 1	Sheet Title: Site Plan Idaho Lakeview Mine FIGURE 7

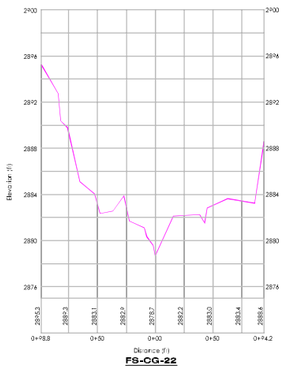
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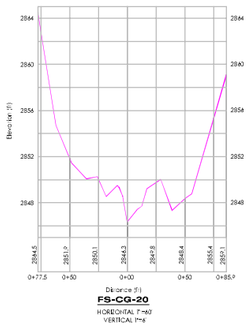
FS-CG-08
HORIZONTAL 1"=60'
VERTICAL 1"=6'



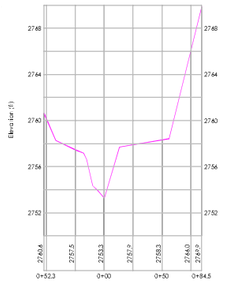
FS-CG-13
HORIZONTAL 1"=60'
VERTICAL 1"=6'



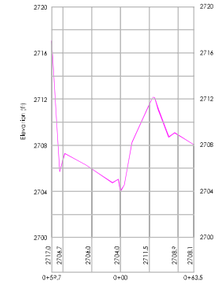
FS-CG-22
HORIZONTAL 1"=60'
VERTICAL 1"=6'



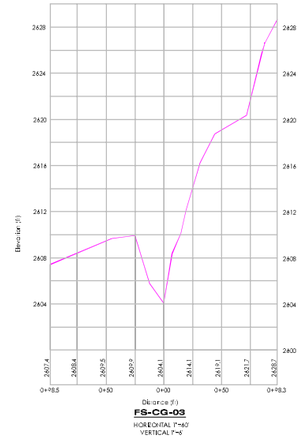
FS-CG-20
HORIZONTAL 1"=60'
VERTICAL 1"=6'



FS-CG-15
HORIZONTAL 1"=60'
VERTICAL 1"=6'



FS-CG-14
HORIZONTAL 1"=60'
VERTICAL 1"=6'



FS-CG-03
HORIZONTAL 1"=60'
VERTICAL 1"=6'

LEGEND

- Spot Elevation
- Cross Section Sample Location
- Sample Location
- USFS Aluminum Cap
- Pioneer Sample Site
- Exposed Tailings, Vegetated
- Seep
- Creek

HS-SL-03 Sample Number
2877.07 Ground Surface Elevation At Sample Point (feet)

NOTE: Locations for FS-CG-1,2,4,5,6,7,9,10,11,12,16,18,19, 21, and 23 estimated using "hip-chain" measurements along creek channel. All other sampling locations surveyed by Ell & Associates, Inc.

Sample site number FS-CG-17 not used

Survey performed by Ell & Associates Inc., June 2001

N

0 Feet 800

REV	DATE	DESCRIPTION	DRN BY	APP BY

Date: August, 2001
Project #: 2009168
File: environmental\goldcreek\chloridegulch.dwg
Sheet: 1 of 1

Project Title: Mine Waste Characterization and Repository Evaluation
Kaniksu National Forest
Bonner County, Idaho

Sheet Title:
Site Plan
Chloride Gulch
FIGURE 8

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