

Split Sample Monitoring for the Eagle Mine and Humboldt Mill
Superior Watershed Partnership
Community Environmental Monitoring Program

2017 Monitoring Results
May 7, 2018



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Eagle Mine - Groundwater Discharge Permit 2/6/17 (QAL051D)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	<50	< 100
Eagle Mine	Ammonia	mg/L	<0.020	< 0.20
Eagle Mine	Antimony	ug/L	<1.0	< 0.35
Eagle Mine	Arsenic	ug/L	5.0	4.1
Eagle Mine	Barium	ug/L	14	15
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	53	68
Eagle Mine	Boron	ug/L	<20	< 40
Eagle Mine	Cadmium	ug/L	<0.20	< 0.071
Eagle Mine	Calcium	mg/L	14	15
Eagle Mine	Chloride	mg/L	<1.0	6
Eagle Mine	Chromium	ug/L	<1.0	2.1
Eagle Mine	Cobalt	ug/L	<15	< 3.0
Eagle Mine	Copper	ug/L	1.1	< 2.2
Eagle Mine	Dissolved Oxygen	mg/L	3.4	3.43
Eagle Mine	Fluoride	mg/L	0.41	0.043
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.25	-
Eagle Mine	Iron	ug/L	<20	< 10
Eagle Mine	Lead	ug/L	<1.0	< 0.17
Eagle Mine	Lithium	ug/L	<8.0	< 30
Eagle Mine	Magnesium	mg/L	3.1	3.3
Eagle Mine	Manganese	ug/L	<5.0	1.8
Eagle Mine	Mercury	ng/L	<0.500	1.01
Eagle Mine	Molybdenum	ug/L	<5.0	< 3.5
Eagle Mine	Nickel	ug/L	<2.0	< 10
Eagle Mine	Nitrate	mg/L	0.25	0.27
Eagle Mine	Nitrite	mg/L	<0.050	< 0.01
Eagle Mine	ORP	mV	85	85.2
Eagle Mine	pH	SU	8.6	8.55
Eagle Mine	Phosphorus	mg/L	0.0156	< 0.03
Eagle Mine	Potassium	mg/L	1.0	1
Eagle Mine	Selenium	ug/L	1.1	< 0.44
Eagle Mine	Silver	ug/L	<0.20	< 0.036
Eagle Mine	Sodium	mg/L	2.6	2.7
Eagle Mine	Specific Conductance	µS/cm	111	111
Eagle Mine	Strontium	ug/L	81	85
Eagle Mine	Sulfate	mg/L	4.1	4.8
Eagle Mine	Temperature	°C	7.6	9.32
Eagle Mine	Thallium	ug/L	<1.0	< 0.019
Eagle Mine	Turbidity	NTU	<1	0
Eagle Mine	Uranium	ug/L	<1.0	< 0.50
Eagle Mine	Vanadium	ug/L	1.8	< 1.2
Eagle Mine	Water Elevation	ft MSL	1366.11	-
Eagle Mine	Zinc	ug/L	<10	< 10

Eagle Mine - Groundwater Discharge Permit 2/6/17 (QAL055A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	<50	< 100
Eagle Mine	Ammonia	mg/L	<0.020	< 0.20
Eagle Mine	Antimony	ug/L	<1.0	< 0.35
Eagle Mine	Arsenic	ug/L	<1.0	< 0.27
Eagle Mine	Barium	ug/L	25	25
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	50	52
Eagle Mine	Boron	ug/L	<20	< 40
Eagle Mine	Cadmium	ug/L	<0.20	< 0.071
Eagle Mine	Calcium	mg/L	51	52
Eagle Mine	Chloride	mg/L	100	100
Eagle Mine	Chromium	ug/L	2.0	3.1
Eagle Mine	Cobalt	ug/L	22	20
Eagle Mine	Copper	ug/L	<1.0	< 2.2
Eagle Mine	Dissolved Oxygen	mg/L	7.8	-
Eagle Mine	Fluoride	mg/L	<0.10	< 0.026
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.47	0.52??
Eagle Mine	Iron	ug/L	<20	< 10
Eagle Mine	Lead	ug/L	<1.0	< 0.17
Eagle Mine	Lithium	ug/L	<8.0	< 30
Eagle Mine	Magnesium	mg/L	12	12
Eagle Mine	Manganese	ug/L	<5.0	< 0.50
Eagle Mine	Mercury	ng/L	<0.500	< 0.194
Eagle Mine	Molybdenum	ug/L	<5.0	< 3.5
Eagle Mine	Nickel	ug/L	2.1	< 10
Eagle Mine	Nitrate	mg/L	0.47	0.52
Eagle Mine	Nitrite	mg/L	<0.050	< 0.01
Eagle Mine	ORP	mV	103	103.2
Eagle Mine	pH	SU	8.3	8.33
Eagle Mine	Phosphorus	mg/L	0.0115	< 0.03
Eagle Mine	Potassium	mg/L	1.7	1.6
Eagle Mine	Selenium	ug/L	<1.0	< 0.44
Eagle Mine	Silver	ug/L	<0.20	< 0.036
Eagle Mine	Sodium	mg/L	11	11
Eagle Mine	Specific Conductance	µS/cm	447	447
Eagle Mine	Strontium	ug/L	120	110
Eagle Mine	Sulfate	mg/L	5.4	5.3
Eagle Mine	Temperature	°C	9	11.11
Eagle Mine	Thallium	ug/L	<1.0	< 0.019
Eagle Mine	Turbidity	NTU	<1	0
Eagle Mine	Uranium	ug/L	<1.0	< 0.23
Eagle Mine	Vanadium	ug/L	<1.0	< 1.2
Eagle Mine	Water Elevation	ft	1365.70	-
Eagle Mine	Zinc	ug/L	<10	< 10

Eagle Mine - Groundwater Discharge Permit 5/1/17 (QAL057A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	mg/L	<50	< 0.06
Eagle Mine	Ammonia	mg/L	<0.020	< 0.13
Eagle Mine	Antimony	ug/L	<1.0	< 0.20
Eagle Mine	Arsenic	ug/L	<1.0	< 1.0
Eagle Mine	Barium	ug/L	<5.0	3.2
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	27	29
Eagle Mine	Boron	ug/L	<20	< 60
Eagle Mine	Cadmium	ug/L	<0.20	< .20
Eagle Mine	Calcium	mg/L	8.8	9.1
Eagle Mine	Chloride	mg/L	1.9	25
Eagle Mine	Chromium	ug/L	<1.0	< 1.0
Eagle Mine	Cobalt	ug/L	<15	< 2.7
Eagle Mine	Copper	ug/L	<1.0	< 5.0
Eagle Mine	Dissolved Oxygen	mg/L	11	10.58
Eagle Mine	Fluoride	mg/L	<0.10	< 0.026
Eagle Mine	Hardness	mg/L	29	< 22
Eagle Mine	Inorganic Nitrogen	mg/L	0.68	< .50
Eagle Mine	Iron	ug/L	<20	< 26
Eagle Mine	Lead	ug/L	<1.0	1.6
Eagle Mine	Lithium	ug/L	<8.0	< 0.90
Eagle Mine	Magnesium	mg/L	1.6	< 0.10
Eagle Mine	Manganese	ug/L	<5.0	< 0.90
Eagle Mine	Mercury	ng/L	<0.500	< 0.194
Eagle Mine	Molybdenum	ug/L	<5.0	< 4.5
Eagle Mine	Nickel	ug/L	<2.0	< 13
Eagle Mine	Nitrate	mg/L	0.68	0.65
Eagle Mine	Nitrite	mg/L	<0.050	0.65
Eagle Mine	ORP	mV	-24	-23.8
Eagle Mine	pH	SU	9.1	9.06
Eagle Mine	Phosphorus	mg/L	0.0222	< 0.04
Eagle Mine	Potassium	mg/L	0.61	0.61
Eagle Mine	Selenium	ug/L	<1.0	< 2.0
Eagle Mine	Silver	ug/L	<0.20	< 0.20
Eagle Mine	Sodium	mg/L	1.8	1.7
Eagle Mine	Specific Conductance	µS/cm	67	67
Eagle Mine	Strontium	ug/L	11	11
Eagle Mine	Sulfate	mg/L	<1.0	< 3.0
Eagle Mine	Temperature	°C	11	12.21
Eagle Mine	Thallium	ug/L	<1.0	< 1.0
Eagle Mine	Turbidity	NTU	<1	-1.6
Eagle Mine	Uranium	ug/L	<1.0	< 0.50
Eagle Mine	Vanadium	ug/L	1.2	< 3.0
Eagle Mine	Water Elevation	ft MSL	1363.92	-
Eagle Mine	Zinc	ug/L	<10	< 4.8

Eagle Mine - Groundwater Discharge Permit 5/1/17 (QAL057D)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	<50	< 0.06
Eagle Mine	Ammonia	mg/L	<0.020	< 0.13
Eagle Mine	Antimony	ug/L	<1.0	< 0.20
Eagle Mine	Arsenic	ug/L	3.3	3.3
Eagle Mine	Barium	ug/L	5.2	5.2
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	47	51
Eagle Mine	Boron	ug/L	<20	< 60
Eagle Mine	Cadmium	ug/L	<0.20	< .20
Eagle Mine	Calcium	mg/L	17	17
Eagle Mine	Chloride	mg/L	5.3	< 6
Eagle Mine	Chromium	ug/L	<1.0	1.5
Eagle Mine	Cobalt	ug/L	<15	< 2.7
Eagle Mine	Copper	ug/L	<1.0	< 3.2
Eagle Mine	Dissolved Oxygen	mg/L	7.3	7.29
Eagle Mine	Fluoride	mg/L	<0.10	0.03
Eagle Mine	Hardness	mg/L	29	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.15	-
Eagle Mine	Iron	ug/L	<20	< 22
Eagle Mine	Lead	ug/L	<1.0	< 0.50
Eagle Mine	Lithium	ug/L	<8.0	< 26
Eagle Mine	Magnesium	mg/L	1.6	3.6
Eagle Mine	Manganese	ug/L	<5.0	< 0.90
Eagle Mine	Mercury	ng/L	<0.500	< 0.194
Eagle Mine	Molybdenum	ug/L	<5.0	< 4.5
Eagle Mine	Nickel	ug/L	<2.0	< 13
Eagle Mine	Nitrate	mg/L	0.15	0.15
Eagle Mine	Nitrite	mg/L	<0.050	< 0.01
Eagle Mine	ORP	mV	-45	-45.2
Eagle Mine	pH	SU	8.7	8.73
Eagle Mine	Phosphorus	mg/L	0.0223	< 0.04
Eagle Mine	Potassium	mg/L	0.61	1.2
Eagle Mine	Selenium	ug/L	<1.0	< 2.0
Eagle Mine	Silver	ug/L	<0.20	< 0.20
Eagle Mine	Sodium	mg/L	1.8	1.3
Eagle Mine	Specific Conductance	μS/cm	117	117
Eagle Mine	Strontium	ug/L	50	53
Eagle Mine	Sulfate	mg/L	3.7	4.6
Eagle Mine	Temperature	°C	10	11.9
Eagle Mine	Thallium	ug/L	<1.0	< 1.0
Eagle Mine	Turbidity	NTU	<1	-2.2
Eagle Mine	Uranium	ug/L	<1.0	< 0.50
Eagle Mine	Vanadium	ug/L	1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1364.00	-
Eagle Mine	Zinc	ug/L	<10	< 4.8

Eagle Mine - Groundwater Discharge Permit 8/7/17 (QAL053A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	mg/L	<50.0	< 0.06
Eagle Mine	Ammonia	mg/L	<0.020	< 0.13
Eagle Mine	Antimony	ug/L	<1.0	< 0.20
Eagle Mine	Arsenic	ug/L	6.5	7
Eagle Mine	Barium	ug/L	7.5	8.1
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate	mg/L	52.3	59
Eagle Mine	Boron	ug/L	33.8	< 53
Eagle Mine	Cadmium	ug/L	<0.20	< .20
Eagle Mine	Calcium	mg/L	13.9	15
Eagle Mine	Chloride	mg/L	<1.0	7
Eagle Mine	Chromium	ug/L	<1.0	< 1.1
Eagle Mine	Cobalt	ug/L	<15.0	< 2.7
Eagle Mine	Copper	ug/L	<1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	3.1	3.08
Eagle Mine	Fluoride	mg/L	<0.10	0.052
Eagle Mine	Hardness	mg/L	50	-
Eagle Mine	Inorganic Nitrogen	mg/L	<0.050	-
Eagle Mine	Iron	ug/L	<20.0	31
Eagle Mine	Lead	ug/L	<1.0	< 0.20
Eagle Mine	Lithium	ug/L	<8.0	< 50
Eagle Mine	Magnesium	mg/L	3.6	3.8
Eagle Mine	Manganese	ug/L	<5.0	< 0.49
Eagle Mine	Mercury	ng/L	<0.50	< 0.194
Eagle Mine	Molybdenum	ug/L	<5.0	< 4.5
Eagle Mine	Nickel	ug/L	<2.0	< 13
Eagle Mine	Nitrate	mg/L	<0.050	< 0.10
Eagle Mine	Nitrite	mg/L	<0.050	< 0.01
Eagle Mine	ORP	mV	-50	-49.8
Eagle Mine	pH	SU	8.4	8.42
Eagle Mine	Phosphorus	mg/L	0.035	< 0.05
Eagle Mine	Potassium	mg/L	1.1	1.4
Eagle Mine	Selenium	ug/L	<1.0	< 2.0
Eagle Mine	Silver	ug/L	<0.20	< 0.40
Eagle Mine	Sodium	mg/L	1.8	2.0
Eagle Mine	Specific Conductance	µS/cm	104	104
Eagle Mine	Strontium	ug/L	69.9	80
Eagle Mine	Sulfate	mg/L	5.4	5.5
Eagle Mine	Temperature	°C	9.0	9.67
Eagle Mine	Thallium	ug/L	<1.0	0.36
Eagle Mine	Turbidity	NTU	<1	-2.4
Eagle Mine	Uranium	ug/L	<1.0	< 0.50
Eagle Mine	Vanadium	ug/L	1.5	< 3.0
Eagle Mine	Water Elevation	ft MSL	1386.27	-
Eagle Mine	Zinc	ug/L	<10.0	< 4.8

Eagle Mine - Groundwater Discharge Permit 8/7/17 (QAL056A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	<50	< 0.06
Eagle Mine	Ammonia	mg/L	<0.020	< 0.13
Eagle Mine	Antimony	ug/L	<1.0	< 0.20
Eagle Mine	Arsenic	ug/L	3.3	0.52
Eagle Mine	Barium	ug/L	5.2	3.3
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	47	31
Eagle Mine	Boron	ug/L	<20	< 53
Eagle Mine	Cadmium	ug/L	<0.20	< .20
Eagle Mine	Calcium	mg/L	17	7.6
Eagle Mine	Chloride	mg/L	5.3	< 6
Eagle Mine	Chromium	ug/L	<1.0	< 1.1
Eagle Mine	Cobalt	ug/L	<15	< 2.7
Eagle Mine	Copper	ug/L	<1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	7.3	9.75
Eagle Mine	Fluoride	mg/L	<0.10	0.042
Eagle Mine	Hardness	mg/L	29	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.15	-
Eagle Mine	Iron	ug/L	<20	< 22
Eagle Mine	Lead	ug/L	<1.0	< 0.20
Eagle Mine	Lithium	ug/L	<8.0	< 50
Eagle Mine	Magnesium	mg/L	1.6	1.3
Eagle Mine	Manganese	ug/L	<5.0	< 0.49
Eagle Mine	Mercury	ng/L	<0.500	0.429
Eagle Mine	Molybdenum	ug/L	<5.0	< 4.5
Eagle Mine	Nickel	ug/L	<2.0	< 13
Eagle Mine	Nitrate	mg/L	0.15	0.87
Eagle Mine	Nitrite	mg/L	<0.050	0.87
Eagle Mine	ORP	mV	-45	-8.9
Eagle Mine	pH	SU	8.7	8.96
Eagle Mine	Phosphorus	mg/L	0.0223	< 0.05
Eagle Mine	Potassium	mg/L	0.61	0.81
Eagle Mine	Selenium	ug/L	<1.0	< 0.50
Eagle Mine	Silver	ug/L	<0.20	< 0.40
Eagle Mine	Sodium	mg/L	1.8	2.4
Eagle Mine	Specific Conductance	μS/cm	117	56
Eagle Mine	Strontium	ug/L	50	9.6
Eagle Mine	Sulfate	mg/L	3.7	< 3.0
Eagle Mine	Temperature	°C	10	13.95
Eagle Mine	Thallium	ug/L	<1.0	< 0.20
Eagle Mine	Turbidity	NTU	<1	-2.4
Eagle Mine	Uranium	ug/L	<1.0	< 0.50
Eagle Mine	Vanadium	ug/L	1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1364.00	-
Eagle Mine	Zinc	ug/L	<10	< 4.8

Eagle Mine - Groundwater Discharge Permit 11/13/17 (QAL008A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	mg/L	< 50.0	< 0.09
Eagle Mine	Ammonia	mg/L	< 0.02	0.13
Eagle Mine	Antimony	ug/L	< 1.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	< 5.0	4.6
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate	mg/L	28.1	36
Eagle Mine	Boron	ug/L	< 20.0	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	8.4	9.2
Eagle Mine	Chloride	mg/L	< 1.0	10
Eagle Mine	Chromium	ug/L	< 1.0	1.6
Eagle Mine	Cobalt	ug/L	< 15.0	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.7
Eagle Mine	Dissolved Oxygen	mg/L	9.3	9.28
Eagle Mine	Fluoride	mg/L	< 0.10	0.034
Eagle Mine	Hardness	mg/L	27	-
Eagle Mine	Inorganic Nitrogen	mg/L	1.5	-
Eagle Mine	Iron	ug/L	35.3	< 25
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 26
Eagle Mine	Magnesium	mg/L	2.4	1.4
Eagle Mine	Manganese	ug/L	< 5.0	1.1
Eagle Mine	Mercury	ng/L	< 0.50	< 0.194
Eagle Mine	Molybdenum	ug/L	< 5.0	< 0.33
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	1.5	1.6
Eagle Mine	Nitrite	mg/L	< 0.05	< 0.01
Eagle Mine	ORP	mV	17	16.8
Eagle Mine	pH	SU	9.4	9.35
Eagle Mine	Phosphorus	mg/L	0.033	-
Eagle Mine	Potassium	mg/L	0.81	0.9
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	4.2	5.0
Eagle Mine	Specific Conductance	µS/cm	80	80
Eagle Mine	Strontium	ug/L	12.4	12
Eagle Mine	Sulfate	mg/L	< 1.0	< 3.0
Eagle Mine	Temperature	°C	15	16.8
Eagle Mine	Thallium	ug/L	< 1.0	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-1.5
Eagle Mine	Uranium	ug/L	< 1.0	< 0.50
Eagle Mine	Vanadium	ug/L	2.4	< 3.0
Eagle Mine	Water Elevation	ft MSL	1394.78	-
Eagle Mine	Zinc	ug/L	< 10.0	< 4.8

Eagle Mine - Groundwater Discharge Permit 11/13/17 (QAL0081)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 50.0	0.12
Eagle Mine	Ammonia	mg/L	-	< 0.13
Eagle Mine	Antimony	ug/L	< 1.0	< 0.20
Eagle Mine	Arsenic	ug/L	3.2	3.2
Eagle Mine	Barium	ug/L	6.5	7.3
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	46.9	51
Eagle Mine	Boron	ug/L	< 20.0	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	12.7	13
Eagle Mine	Chloride	mg/L	1.0	16
Eagle Mine	Chromium	ug/L	2.1	3.3
Eagle Mine	Cobalt	ug/L	< 15.0	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	6.9	6.87
Eagle Mine	Fluoride	mg/L	< 0.10	0.036
Eagle Mine	Hardness	mg/L	43	-
Eagle Mine	Inorganic Nitrogen	mg/L	< 0.05	-
Eagle Mine	Iron	ug/L	< 20.0	< 25
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 26
Eagle Mine	Magnesium	mg/L	2.8	2.8
Eagle Mine	Manganese	ug/L	< 5.0	0.89
Eagle Mine	Mercury	ng/L	< 0.50	< 0.194
Eagle Mine	Molybdenum	ug/L	< 5.0	0.61
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	< 0.05	0.12
Eagle Mine	Nitrite	mg/L	< 0.05	< 0.01
Eagle Mine	ORP	mV	- 12	-11.7
Eagle Mine	pH	SU	8.7	8.68
Eagle Mine	Phosphorus	mg/L	0.017	-
Eagle Mine	Potassium	mg/L	0.81	0.81
Eagle Mine	Selenium	ug/L	< 1.0	< 0.50
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	1.2	1.3
Eagle Mine	Specific Conductance	µS/cm	98	98
Eagle Mine	Strontium	ug/L	36.9	36
Eagle Mine	Sulfate	mg/L	4.0	4.4
Eagle Mine	Temperature	°C	10	12.4
Eagle Mine	Thallium	ug/L	< 1.0	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-1.1
Eagle Mine	Uranium	ug/L	< 1.0	< 0.50
Eagle Mine	Vanadium	ug/L	2.4	< 3.0
Eagle Mine	Water Elevation	ft MSL	1354.90	-
Eagle Mine	Zinc	ug/L	< 10.0	< 4.8

Eagle Mine - Mine Permit Groundwater 1/31/17 (QAL062A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	-
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	-
Eagle Mine	Arsenic	ug/L	< 2.0	< 0.27
Eagle Mine	Barium	ug/L	-	-
Eagle Mine	Beryllium	ug/L	-	-
Eagle Mine	Bicarbonate	mg/L	120	120
Eagle Mine	Boron	ug/L	< 100	< 44
Eagle Mine	Cadmium	ug/L	-	-
Eagle Mine	Calcium	mg/L	-	-
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 5
Eagle Mine	Chloride	mg/L	52	46
Eagle Mine	Chromium	ug/L	-	-
Eagle Mine	Cobalt	ug/L	-	-
Eagle Mine	Copper	ug/L	< 5.0	< 1.0
Eagle Mine	Dissolved Oxygen	mg/L	9.4	9.38
Eagle Mine	Fluoride	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	< 10
Eagle Mine	Lead	ug/L	-	-
Eagle Mine	Lithium	ug/L	-	-
Eagle Mine	Magnesium	mg/L	-	-
Eagle Mine	Manganese	ug/L	< 20	0.52
Eagle Mine	Mercury	ng/L	< 0.5	<0.194
Eagle Mine	Molybdenum	ug/L	-	-
Eagle Mine	Nickel	ug/L	< 25	< 10
Eagle Mine	Nitrate	mg/L	0.52	0.63
Eagle Mine	Nitrite	mg/L	-	0.63
Eagle Mine	ORP	mV	- 21	-21.1
Eagle Mine	pH	SU	8.0	8
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	-
Eagle Mine	Selenium	ug/L	< 1.0	< 0.44
Eagle Mine	Silver	ug/L	-	-
Eagle Mine	Sodium	mg/L	9.7	15
Eagle Mine	Specific Conductance	µS/cm	408	408
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	6.9	< 3.0
Eagle Mine	Temperature	°C	7.5	8.24
Eagle Mine	Thallium	ug/L	-	-
Eagle Mine	Turbidity	NTU	< 1	-0.9
Eagle Mine	Uranium	ug/L	-	-
Eagle Mine	Vanadium	ug/L	< 1.0	-
Eagle Mine	Water Elevation	ft MSL	1406.81	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine - Mine Permit Groundwater 1/31/17 (QAL067A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	-
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	-
Eagle Mine	Arsenic	ug/L	< 2.0	< 0.27
Eagle Mine	Barium	ug/L	-	-
Eagle Mine	Beryllium	ug/L	-	-
Eagle Mine	Bicarbonate	mg/L	54	49
Eagle Mine	Boron	ug/L	< 100	< 44
Eagle Mine	Calcium	mg/L	8.2	-
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 5
Eagle Mine	Chloride	mg/L	410	420
Eagle Mine	Chromium	ug/L	-	-
Eagle Mine	Cobalt	ug/L	-	-
Eagle Mine	Copper	ug/L	< 5.0	< 1.0
Eagle Mine	Dissolved Oxygen	mg/L	8.7	8.65
Eagle Mine	Fluoride	mg/L	-	-
Eagle Mine	Hardness	mg/L	26	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 2.0	< 10
Eagle Mine	Lead	ug/L	-	-
Eagle Mine	Lithium	ug/L	-	-
Eagle Mine	Magnesium	mg/L	2	-
Eagle Mine	Manganese	ug/L	<20	0.67
Eagle Mine	Mercury	ng/L	2.22	2
Eagle Mine	Molybdenum	ug/L	-	-
Eagle Mine	Nickel	ug/L	< 25	< 10
Eagle Mine	Nitrate	mg/L	2.3	2.5
Eagle Mine	Nitrite	mg/L	-	2.5
Eagle Mine	ORP	mV	5	5
Eagle Mine	pH	SU	6.0	6.01
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	2.0	-
Eagle Mine	Selenium	ug/L	< 1.0	< 0.44
Eagle Mine	Silver	ug/L	-	-
Eagle Mine	Sodium	mg/L	2.0	270
Eagle Mine	Specific Conductance	μS/cm	1568	1568
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	19	19
Eagle Mine	Temperature	°C	7.9	8.08
Eagle Mine	Thallium	ug/L	-	-
Eagle Mine	Turbidity	NTU	< 1	-0.9
Eagle Mine	Uranium	ug/L	-	-
Eagle Mine	Vanadium	ug/L	< 1.0	-
Eagle Mine	Water Elevation	ft MSL	1413.81	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine - Mine Permit Groundwater 5/9/17 (QAL073A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 50	< 0.06
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	< 5.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 2.0	< 1.0
Eagle Mine	Barium	ug/L	< 20	9.3
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	100	100
Eagle Mine	Boron	ug/L	< 100	< 60
Eagle Mine	Cadmium	ug/L	< 0.50	< 0.20
Eagle Mine	Calcium	mg/L	32	32
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	3.6	7
Eagle Mine	Chromium	ug/L	< 5.0	1.4
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 5.0	< 3.2
Eagle Mine	Dissolved Oxygen	mg/L	10	9.92
Eagle Mine	Fluoride	mg/L	< 0.10	0.032
Eagle Mine	Hardness	mg/L	109	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	210
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 26
Eagle Mine	Magnesium	mg/L	7.1	6.8
Eagle Mine	Manganese	ug/L	< 20	1.1
Eagle Mine	Mercury	ng/L	< 0.5	0.32
Eagle Mine	Molybdenum	ug/L	< 10	< 4.5
Eagle Mine	Nickel	ug/L	< 25	< 13
Eagle Mine	Nitrate	mg/L	1.5	1.5
Eagle Mine	Nitrite	mg/L	-	1.5
Eagle Mine	ORP	mV	210	209.6
Eagle Mine	pH	SU	6.5	6.45
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	1.4	1.5
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	3.0	3
Eagle Mine	Specific Conductance	µS/cm	217	217
Eagle Mine	Strontium	ug/L	90	100
Eagle Mine	Sulfate	mg/L	9.2	9.3
Eagle Mine	Temperature	°C	8.1	9.5
Eagle Mine	Thallium	ug/L	< 2.0	< 0.20
Eagle Mine	Turbidity	NTU	< 1	0
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1381.91	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine - Mine Permit Groundwater 5/9/17 (QAL070A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 50	< 0.06
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	< 5.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 2.0	< 1.0
Eagle Mine	Barium	ug/L	28	28
Eagle Mine	Beryllium	ug/L	<1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	56	61
Eagle Mine	Boron	ug/L	< 100	< 60
Eagle Mine	Cadmium	ug/L	< 0.50	< 0.20
Eagle Mine	Calcium	mg/L	47	45
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	120	130
Eagle Mine	Chromium	ug/L	< 5.0	< 1.0
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 5.0	< 3.2
Eagle Mine	Dissolved Oxygen	mg/L	10	10.14
Eagle Mine	Fluoride	mg/L	< 0.10	< 0.052
Eagle Mine	Hardness	mg/L	158	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	25
Eagle Mine	Lead	ug/L	< 1.0	0.46
Eagle Mine	Lithium	ug/L	< 8.0	< 26
Eagle Mine	Magnesium	mg/L	9.9	8.9
Eagle Mine	Manganese	ug/L	< 20	< 0.49
Eagle Mine	Mercury	ng/L	< 0.50	0.595
Eagle Mine	Molybdenum	ug/L	< 10	< 4.5
Eagle Mine	Nickel	ug/L	< 25	< 13
Eagle Mine	Nitrate	mg/L	1.2	1.2
Eagle Mine	Nitrite	mg/L	-	1.2
Eagle Mine	ORP	mV	182	181.6
Eagle Mine	pH	SU	8.2	8.18
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	2.0	1.9
Eagle Mine	Selenium	ug/L	< 1.0	< 0.50
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	40	38
Eagle Mine	Specific Conductance	µS/cm	524	524
Eagle Mine	Strontium	ug/L	74	76
Eagle Mine	Sulfate	mg/L	6.7	6.9
Eagle Mine	Temperature	°C	8.2	9.14
Eagle Mine	Thallium	ug/L	< 2.0	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1371.21	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine - Mine Permit Groundwater 8/14/17 (QAL069A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.06
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 2.0	< 1.0
Eagle Mine	Barium	ug/L	-	37
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate	mg/L	180	180
Eagle Mine	Boron	ug/L	< 100	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	73
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	164	180
Eagle Mine	Chromium	ug/L	-	< 1.0
Eagle Mine	Cobalt	ug/L	-	< 2.9
Eagle Mine	Copper	ug/L	< 5.0	2.1
Eagle Mine	Dissolved Oxygen	mg/L	4.6	4.62
Eagle Mine	Fluoride	mg/L	-	< 0.13
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	< 22
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 50
Eagle Mine	Magnesium	mg/L	-	26
Eagle Mine	Manganese	ug/L	< 20	7.5
Eagle Mine	Mercury	ng/L	4.91	4.85
Eagle Mine	Molybdenum	ug/L	-	< 4.5
Eagle Mine	Nickel	ug/L	< 25	6.7
Eagle Mine	Nitrate	mg/L	0.74	0.86
Eagle Mine	Nitrite	mg/L	-	0.86
Eagle Mine	ORP	mV	126	126
Eagle Mine	pH	SU	6.4	6.44
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	2.4
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.40
Eagle Mine	Sodium	mg/L	44.9	40
Eagle Mine	Specific Conductance	µS/cm	863	863
Eagle Mine	Strontium	ug/L	-	89
Eagle Mine	Sulfate	mg/L	7.6	7.3
Eagle Mine	Temperature	°C	11	11.09
Eagle Mine	Thallium	ug/L	-	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1382.61	-
Eagle Mine	Zinc	ug/L	< 10	< 5.0

Eagle Mine - Mine Permit Groundwater 8/14/17 (QAL074A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< .06
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< .20
Eagle Mine	Arsenic	ug/L	< 2.0	1.2
Eagle Mine	Barium	ug/L	-	15
Eagle Mine	Beryllium	ug/L	-	< 2.0
Eagle Mine	Bicarbonate	mg/L	65.3	71
Eagle Mine	Boron	ug/L	< 100	< 53
Eagle Mine	Cadmium	ug/L	-	< .20
Eagle Mine	Calcium	mg/L	8.2	30
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	49.5	52
Eagle Mine	Chromium	ug/L	-	1.4
Eagle Mine	Cobalt	ug/L	-	< 2.9
Eagle Mine	Copper	ug/L	< 5.0	< 2.0
Eagle Mine	Dissolved Oxygen	mg/L	10	9.74
Eagle Mine	Fluoride	mg/L	-	< 0.026
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	20.4	28
Eagle Mine	Lead	ug/L	-	0.75
Eagle Mine	Lithium	ug/L	-	< 50
Eagle Mine	Magnesium	mg/L	-	5.9
Eagle Mine	Manganese	ug/L	< 20	0.76
Eagle Mine	Mercury	ng/L	0.770	0.712
Eagle Mine	Molybdenum	ug/L	-	< 4.5
Eagle Mine	Nickel	ug/L	< 25	6.5
Eagle Mine	Nitrate	mg/L	0.94	1.1
Eagle Mine	Nitrite	mg/L	-	1.1
Eagle Mine	ORP	mV	105	105.1
Eagle Mine	pH	SU	8.4	8.41
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	1.3
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.40
Eagle Mine	Sodium	mg/L	15.2	13
Eagle Mine	Specific Conductance	µS/cm	269	269
Eagle Mine	Strontium	ug/L	-	42
Eagle Mine	Sulfate	mg/L	7.8	7.4
Eagle Mine	Temperature	°C	13	14.49
Eagle Mine	Thallium	ug/L	-	< 0.20
Eagle Mine	Turbidity	NTU	< 1	0
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1405.17	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine - Mine Permit Groundwater 11/8/17 (QAL063A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.09
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	0.27
Eagle Mine	Arsenic	ug/L	< 2.0	< 1.0
Eagle Mine	Barium	ug/L	-	28
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate	mg/L	167	170
Eagle Mine	Boron	ug/L	< 100	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	56
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	38.3	34
Eagle Mine	Chromium	ug/L	-	2.4
Eagle Mine	Cobalt	ug/L	-	< 2.7
Eagle Mine	Copper	ug/L	< 5.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	8.9	8.9
Eagle Mine	Fluoride	mg/L	-	< 0.026
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	20.4	< 22
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	10
Eagle Mine	Manganese	ug/L	< 20	< 0.49
Eagle Mine	Mercury	ng/L	< 0.50	< 0.194
Eagle Mine	Molybdenum	ug/L	-	< 0.33
Eagle Mine	Nickel	ug/L	< 25	< 13
Eagle Mine	Nitrate	mg/L	0.59	0.66
Eagle Mine	Nitrite	mg/L	-	0.66
Eagle Mine	ORP	mV	- 35	-35
Eagle Mine	pH	SU	7.7	7.66
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	1.6
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	8.2	7.9
Eagle Mine	Specific Conductance	µS/cm	427	427
Eagle Mine	Strontium	ug/L	-	76
Eagle Mine	Sulfate	mg/L	2.5	3.1
Eagle Mine	Temperature	°C	8.0	8.86
Eagle Mine	Thallium	ug/L	-	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-1.4
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1401.50	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine - Mine Permit Groundwater 11/8/17 (QAL069A)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.09
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 2.0	< 1.0
Eagle Mine	Barium	ug/L	-	53
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate	mg/L	147	150
Eagle Mine	Boron	ug/L	< 100	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	73
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	277	250
Eagle Mine	Chromium	ug/L	-	1.5
Eagle Mine	Cobalt	ug/L	-	< 2.7
Eagle Mine	Copper	ug/L	< 5.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	5.6	5.64
Eagle Mine	Fluoride	mg/L	-	0.18
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	42.2	< 22
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	29
Eagle Mine	Manganese	ug/L	< 20	11
Eagle Mine	Mercury	ng/L	7.65	7.59
Eagle Mine	Molybdenum	ug/L	-	< 0.33
Eagle Mine	Nickel	ug/L	< 25	< 13
Eagle Mine	Nitrate	mg/L	0.76	0.85
Eagle Mine	Nitrite	mg/L	-	0.85
Eagle Mine	ORP	mV	- 20	-20
Eagle Mine	pH	SU	6.8	6.81
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	3.1
Eagle Mine	Selenium	ug/L	< 1.0	< 0.50
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	99.3	94
Eagle Mine	Specific Conductance	µS/cm	1181	1181
Eagle Mine	Strontium	ug/L	-	130
Eagle Mine	Sulfate	mg/L	10.8	11
Eagle Mine	Temperature	°C	8.2	8.99
Eagle Mine	Thallium	ug/L	-	< 0.20
Eagle Mine	Turbidity	NTU	< 1	-1.2
Eagle Mine	Vanadium	ug/L	< 1.0	< 3.0
Eagle Mine	Water Elevation	ft MSL	1383.07	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Mine Permit Surface Water 4/10/17 (STRM005)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	570	0.74
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	< 2.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	12	12
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	28	29
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	11	11
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	1.4	< 6
Eagle Mine	Chromium	ug/L	1.0	2.3
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	1.2	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	12	11.73
Eagle Mine	Fluoride	mg/L	< 0.10	< 0.026
Eagle Mine	Flow	cfs	6.1	6.12
Eagle Mine	Hardness	mg/L	37	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	820	810
Eagle Mine	Lead	ug/L	< 1.0	0.36
Eagle Mine	Lithium	ug/L	< 10	< 26
Eagle Mine	Magnesium	mg/L	2.2	2.3
Eagle Mine	Manganese	ug/L	64	69
Eagle Mine	Mercury	ng/L	8.41	9.3
Eagle Mine	Molybdenum	ug/L	< 10	< 4.5
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	0.10	0.09
Eagle Mine	Nitrite	mg/L	-	0.09
Eagle Mine	ORP	mV	-	-11.7
Eagle Mine	pH	SU	7.1	7.09
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	0.74	2.8
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	0.84	1.2
Eagle Mine	Specific Conductance	µS/cm	71	71
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	3.2
Eagle Mine	Total Dissolved Solids	mg/L	62	60
Eagle Mine	Temperature	°C	4.9	4.87
Eagle Mine	Turbidity	NTU	-	9.1
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Mine Permit Surface Water 4/10/17 (STRM004)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	950	1.2
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	< 2.0	< 0.20
Eagle Mine	Arsenic	ug/L	1.6	< 1.0
Eagle Mine	Barium	ug/L	16	16
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	29	22
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	9.5	9.8
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	1.2	< 6
Eagle Mine	Chromium	ug/L	2.1	2.8
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	1.8	3
Eagle Mine	Dissolved Oxygen	mg/L	12	12.14
Eagle Mine	Fluoride	mg/L	< 0.10	< 0.026
Eagle Mine	Flow	cfs	29	29.34
Eagle Mine	Hardness	mg/L	32	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	1300	1300
Eagle Mine	Lead	ug/L	< 1.0	0.75
Eagle Mine	Lithium	ug/L	< 10	< 26
Eagle Mine	Magnesium	mg/L	2.1	2.3
Eagle Mine	Manganese	ug/L	77	79
Eagle Mine	Mercury	ng/L	13.4	12.4
Eagle Mine	Molybdenum	ug/L	< 10	< 4.5
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	0.12	2.7
Eagle Mine	Nitrite	mg/L	-	2.7
Eagle Mine	ORP	mV	-	-25.6
Eagle Mine	pH	SU	7.6	7.6
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	0.79	1.7
Eagle Mine	Selenium	ug/L	-	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	0.79	0.96
Eagle Mine	Specific Conductance	µS/cm	61	61
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	4.1
Eagle Mine	Total Dissolved Solids	mg/L	104	57
Eagle Mine	Temperature	°C	4.7	4.66
Eagle Mine	Turbidity	NTU	-	27.1
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	5.7

Eagle Mine – Mine Permit Surface Water 4/12/17 (STRM005)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	120	0.74
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	< 2.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	< 10	12
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate	mg/L	37	29
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	10	11
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	1.5	< 6
Eagle Mine	Chromium	ug/L	< 1.0	2.3
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	13	13.41
Eagle Mine	Fluoride	mg/L	< 0.10	< 0.026
Eagle Mine	Flow	cfs	83	6.12
Eagle Mine	Hardness	mg/L	34	83.05
Eagle Mine	Inorganic Nitrogen	mg/L	?	-
Eagle Mine	Iron	ug/L	240	810
Eagle Mine	Lead	ug/L	< 1.0	0.36
Eagle Mine	Lithium	ug/L	< 10	< 26
Eagle Mine	Magnesium	mg/L	2.1	2.3
Eagle Mine	Manganese	ug/L	15	69
Eagle Mine	Mercury	ng/L	4.17	9.3
Eagle Mine	Molybdenum	ug/L	< 10	< 4.5
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	0.075	0.09
Eagle Mine	Nitrite	mg/L	-	0.09
Eagle Mine	ORP	mV	-	4.6
Eagle Mine	pH	SU	7.1	7.07
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	0.52	2.8
Eagle Mine	Selenium	ug/L	-	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	0.93	1.2
Eagle Mine	Specific Conductance	µS/cm	77	77
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	3.2
Eagle Mine	Total Dissolved	mg/L	118	60
Eagle Mine	Temperature	°C	1.7	1.73
Eagle Mine	Turbidity	NTU	-	4.1
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Mine Permit Surface Water 8/21/17 (STRM009)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	0.07
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	1.3	< 1.0
Eagle Mine	Barium	ug/L	-	9.6
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	65
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	19
Eagle Mine	Carbonate Alkalinity	mg/L	-	< 10
Eagle Mine	Chloride	mg/L	-	19
Eagle Mine	Chromium	ug/L	-	1.2
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	7.8	-
Eagle Mine	Fluoride	mg/L	-	0.04
Eagle Mine	Flow	cfs	4.2	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	132	150
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	3.6
Eagle Mine	Manganese	ug/L	21.1	23
Eagle Mine	Mercury	ng/L	1.30	1.69
Eagle Mine	Molybdenum	ug/L	-	< 4.5
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	-	< 0.09
Eagle Mine	Nitrite	mg/L	-	< 0.09
Eagle Mine	ORP	mV	--	-
Eagle Mine	pH	SU	7.4	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	0.83
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	-	1.1
Eagle Mine	Specific Conductance	µS/cm	126	-
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	< 3.0
Eagle Mine	Total Dissolved Solids	mg/L	58	70
Eagle Mine	Temperature	°C	13	-
Eagle Mine	Turbidity	NTU	-	-
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Mine Permit Surface Water 8/21/17 (STRM010)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	0.18
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	-	13
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	75
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	23
Eagle Mine	Carbonate Alkalinity	mg/L	-	< 10
Eagle Mine	Chloride	mg/L	-	6
Eagle Mine	Chromium	ug/L	-	1.1
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	-	0.035
Eagle Mine	Flow	cfs	-	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	111	600
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	4.0
Eagle Mine	Manganese	ug/L	12.1	60
Eagle Mine	Mercury	ng/L	1.39	2.93
Eagle Mine	Molybdenum	ug/L	-	< 4.5
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	-	< 0.09
Eagle Mine	Nitrite	mg/L	-	< 0.09
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	-	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	0.86
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	-	1.1
Eagle Mine	Specific Conductance	µS/cm	-	-
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	-	3.0
Eagle Mine	Total Dissolved Solids	mg/L	-	92
Eagle Mine	Temperature	°C	-	-
Eagle Mine	Turbidity	NTU	-	-
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 1.0	< 4.8

Eagle Mine – Mine Permit Surface Water 11/1/17 (STRM009)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.06
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	-	8.4
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	53
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	15
Eagle Mine	Carbonate Alkalinity	mg/L	-	< 10
Eagle Mine	Chloride	mg/L	-	< 6
Eagle Mine	Chromium	ug/L	-	1.3
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 8.0
Eagle Mine	Dissolved Oxygen	mg/L	12	-
Eagle Mine	Fluoride	mg/L	-	< 0.026
Eagle Mine	Flow	cfs	5.8	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	112	120
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	3.2
Eagle Mine	Manganese	ug/L	< 10	7.1
Eagle Mine	Mercury	ng/L	1.50	1.58
Eagle Mine	Molybdenum	ug/L	-	< 0.33
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	-	0.23
Eagle Mine	Nitrite	mg/L	-	0.23
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	7.4	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	0.58
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	-	0.99
Eagle Mine	Specific Conductance	µS/cm	101	-
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 2.0	< 6.0
Eagle Mine	Total Dissolved Solids	mg/L	96	68
Eagle Mine	Temperature	°C	3.2	-
Eagle Mine	Turbidity	NTU	-	-
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine – Mine Permit Surface Water 11/1/17 (STRM010)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	0.10
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	-	9.2
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	47
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	15
Eagle Mine	Carbonate Alkalinity	mg/L	-	< 10
Eagle Mine	Chloride	mg/L	-	8
Eagle Mine	Chromium	ug/L	-	1.4
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 8.0
Eagle Mine	Dissolved Oxygen	mg/L	12	-
Eagle Mine	Fluoride	mg/L	-	0.026
Eagle Mine	Flow	cfs	NM	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	153	170
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	10.2	2.9
Eagle Mine	Manganese	ug/L	-	10
Eagle Mine	Mercury	ng/L	1.96	2.24
Eagle Mine	Molybdenum	ug/L	-	< 0.33
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	-	0.33
Eagle Mine	Nitrite	mg/L	-	0.33
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	7.5	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	0.63
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	-	0.89
Eagle Mine	Specific Conductance	µS/cm	95	-
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	3.6
Eagle Mine	Total Dissolved Solids	mg/L	158	66
Eagle Mine	Temperature	°C	3.7	-
Eagle Mine	Turbidity	NTU	-	-
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine – Mine Permit Surface Water 11/1/17 (STRM005)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	0.10
Eagle Mine	Ammonia	mg/L	-	-
Eagle Mine	Antimony	ug/L	-	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	-	9.2
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	47
Eagle Mine	Boron	ug/L	< 50	< 53
Eagle Mine	Cadmium	ug/L	-	< 0.20
Eagle Mine	Calcium	mg/L	-	15
Eagle Mine	Carbonate Alkalinity	mg/L	-	< 10
Eagle Mine	Chloride	mg/L	-	8
Eagle Mine	Chromium	ug/L	-	1.4
Eagle Mine	Cobalt	ug/L	< 10	< 2.7
Eagle Mine	Copper	ug/L	1.2	< 8.0
Eagle Mine	Dissolved Oxygen	mg/L	13	-
Eagle Mine	Fluoride	mg/L	-	0.026
Eagle Mine	Flow	cfs	1.9	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	390	170
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 26
Eagle Mine	Magnesium	mg/L	-	2.9
Eagle Mine	Manganese	ug/L	50.7	10
Eagle Mine	Mercury	ng/L	2.36	2.24
Eagle Mine	Molybdenum	ug/L	-	< 0.33
Eagle Mine	Nickel	ug/L	< 1.0	< 13
Eagle Mine	Nitrate	mg/L	-	0.33
Eagle Mine	Nitrite	mg/L	-	0.33
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	7.3	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	0.63
Eagle Mine	Selenium	ug/L	< 2.0	< 2.0
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	-	0.89
Eagle Mine	Specific Conductance	µS/cm	88	-
Eagle Mine	Strontium	ug/L	-	-
Eagle Mine	Sulfate	mg/L	< 1.0	3.6
Eagle Mine	Total Dissolved Solids	mg/L	64	66
Eagle Mine	Temperature	°C	3	-
Eagle Mine	Turbidity	NTU	-	-
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	< 10	< 10

Eagle Mine – Temporary Development Rock Storage Area 3/22/17 (EMTDRSA)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.12
Eagle Mine	Ammonia	mg/L	0.14	< 0.13
Eagle Mine	Antimony	ug/L	-	0.85
Eagle Mine	Arsenic	ug/L	1.6	< 1.0
Eagle Mine	Barium	ug/L	-	< 0.24
Eagle Mine	Beryllium	ug/L	-	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	26	24
Eagle Mine	Boron	ug/L	850	860
Eagle Mine	Cadmium	ug/L	-	0.72
Eagle Mine	Calcium	mg/L	-	280
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 5
Eagle Mine	Chloride	mg/L	73	69
Eagle Mine	Chromium	ug/L	-	1.8
Eagle Mine	Cobalt	ug/L	-	12
Eagle Mine	Copper	ug/L	0.74	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	-	< 0.26
Eagle Mine	Flow	cfs	-	-
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	< 44
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	< 40
Eagle Mine	Magnesium	mg/L	110	110
Eagle Mine	Manganese	ug/L	280	280
Eagle Mine	Mercury	ng/L	0.0055	6
Eagle Mine	Molybdenum	ug/L	-	24
Eagle Mine	Nickel	ug/L	630	650
Eagle Mine	Nitrate	mg/L	130	130
Eagle Mine	Nitrite	mg/L	< 0.05	? 130 ?
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	6.7	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	37
Eagle Mine	Selenium	ug/L	8	5.5
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	220	200
Eagle Mine	Specific Conductance	µS/cm	-	-
Eagle Mine	Strontium	ug/L	-	2000
Eagle Mine	Sulfate	mg/L	1100	1100
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Thallium	ug/L	-	< 0.80
Eagle Mine	Vanadium	ug/L	-	21
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	16	16

Eagle Mine – Temporary Development Rock Storage Area 6/14/17 (EMTDRSA)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	110	0.07
Eagle Mine	Ammonia	mg/L	3.5	3.2
Eagle Mine	Antimony	ug/L	1.1	1.2
Eagle Mine	Arsenic	ug/L	1.3	< 1.0
Eagle Mine	Barium	ug/L	42	0.7
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	28	45
Eagle Mine	Boron	ug/L	880	1000
Eagle Mine	Cadmium	ug/L	0.88	0.86
Eagle Mine	Calcium	mg/L	300	310
Eagle Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Eagle Mine	Chloride	mg/L	60	58
Eagle Mine	Chromium	ug/L	1.0	< 1.0
Eagle Mine	Cobalt	ug/L	32	30
Eagle Mine	Copper	ug/L	0.92	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	< 100	< 0.26
Eagle Mine	Flow	cfs	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	81	170
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 50
Eagle Mine	Magnesium	mg/L	150	170
Eagle Mine	Manganese	ug/L	510	480
Eagle Mine	Mercury	ng/L	0.00134	1.39
Eagle Mine	Molybdenum	ug/L	23	23
Eagle Mine	Nickel	ug/L	1200	1000
Eagle Mine	Nitrate	mg/L	160	190
Eagle Mine	Nitrite	mg/L	0.060	0.06
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	-	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	41	43
Eagle Mine	Selenium	ug/L	11	6.7
Eagle Mine	Silver	ug/L	< 0.20	< 4.5
Eagle Mine	Sodium	mg/L	260	250
Eagle Mine	Specific Conductance	µS/cm	-	-
Eagle Mine	Strontium	ug/L	2500	2400
Eagle Mine	Sulfate	mg/L	1300	1300
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Temperature	°C	-	-
Eagle Mine	Thallium	ug/L	< 1.0	< 0.20
Eagle Mine	Vanadium	ug/L	< 4.0	85
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	80	85

Eagle Mine – Temporary Development Rock Storage Area 9/12/17 (EMTDRSA)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	0.22
Eagle Mine	Ammonia	mg/L	9.0	7.7
Eagle Mine	Antimony	ug/L	-	1.5
Eagle Mine	Arsenic	ug/L	1.5	< 1.0
Eagle Mine	Barium	ug/L	-	59
Eagle Mine	Beryllium	ug/L	-	0.24
Eagle Mine	Bicarbonate Alkalinity	mg/L	< 20	37
Eagle Mine	Boron	ug/L	1360	1400
Eagle Mine	Cadmium	ug/L	-	1.9
Eagle Mine	Calcium	mg/L	-	570
Eagle Mine	Carbonate Alkalinity	mg/L	< 20	< 10
Eagle Mine	Chloride	mg/L	156	160
Eagle Mine	Chromium	ug/L	-	< 1.0
Eagle Mine	Cobalt	ug/L	-	59
Eagle Mine	Copper	ug/L	1.8	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	-	< 0.52
Eagle Mine	Flow	cfs	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	30	37
Eagle Mine	Lead	ug/L	-	< 0.20
Eagle Mine	Lithium	ug/L	-	28
Eagle Mine	Magnesium	mg/L	191	210
Eagle Mine	Manganese	ug/L	944	980
Eagle Mine	Mercury	ng/L	0.00177	1.83
Eagle Mine	Molybdenum	ug/L	-	23
Eagle Mine	Nickel	ug/L	1870	1800
Eagle Mine	Nitrate	mg/L	365	340
Eagle Mine	Nitrite	mg/L	0.57	0.54
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	6.8	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	78
Eagle Mine	Selenium	ug/L	19	13
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	627	500
Eagle Mine	Specific Conductance	µS/cm	5322	-
Eagle Mine	Strontium	ug/L	-	4400
Eagle Mine	Sulfate	mg/L	1790	1900
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Temperature	°C	-	-
Eagle Mine	Thallium	ug/L	-	0.22
Eagle Mine	Vanadium	ug/L	-	5.6
Eagle Mine	Water Elevation	ft MSL	-	-
Eagle Mine	Zinc	ug/L	150	130

Eagle Mine – Temporary Development Rock Storage Area 11/29/17 (EMTDRSA)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	-	< 0.07
Eagle Mine	Ammonia	mg/L	0.66	0.66
Eagle Mine	Antimony	ug/L	-	1.5
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	-	51
Eagle Mine	Beryllium	ug/L	-	0.07
Eagle Mine	Bicarbonate Alkalinity	mg/L	34	47
Eagle Mine	Boron	ug/L	1330	1700
Eagle Mine	Cadmium	ug/L	-	2.2
Eagle Mine	Calcium	mg/L	-	430
Eagle Mine	Carbonate Alkalinity	mg/L	< 20	< 10
Eagle Mine	Chloride	mg/L	179	180
Eagle Mine	Chromium	ug/L	-	< 1.0
Eagle Mine	Cobalt	ug/L	1.6	86
Eagle Mine	Copper	ug/L	-	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	-	< 0.52
Eagle Mine	Flow	cfs	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 20	< 22
Eagle Mine	Lead	ug/L	-	< 0.40
Eagle Mine	Lithium	ug/L	-	28
Eagle Mine	Magnesium	mg/L	207	200
Eagle Mine	Manganese	ug/L	1020	1000
Eagle Mine	Mercury	ng/L	1.2	1.33
Eagle Mine	Molybdenum	ug/L	-	23
Eagle Mine	Nickel	ug/L	2350	2900
Eagle Mine	Nitrate	mg/L	266	280
Eagle Mine	Nitrite	mg/L	0.056	0.05
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH	SU	6.1	-
Eagle Mine	Phosphorus	mg/L	-	-
Eagle Mine	Potassium	mg/L	-	61
Eagle Mine	Selenium	ug/L	16	11
Eagle Mine	Silver	ug/L	-	< 0.20
Eagle Mine	Sodium	mg/L	404	380
Eagle Mine	Specific Conductance	µS/cm	4944	-
Eagle Mine	Strontium	ug/L	-	4700
Eagle Mine	Sulfate	mg/L	1560	1800
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Temperature	°C	-	-
Eagle Mine	Thallium	ug/L	-	0.36
Eagle Mine	Vanadium	ug/L	-	< 3.0
Eagle Mine	Water	ft MSL	-	-
Eagle Mine	Zinc	ug/L	284	320

Eagle Mine – Water Treatment Plant 3/21/17 (EMWTP-EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 0.05	< 0.06
Eagle Mine	Ammonia	mg/L	0.89	0.78
Eagle Mine	Antimony	ug/L	< 1.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	< 5.0	< 0.24
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	-
Eagle Mine	BOD	mg/L	< 2.0	< 2
Eagle Mine	Boron	ug/L	< 20	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	-	-
Eagle Mine	Carbonate Alkalinity	mg/L	-	-
Eagle Mine	Chloride	mg/L	< 1.0	8
Eagle Mine	Chromium	ug/L	< 1.0	< 0.84
Eagle Mine	Cobalt	ug/L	< 15	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	9.88	-
Eagle Mine	Fluoride	mg/L	< 100	< 0.026
Eagle Mine	Inorganic Nitrogen	mg/L	1.1	-
Eagle Mine	Iron	ug/L	< 50	< 22
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 40
Eagle Mine	Magnesium	mg/L	-	-
Eagle Mine	Manganese	ug/L	< 5.0	0.73
Eagle Mine	Mercury	ng/L	< 0.5	1.1
Eagle Mine	Molybdenum	ug/L	< 5.0	< 5.0
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	0.22	0.09
Eagle Mine	Nitrite	mg/L	< 0.05	< 0.01
Eagle Mine	pH (Minimum)	SU	6.93	-
Eagle Mine	pH (Maximum)	SU	8.54	-
Eagle Mine	Phosphorus	mg/L	< 0.01	-
Eagle Mine	Potassium	mg/L	210	< 0.35
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	6.4	6.1
Eagle Mine	Specific Conductance	µS/cm	28.44	-
Eagle Mine	Strontium	ug/L	< 5.0	< 0.15
Eagle Mine	Sulfate	mg/L	< 5000	< 3.0
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Temperature	°C	-	-
Eagle Mine	Thallium	ug/L	< 2.0	< 0.80
Eagle Mine	Uranium	ug/L	< 1.0	< 0.50
Eagle Mine	Vanadium	ug/L	< 1.0	< 15
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Water Treatment Plant 6/27/17 (EMWTP-EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 0.05	< 0.06
Eagle Mine	Ammonia	mg/L	0.33	0.3
Eagle Mine	Antimony	ug/L	< 1.0	< 0.20
Eagle Mine	Arsenic	ug/L	< 1.0	< 1.0
Eagle Mine	Barium	ug/L	< 1.0	< 2.0
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	< 1.0	-
Eagle Mine	BOD	mg/L	< 0.89	< 4
Eagle Mine	Boron	ug/L	< 20	< 60
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	-	-
Eagle Mine	Carbonate Alkalinity	mg/L	-	-
Eagle Mine	Chloride	mg/L	< 1.0	< 6
Eagle Mine	Chromium	ug/L	< 1.0	< 1.0
Eagle Mine	Cobalt	ug/L	< 15	< 2.7
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	9.34	-
Eagle Mine	Fluoride	mg/L	< 100	< 0.026
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.35	-
Eagle Mine	Iron	ug/L	< 50	< 22
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	< 50
Eagle Mine	Magnesium	mg/L	< 5.0	-
Eagle Mine	Manganese	ug/L	< 5.0	< 0.49
Eagle Mine	Mercury	ng/L	< 0.5	-
Eagle Mine	Molybdenum	ug/L	< 5.0	< 4.5
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	< 0.05	< 0.09
Eagle Mine	Nitrite	mg/L	< 0.05	< 0.01
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH (min)	SU	7.06	-
Eagle Mine	pH (max)	SU	8.55	-
Eagle Mine	Phosphorus	mg/L	< 0.01	-
Eagle Mine	Potassium	mg/L	< 200	< 0.35
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	5.97	6.6
Eagle Mine	Specific Conductance	µS/cm	26.60	-
Eagle Mine	Strontium	ug/L	< 5.0	0.15
Eagle Mine	Sulfate	mg/L	< 5000	< 3.0
Eagle Mine	Thallium	ug/L	< 2.0	0.66
Eagle Mine	Uranium	ug/L	< 1.0	< 0.50
Eagle Mine	Vanadium	ug/L	-	< 3.0
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Water Treatment Plant 9/12/17 (EMWTP-EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 0.05	< 0.06
Eagle Mine	Ammonia	mg/L	0.43	0.57
Eagle Mine	Antimony	ug/L	< 1.0	< 0.20
Eagle Mine	Arsenic	ug/L	1.0	< 1.0
Eagle Mine	Barium	ug/L	< 1.0	< 2.0
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.030
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	-
Eagle Mine	Boron	ug/L	< 20.0	< 53
Eagle Mine	BOD	mg/L	< 1.8	< 53
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.20
Eagle Mine	Calcium	mg/L	-	-
Eagle Mine	Carbonate Alkalinity	mg/L	-	-
Eagle Mine	Chloride	mg/L	< 1.0	< 6
Eagle Mine	Chromium	ug/L	< 1.0	< 1.0
Eagle Mine	Cobalt	ug/L	< 15	< 0.20
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	8.37	-
Eagle Mine	Fluoride	mg/L	< 100	< 0.026
Eagle Mine	Hardness	mg/L	-	-
Eagle Mine	Inorganic Nitrogen	mg/L	0.49	-
Eagle Mine	Iron	ug/L	< 50	87
Eagle Mine	Lead	ug/L	< 1.0	< 0.20
Eagle Mine	Lithium	ug/L	< 8.0	29
Eagle Mine	Magnesium	mg/L	-	-
Eagle Mine	Manganese	ug/L	< 5.0	0.81
Eagle Mine	Mercury	ng/L	< 0.5	0.259
Eagle Mine	Molybdenum	ug/L	< 5.0	< 0.33
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	< 0.05	0.1
Eagle Mine	Nitrite	mg/L	< 0.05	< 0.01
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH (min)	SU	7.22	-
Eagle Mine	pH (max)	SU	8.25	-
Eagle Mine	Phosphorus	mg/L	< 0.010	-
Eagle Mine	Potassium	mg/L	< 200	0.79
Eagle Mine	Selenium	ug/L	< 1.0	< 2.0
Eagle Mine	Silver	ug/L	< 0.20	< 0.20
Eagle Mine	Sodium	mg/L	5.94	7.3
Eagle Mine	Specific Conductance	µS/cm	29.19	-
Eagle Mine	Strontium	ug/L	< 5.0	< 0.15
Eagle Mine	Sulfate	mg/L	< 5000	< 3.0
Eagle Mine	Thallium	ug/L	< 2.0	< 0.20
Eagle Mine	Uranium	ug/L	< 1.0	-
Eagle Mine	Vanadium	ug/L	< 1.0	< 0.50
Eagle Mine	Zinc	ug/L	< 10	< 4.8

Eagle Mine – Water Treatment Plant 12/19/17 (EMWTP-EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Eagle Mine	Aluminum	ug/L	< 0.05	< 0.16
Eagle Mine	Ammonia	mg/L	-	0.26
Eagle Mine	Antimony	ug/L	< 1.0	< 0.15
Eagle Mine	Arsenic	ug/L	< 1.0	0.18
Eagle Mine	Barium	ug/L	< 1.0	< 2.0
Eagle Mine	Beryllium	ug/L	< 1.0	< 0.40
Eagle Mine	Bicarbonate Alkalinity	mg/L	-	-
Eagle Mine	Boron	ug/L	-	< 97
Eagle Mine	BOD	mg/L	< 20	< 2
Eagle Mine	Cadmium	ug/L	< 0.20	< 0.07
Eagle Mine	Calcium	mg/L	-	-
Eagle Mine	Carbonate Alkalinity	mg/L	-	-
Eagle Mine	Chloride	mg/L	-	< 6
Eagle Mine	Chromium	ug/L	< 1.0	5.8
Eagle Mine	Cobalt	ug/L	< 15	< 2.9
Eagle Mine	Copper	ug/L	< 1.0	< 2.8
Eagle Mine	Dissolved Oxygen	mg/L	-	-
Eagle Mine	Fluoride	mg/L	< 100	0.03
Eagle Mine	Inorganic Nitrogen	mg/L	-	-
Eagle Mine	Iron	ug/L	< 50	< 24
Eagle Mine	Lead	ug/L	< 1.0	< 0.30
Eagle Mine	Lithium	ug/L	< 8.0	< 32
Eagle Mine	Magnesium	mg/L	-	-
Eagle Mine	Manganese	ug/L	< 5.0	< 0.47
Eagle Mine	Mercury (LL)	ng/L	< 0.5	< 0.194
Eagle Mine	Molybdenum	ug/L	< 5.0	< 0.18
Eagle Mine	Nickel	ug/L	< 2.0	< 13
Eagle Mine	Nitrate	mg/L	< 0.050	< 0.09
Eagle Mine	Nitrite	mg/L	-	< 0.09
Eagle Mine	ORP	mV	-	-
Eagle Mine	pH (min)	SU	-	-
Eagle Mine	pH (max)	SU	-	-
Eagle Mine	Phosphorus	mg/L	< 0.010	-
Eagle Mine	Potassium	mg/L	< 200	< 0.13
Eagle Mine	Selenium	ug/L	< 1.0	< 0.50
Eagle Mine	Silver	ug/L	< 0.20	< 0.13
Eagle Mine	Sodium	mg/L	-	4.3
Eagle Mine	Specific Conductance	µS/cm	20.46	-
Eagle Mine	Strontium	ug/L	< 5.0	< 0.30
Eagle Mine	Sulfate	mg/L	< 5000	< 3.0
Eagle Mine	Total Dissolved Solids	mg/L	-	-
Eagle Mine	Thallium	ug/L	< 2.0	< 0.18
Eagle Mine	Uranium	ug/L	< 1.0	< 0.50
Eagle Mine	Vanadium	ug/L	< 1.0	< 0.67
Eagle Mine	Zinc	ug/L	< 10	< 8.0

Humboldt Mill – Mine Permit Groundwater 5/22/17 (MW-702UFB)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.08
Humboldt Mine	Ammonia	mg/L	< 0.025	< 0.01
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5.0	0.17
Humboldt Mine	Barium	ug/L	-	1.6
Humboldt Mine	Beryllium	ug/L	-	< 0.030
Humboldt Mine	Bicarbonate Alkalinity	mg/L	93	94
Humboldt Mine	Boron	ug/L	-	98
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	30	30
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 2.0
Humboldt Mine	Cobalt	ug/L	-	< 0.20
Humboldt Mine	Copper	ug/L	< 4.0	< 2.0
Humboldt Mine	Dissolved Oxygen	mg/L	3.32	-
Humboldt Mine	Fluoride	mg/L	< 1.0	0.17
Humboldt Mine	Hardness	mg/L	121	-
Humboldt Mine	Iron	ug/L	640	990
Humboldt Mine	Lead	ug/L	< 3.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	5.7
Humboldt Mine	Magnesium	mg/L	9.8	9.6
Humboldt Mine	Manganese	ug/L	75	80
Humboldt Mine	Mercury	ng/L	< 1.0	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	1.2
Humboldt Mine	Nickel	ug/L	< 20	0.44
Humboldt Mine	Nitrate	mg/L	< 0.1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.1	< 0.01
Humboldt Mine	ORP	mV	-110.8	-
Humboldt Mine	pH	SU	7.97	-
Humboldt Mine	Potassium	mg/L	2.9	2.7
Humboldt Mine	Selenium	ug/L	-	< 0.50
Humboldt Mine	Silver	ug/L	-	< 4.0
Humboldt Mine	Sodium	mg/L	3.1	2.6
Humboldt Mine	Specific Conductance	µS/cm	171.2	-
Humboldt Mine	Sulfate	mg/L	35	37
Humboldt Mine	Sulfide	mg/L	< 0.20	37
Humboldt Mine	Temperature	°C	6.92	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	12.69	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	1531.08	-
Humboldt Mine	Zinc	ug/L	< 10	< 5.0

Humboldt Mill – Mine Permit Groundwater 5/22/17 (MW-703UFB)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.08
Humboldt Mine	Ammonia	mg/L	< 0.025	< 0.01
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5.0	0.46
Humboldt Mine	Barium	ug/L	-	6.8
Humboldt Mine	Beryllium	ug/L	-	< 0.030
Humboldt Mine	Bicarbonate Alkalinity	mg/L	85	80
Humboldt Mine	Boron	ug/L	-	55
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	31	30
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 2.0
Humboldt Mine	Cobalt	ug/L	-	< 0.20
Humboldt Mine	Copper	ug/L	< 4.0	< 2.0
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 1.0	0.12
Humboldt Mine	Hardness	mg/L	127	-
Humboldt Mine	Iron	ug/L	610	610
Humboldt Mine	Lead	ug/L	< 3.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	5.6
Humboldt Mine	Magnesium	mg/L	11	10
Humboldt Mine	Manganese	ug/L	180	160
Humboldt Mine	Mercury	ng/L	< 1.0	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	1.2
Humboldt Mine	Nickel	ug/L	< 20	0.35
Humboldt Mine	Nitrate	mg/L	< 0.1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.1	< 0.01
Humboldt Mine	Phosphorus	mg/L	-	-
Humboldt Mine	Potassium	mg/L	2.4	2.2
Humboldt Mine	Selenium	ug/L	-	< 0.50
Humboldt Mine	Silver	ug/L	-	< 4.0
Humboldt Mine	Sodium	mg/L	2.9	2.3
Humboldt Mine	Specific Conductance	µS/cm	-	-
Humboldt Mine	Strontium	ug/L	-	-
Humboldt Mine	Sulfate	mg/L	46	51
Humboldt Mine	Sulfide	mg/L	< 0.20	51
Humboldt Mine	Total Dissolved Solids	mg/L	-	-
Humboldt Mine	Temperature	°C	-	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	-	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	< 10	< 5.0

Humboldt Mill – Mine Permit Groundwater 5/22/17 (MW-703LLA)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.08
Humboldt Mine	Ammonia	mg/L	0.044	0.03
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5.0	< 0.16
Humboldt Mine	Barium	ug/L	-	6.4
Humboldt Mine	Beryllium	ug/L	-	< 0.030
Humboldt Mine	Bicarbonate Alkalinity	mg/L	81	82
Humboldt Mine	Boron	ug/L	-	130
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	24	25
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	11	17
Humboldt Mine	Chromium	ug/L	-	< 2.0
Humboldt Mine	Cobalt	ug/L	-	< 0.20
Humboldt Mine	Copper	ug/L	< 4.0	< 2.0
Humboldt Mine	Dissolved Oxygen	mg/L	0.55	-
Humboldt Mine	Fluoride	mg/L	< 1.0	0.24
Humboldt Mine	Hardness	mg/L	111	-
Humboldt Mine	Iron	ug/L	580	580
Humboldt Mine	Lead	ug/L	< 3.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	7.9
Humboldt Mine	Magnesium	mg/L	10	9.9
Humboldt Mine	Manganese	ug/L	82	74
Humboldt Mine	Mercury	ng/L	< 1.00	2.15
Humboldt Mine	Molybdenum	ug/L	-	2.8
Humboldt Mine	Nickel	ug/L	< 20	0.44
Humboldt Mine	Nitrate	mg/L	< 0.1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.1	< 0.01
Humboldt Mine	ORP	mV	-256.7	-
Humboldt Mine	pH	SU	8.38	-
Humboldt Mine	Potassium	mg/L	2.9	2.8
Humboldt Mine	Selenium	ug/L	-	< 0.50
Humboldt Mine	Silver	ug/L	-	< 4.0
Humboldt Mine	Sodium	mg/L	6.3	5.4
Humboldt Mine	Specific Conductance	µS/cm	182.9	-
Humboldt Mine	Sulfate	mg/L	32	33
Humboldt Mine	Sulfide	mg/L	< 0.20	-
Humboldt Mine	Temperature	°C	6.87	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	4.85	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	1533.27	-
Humboldt Mine	Zinc	ug/L	< 10	< 5.0

Humboldt Mill – Mine Permit Groundwater 11/27/17 (703 UFB)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.09
Humboldt Mine	Ammonia	mg/L	< 0.025	< 0.40
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5	< 1.0
Humboldt Mine	Barium	ug/L	-	7.5
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	81	87
Humboldt Mine	Boron	ug/L	-	79
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	31	32
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	< 4	< 2.7
Humboldt Mine	Copper	ug/L	-	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 1	0.11
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	124	-
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	1500	2300
Humboldt Mine	Lead	ug/L	< 3	< 0.20
Humboldt Mine	Lithium	ug/L	-	< 26
Humboldt Mine	Magnesium	mg/L	11	11
Humboldt Mine	Manganese	ug/L	170	200
Humboldt Mine	Mercury	ng/L	< 1	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	< 4.5
Humboldt Mine	Nickel	ug/L	< 20	< 13
Humboldt Mine	Nitrate	mg/L	< .1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.05	< 0.09
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	Potassium	mg/L	2.4	2.3
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	3.1	3.2
Humboldt Mine	Specific Conductance	µS/cm	-	-
Humboldt Mine	Strontium	ug/L	-	-
Humboldt Mine	Sulfate	mg/L	45	54
Humboldt Mine	Sulfide	mg/L	< 0.20	-
Humboldt Mine	Total Dissolved Solids	mg/L	-	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Mine Permit Groundwater 11/27/17 (703 LLA)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.09
Humboldt Mine	Ammonia	mg/L	0.038	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5	< 1.0
Humboldt Mine	Barium	ug/L	-	5.7
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	86	87
Humboldt Mine	Boron	ug/L	-	180
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	26	27
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2	< 10
Humboldt Mine	Chloride	mg/L	12	23
Humboldt Mine	Chromium	ug/L	-	2.4
Humboldt Mine	Cobalt	ug/L	-	< 2.7
Humboldt Mine	Copper	ug/L	< 4	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 1	0.2
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	112	110
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	750	2000
Humboldt Mine	Lead	ug/L	< 3	< 0.20
Humboldt Mine	Lithium	ug/L	-	27
Humboldt Mine	Magnesium	mg/L	11	11
Humboldt Mine	Manganese	ug/L	79	78
Humboldt Mine	Mercury	ng/L	< 1	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	5.4
Humboldt Mine	Nickel	ug/L	< 20	< 13
Humboldt Mine	Nitrate	mg/L	< 0.1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.05	< 0.09
Humboldt Mine	Potassium	mg/L	3.6	3.4
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	6.5	7.8
Humboldt Mine	Specific Conductance	µS/cm	-	-
Humboldt Mine	Strontium	ug/L	-	-
Humboldt Mine	Sulfate	mg/L	32	36
Humboldt Mine	Sulfide	mg/L	< 0.20	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	-	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Mine Permit Groundwater 11/27/17 (703 DBA)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.09
Humboldt Mine	Ammonia	mg/L	0.05	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5	< 1.0
Humboldt Mine	Barium	ug/L	-	3.8
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	79	79
Humboldt Mine	Boron	ug/L	-	210
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	19	16
Humboldt Mine	Carbonate Alkalinity	mg/L	10	< 10
Humboldt Mine	Chloride	mg/L	18	14
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	< 4	< 2.7
Humboldt Mine	Copper	ug/L	-	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 1	0.27
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	98	77
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	< 200	950
Humboldt Mine	Lead	ug/L	< 3	< 0.20
Humboldt Mine	Lithium	ug/L	-	26
Humboldt Mine	Magnesium	mg/L	13	8.9
Humboldt Mine	Manganese	ug/L	< 50	15
Humboldt Mine	Mercury	ng/L	< 1	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	7.8
Humboldt Mine	Nickel	ug/L	< 20	< 13
Humboldt Mine	Nitrate	mg/L	< 0.1	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.05	< 0.09
Humboldt Mine	Potassium	mg/L	11	21
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	8.2	12
Humboldt Mine	Sulfate	mg/L	17	27
Humboldt Mine	Sulfide	mg/L	< 0.2	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	-	-
Humboldt Mine	Uranium	ug/L	-	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	-	-
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Mine Permit Groundwater 11/28/17 (704 DBA)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.09
Humboldt Mine	Ammonia	mg/L	< 0.03	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5.0	< 1.0
Humboldt Mine	Barium	ug/L	-	< 2.0
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	119	140
Humboldt Mine	Boron	ug/L	-	180
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	18	21
Humboldt Mine	Carbonate Alkalinity	mg/L	4	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	-	< 2.7
Humboldt Mine	Copper	ug/L	< 4.0	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 1.0	0.33
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	110	99
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	792	1100
Humboldt Mine	Lead	ug/L	< 3.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	40
Humboldt Mine	Magnesium	mg/L	9.3	11
Humboldt Mine	Manganese	ug/L	52	50
Humboldt Mine	Mercury	ng/L	< 1.0	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	4.5
Humboldt Mine	Nickel	ug/L	< 20	< 13
Humboldt Mine	Nitrate	mg/L	< 0.10	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.10	< 0.09
Humboldt Mine	Potassium	mg/L	2.3	2.6
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	9.1	12
Humboldt Mine	Specific Conductance	µS/cm	-	-
Humboldt Mine	Strontium	ug/L	-	-
Humboldt Mine	Sulfate	mg/L	< 1.0	< 3.0
Humboldt Mine	Sulfide	mg/L	< 0.20	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	-	-
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Mine Permit Groundwater 11/28/17 (704 LLA)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	< 0.09
Humboldt Mine	Ammonia	mg/L	< 0.03	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 5.0	< 1.0
Humboldt Mine	Barium	ug/L	-	< 2.0
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	87	100
Humboldt Mine	Boron	ug/L	-	63
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	13	12
Humboldt Mine	Carbonate Alkalinity	mg/L	5	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	-	< 2.7
Humboldt Mine	Copper	ug/L	< 4.0	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	0.32	-
Humboldt Mine	Fluoride	mg/L	< 10	0.052
Humboldt Mine	Hardness	mg/L	88	80
Humboldt Mine	Iron	ug/L	< 200	30
Humboldt Mine	Lead	ug/L	< 3.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	90
Humboldt Mine	Magnesium	mg/L	11	12
Humboldt Mine	Manganese	ug/L	< 50	14
Humboldt Mine	Mercury	ng/L	< 1.0	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	5.7
Humboldt Mine	Nickel	ug/L	< 20	< 13
Humboldt Mine	Nitrate	mg/L	< 0.01	< 0.09
Humboldt Mine	Nitrite	mg/L	< 0.01	< 0.09
Humboldt Mine	ORP	mV	- 289	-
Humboldt Mine	pH	SU	8.1	-
Humboldt Mine	Potassium	mg/L	10	11
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	5.5	6.4
Humboldt Mine	Specific Conductance	µS/cm	305	-
Humboldt Mine	Sulfate	mg/L	2.2	3.6
Humboldt Mine	Sulfide	mg/L	< 0.20	-
Humboldt Mine	Temperature	°C	9.9	-
Humboldt Mine	Thallium	ug/L	-	0.26
Humboldt Mine	Turbidity	NTU	39	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	1534.69	-
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Mine Permit Surface Water 5/18/17 (MER-003)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.14
Humboldt Mine	Ammonia	mg/L	< 0.50	< 0.17
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	1.2	1.4
Humboldt Mine	Barium	ug/L	-	7.9
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	18	< 10
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	5.9	6.1
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	7.3	12
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	-	< 5.4
Humboldt Mine	Copper	ug/L	0.73	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	7.64	-
Humboldt Mine	Flouride	mg/L	0.37	0.04
Humboldt Mine	Hardness	mg/L	22	-
Humboldt Mine	Iron	ug/L	1500	1400
Humboldt Mine	Lead	ug/L	0.190	< 0.20
Humboldt Mine	Lithium	ug/L	-	< 26
Humboldt Mine	Magnesium	mg/L	1.9	1.8
Humboldt Mine	Manganese	ug/L	110	110
Humboldt Mine	Mercury	ng/L	4.71	4.88
Humboldt Mine	Molybdenum	ug/L	-	< 4.5
Humboldt Mine	Nickel	ug/L	0.89	< 13
Humboldt Mine	Nitrate	mg/L	< 0.50	0.12
Humboldt Mine	Nitrite	mg/L	< 0.50	< 0.01
Humboldt Mine	ORP	mV	154.5	-
Humboldt Mine	pH	SU	6.8	-
Humboldt Mine	Potassium	mg/L	0.57	0.6
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	5.0	4.9
Humboldt Mine	Specific Conductance	µS/cm	85.2	-
Humboldt Mine	Sulfate	mg/L	< 1.0	21
Humboldt Mine	Sulfide	mg/L	< 5.0	< 0.67
Humboldt Mine	Temperature	°C	11.76	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Total Dissolved Solids	mg/L	54.0	64
Humboldt Mine	Total Suspended Solids	mg/L	5.2	64
Humboldt Mine	Turbidity	NTU	2.3	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	2.45	< 4.8

Humboldt Mill – Mine Permit Surface Water 5/18/17 (MER-002)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.12
Humboldt Mine	Ammonia	mg/L	< 0.50	< 0.17
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	-	< 1.0
Humboldt Mine	Barium	ug/L	< 1.0	7.1
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	17	13
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	5.5	5.8
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	5.9	12
Humboldt Mine	Chromium	ug/L	-	1.2
Humboldt Mine	Cobalt	ug/L	-	< 5.4
Humboldt Mine	Copper	ug/L	0.67	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	7.42	-
Humboldt Mine	Fluoride	mg/L	< 0.10	< 0.026
Humboldt Mine	Flow	cfs	NM	-
Humboldt Mine	Hardness	mg/L	22	-
Humboldt Mine	Iron	ug/L	1300	1400
Humboldt Mine	Lead	ug/L	0.161	< 0.20
Humboldt Mine	Lithium	ug/L	-	< 26
Humboldt Mine	Magnesium	mg/L	1.7	1.8
Humboldt Mine	Manganese	ug/L	91	95
Humboldt Mine	Mercury	ng/L	4.75	4.87
Humboldt Mine	Molybdenum	ug/L	-	< 4.5
Humboldt Mine	Nickel	ug/L	0.73	< 13
Humboldt Mine	Nitrate	mg/L	< 0.50	0.11
Humboldt Mine	Nitrite	mg/L	< 0.50	< 0.01
Humboldt Mine	ORP	mV	131.8	-
Humboldt Mine	pH	SU	6.37	-
Humboldt Mine	Potassium	mg/L	0.51	0.58
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	3.6	3.7
Humboldt Mine	Specific Conductance	µS/cm	73.7	-
Humboldt Mine	Sulfate	mg/L	< 1.0	5.6
Humboldt Mine	Sulfide	mg/L	< 5.0	< 0.67
Humboldt Mine	Total Dissolved Solids	mg/L	78	60
Humboldt Mine	Total Suspended Solids	mg/L	4.3	4
Humboldt Mine	Turbidity	NTU	1.75	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	2.3	7.9

Humboldt Mill – Mine Permit Surface Water 5/18/17 (MER-001)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.18
Humboldt Mine	Ammonia	mg/L	< 0.50	< 0.17
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	-	< 1.0
Humboldt Mine	Barium	ug/L	< 1.0	7.5
Humboldt Mine	Beryllium	ug/L	-	< 0.40
Humboldt Mine	Bicarbonate Alkalinity	mg/L	15	13
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	-	< 0.20
Humboldt Mine	Calcium	mg/L	5.3	5.5
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 0.05
Humboldt Mine	Chloride	mg/L	5.7	11
Humboldt Mine	Chromium	ug/L	-	1.5
Humboldt Mine	Cobalt	ug/L	-	< 2.7
Humboldt Mine	Copper	ug/L	0.7	4.0
Humboldt Mine	Dissolved Oxygen	mg/L	7.87	-
Humboldt Mine	Fluoride	mg/L	< 0.10	< 0.026
Humboldt Mine	Flow	cfs	NM	-
Humboldt Mine	Hardness	mg/L	22	20
Humboldt Mine	Iron	ug/L	920	1000
Humboldt Mine	Lead	ug/L	0.167	0.23
Humboldt Mine	Lithium	ug/L	-	< 0.20
Humboldt Mine	Magnesium	mg/L	1.5	1.6
Humboldt Mine	Manganese	ug/L	61	74
Humboldt Mine	Mercury	ng/L	5.09	5.23
Humboldt Mine	Molybdenum	ug/L	-	< 4.5
Humboldt Mine	Nickel	ug/L	0.71	< 13
Humboldt Mine	Nitrate	mg/L	< 0.50	0.12
Humboldt Mine	Nitrite	mg/L	< 0.50	< 0.01
Humboldt Mine	ORP	mV	192.5	-
Humboldt Mine	pH	SU	5.96	-
Humboldt Mine	Potassium	mg/L	0.54	0.59
Humboldt Mine	Selenium	ug/L	-	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	3.2	3.1
Humboldt Mine	Specific Conductance	µS/cm	68	-
Humboldt Mine	Sulfate	mg/L	< 1.0	5.4
Humboldt Mine	Sulfide	mg/L	< 5.0	< 0.67
Humboldt Mine	Total Dissolved Solids	mg/L	86	60
Humboldt Mine	Total Suspended Solids	mg/L	4.3	4
Humboldt Mine	Temperature	°C	11.051	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	1.76	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	2.4	< 4.8

Humboldt Mill – Mine Permit Surface Water 11/30/17 (MER-001)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.12
Humboldt Mine	Ammonia	mg/L	0.03	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 1.0	< 1.0
Humboldt Mine	Barium	ug/L	-	5.5
Humboldt Mine	Beryllium	ug/L	-	< 0.03
Humboldt Mine	Bicarbonate Alkalinity	mg/L	16	11
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	0.01	< 0.20
Humboldt Mine	Calcium	mg/L	5.4	5.8
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	< 10	< 6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	0.13	< 0.20
Humboldt Mine	Copper	ug/L	0.53	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 0.10	< 0.026
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	28	22
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	985	1000
Humboldt Mine	Lead	ug/L	0.15	< 0.20
Humboldt Mine	Lithium	ug/L	-	< 26
Humboldt Mine	Magnesium	mg/L	1.6	1.7
Humboldt Mine	Manganese	ug/L	66	55
Humboldt Mine	Mercury	ng/L	3.1	3.4
Humboldt Mine	Molybdenum	ug/L	-	< 0.33
Humboldt Mine	Nickel	ug/L	0.53	0.53
Humboldt Mine	Nitrate	mg/L	< 0.10	0.13
Humboldt Mine	Nitrite	mg/L	< 0.10	0.13
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	Potassium	mg/L	0.52	0.61
Humboldt Mine	Selenium	ug/L	0.22	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	2.4	2.6
Humboldt Mine	Sulfate	mg/L	< 5.0	6.3
Humboldt Mine	Sulfide	mg/L	< 0.20	< 0.050
Humboldt Mine	Thallium	ug/L	-	0.22
Humboldt Mine	Total Dissolved Solids	mg/L	54	52
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	1
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	-	-
Humboldt Mine	Zinc	ug/L	2.6	< 4.8

Humboldt Mill – Mine Permit Surface Water 11/30/17 (MER-002)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.10
Humboldt Mine	Ammonia	mg/L	-	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 1.0	< 1.0
Humboldt Mine	Barium	ug/L	-	6.3
Humboldt Mine	Beryllium	ug/L	-	< 0.03
Humboldt Mine	Bicarbonate Alkalinity	mg/L	6.1	15
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	0.01	< 0.20
Humboldt Mine	Calcium	mg/L	-	6.4
Humboldt Mine	Carbonate Alkalinity	mg/L	-	< 10
Humboldt Mine	Chloride	mg/L	-	< 6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	0.18	< 0.20
Humboldt Mine	Copper	ug/L	0.5	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	11	-
Humboldt Mine	Fluoride	mg/L	-	< 0.026
Humboldt Mine	Flow	cfs	59.5	-
Humboldt Mine	Hardness	mg/L	24	24
Humboldt Mine	Iron	ug/L	1170	1300
Humboldt Mine	Lead	ug/L	0.15	< 0.20
Humboldt Mine	Lithium	ug/L	-	34
Humboldt Mine	Magnesium	mg/L	1.8	1.9
Humboldt Mine	Manganese	ug/L	77	77
Humboldt Mine	Mercury	ng/L	3.6	3.37
Humboldt Mine	Molybdenum	ug/L	-	< 0.33
Humboldt Mine	Nickel	ug/L	0.54	0.64
Humboldt Mine	Nitrate	mg/L	-	0.17
Humboldt Mine	Nitrite	mg/L	-	0.17
Humboldt Mine	ORP	mV	112	-
Humboldt Mine	pH	SU	6.2	-
Humboldt Mine	Potassium	mg/L	0.54	0.59
Humboldt Mine	Selenium	ug/L	0.23	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	3.1	3.5
Humboldt Mine	Specific Conductance	µS/cm	84	-
Humboldt Mine	Sulfate	mg/L	-	6.5
Humboldt Mine	Sulfide	mg/L	-	< 0.050
Humboldt Mine	Total Dissolved Solids	mg/L	60	51
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	2
Humboldt Mine	Temperature	°C	0.25	-
Humboldt Mine	Thallium	ug/L	-	< 0.20
Humboldt Mine	Turbidity	NTU	2.3	-
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Zinc	ug/L	1.9	< 4.8

Humboldt Mill – Mine Permit Surface Water 11/30/17 (MER-003)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.10
Humboldt Mine	Ammonia	mg/L	0.05	< 0.13
Humboldt Mine	Antimony	ug/L	-	< 0.20
Humboldt Mine	Arsenic	ug/L	< 1.0	< 1.0
Humboldt Mine	Barium	ug/L	-	6.7
Humboldt Mine	Beryllium	ug/L	-	< 0.03
Humboldt Mine	Bicarbonate Alkalinity	mg/L	17	16
Humboldt Mine	Boron	ug/L	-	< 53
Humboldt Mine	Cadmium	ug/L	< 0.02	< 0.20
Humboldt Mine	Calcium	mg/L	6.2	6.8
Humboldt Mine	Carbonate Alkalinity	mg/L	< 2.0	< 10
Humboldt Mine	Chloride	mg/L	< 10	6
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	0.2	0.21
Humboldt Mine	Copper	ug/L	0.52	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	-	-
Humboldt Mine	Fluoride	mg/L	< 0.10	< 0.026
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	12	26
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	1180	1300
Humboldt Mine	Lead	ug/L	1.1	< 0.20
Humboldt Mine	Lithium	ug/L	-	55
Humboldt Mine	Magnesium	mg/L	1.9	2.1
Humboldt Mine	Manganese	ug/L	83	90
Humboldt Mine	Mercury	ng/L	3.5	3.35
Humboldt Mine	Molybdenum	ug/L	-	< 0.33
Humboldt Mine	Nickel	ug/L	0.69	0.70
Humboldt Mine	Nitrate	mg/L	< 0.10	0.10
Humboldt Mine	Nitrite	mg/L	< 0.10	0.10
Humboldt Mine	Potassium	mg/L	0.67	0.67
Humboldt Mine	Selenium	ug/L	0.22	< 2.0
Humboldt Mine	Silver	ug/L	-	< 0.20
Humboldt Mine	Sodium	mg/L	4.2	5.2
Humboldt Mine	Sulfate	mg/L	3.5	6.5
Humboldt Mine	Sulfide	mg/L	< 0.20	< 0.050
Humboldt Mine	Total Dissolved Solids	mg/L	114	60
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	1
Humboldt Mine	Vanadium	ug/L	-	< 3.0
Humboldt Mine	Water Elevation	ft MSL	-	-
Humboldt Mine	Zinc	ug/L	2.0	< 4.8

Humboldt Mill – Water Treatment Plant 3/8/17 (EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	-
Humboldt Mine	Ammonia	mg/L	0.29	< 0.20
Humboldt Mine	Antimony	ug/L	3.1	3.0
Humboldt Mine	Arsenic	ug/L	1.5	< 0.27
Humboldt Mine	Barium	ug/L	12	11
Humboldt Mine	Beryllium	ug/L	-	-
Humboldt Mine	Bicarbonate Alkalinity	mg/L	-	-
Humboldt Mine	BOD	mg/L	< 2.0	< 2
Humboldt Mine	Boron	ug/L	110	110
Humboldt Mine	Cadmium	ug/L	< 0.20	< 0.071
Humboldt Mine	Calcium	mg/L	-	-
Humboldt Mine	Carbonate Alkalinity	mg/L	-	-
Humboldt Mine	Chloride	mg/L	-	-
Humboldt Mine	Chromium	ug/L	-	1.4
Humboldt Mine	Cobalt	ug/L	2.4	2.9
Humboldt Mine	Copper	ug/L	< 1.0	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	11.02	-
Humboldt Mine	Fluoride	mg/L	120	0.11
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	240	250
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	-	-
Humboldt Mine	Lead	ug/L	< 1.0	< 0.17
Humboldt Mine	Lithium	ug/L	< 8.0	< 26
Humboldt Mine	Magnesium	mg/L	-	-
Humboldt Mine	Manganese	ug/L	910	900
Humboldt Mine	Mercury	ng/L	< 0.50	0.315
Humboldt Mine	Molybdenum	ug/L	< 25	9.9
Humboldt Mine	Nickel	ug/L	28	29
Humboldt Mine	Nitrate	mg/L	-	-
Humboldt Mine	Nitrite	mg/L	-	-
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	pH	SU	7.0	-
Humboldt Mine	Phosphorus	mg/L	< 0.01	< 0.04
Humboldt Mine	Potassium	mg/L	-	-
Humboldt Mine	Selenium	ug/L	< 1.0	< 0.44
Humboldt Mine	Strontium	ug/L	< 1.0	230
Humboldt Mine	Sulfate	mg/L	200	210
Humboldt Mine	Total Dissolved Solids	mg/L	450	450
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	< 1
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Water Treatment Plant 6/28/17 (EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	-
Humboldt Mine	Ammonia	mg/L	0.2	0.09
Humboldt Mine	Antimony	ug/L	-	1.9
Humboldt Mine	Arsenic	ug/L	< 1.0	< 1.0
Humboldt Mine	Available Cyanide	ug/L	2.5	
Humboldt Mine	Barium	ug/L	-	6.6
Humboldt Mine	Beryllium	ug/L	-	-
Humboldt Mine	Bicarbonate Alkalinity	mg/L	-	-
Humboldt Mine	BOD	mg/L	-	< 2
Humboldt Mine	Boron	ug/L	-	140
Humboldt Mine	Cadmium	ug/L	0	< 0.20
Humboldt Mine	Calcium	mg/L	-	-
Humboldt Mine	Carbonate Alkalinity	mg/L	-	-
Humboldt Mine	Chloride	mg/L	-	-
Humboldt Mine	Chromium	ug/L	-	< 1.0
Humboldt Mine	Cobalt	ug/L	1.2	< 2.7
Humboldt Mine	Copper	ug/L	< 1.0	< 4.8
Humboldt Mine	Dissolved Oxygen	mg/L	8.86	-
Humboldt Mine	Fluoride	mg/L	< 100	0.11
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	-	150
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	-	-
Humboldt Mine	Lead	ug/L	< 1.0	< 0.20
Humboldt Mine	Lithium	ug/L	-	< 50
Humboldt Mine	Magnesium	mg/L	-	-
Humboldt Mine	Manganese	ug/L	365	380
Humboldt Mine	Mercury	ng/L	< 0.50	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	6.8
Humboldt Mine	Nickel	ug/L	7.6	< 13
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	pH (min)	SU	7.77	-
Humboldt Mine	pH (max)	SU	8.38	-
Humboldt Mine	Phosphorus	mg/L	< 0.01	< 0.008
Humboldt Mine	Potassium	mg/L	-	-
Humboldt Mine	Selenium	ug/L	< 1.0	< 2.0
Humboldt Mine	Strontium	ug/L	-	160
Humboldt Mine	Sulfate	mg/L	142	140
Humboldt Mine	Total Cyanide	mg/L	-	< 0.0050
Humboldt Mine	Total Dissolved Solids	mg/L	320	320
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	< 1
Humboldt Mine	Temperature	°C	65.8	-
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Water Treatment Plant 8/2/17 (EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	-
Humboldt Mine	Ammonia	mg/L	0.2	< 0.13
Humboldt Mine	Antimony	ug/L	1.3	1.4
Humboldt Mine	Arsenic	ug/L	< 1.0	< 1.0
Humboldt Mine	Available Cyanide	ug/L	< 2.0	< 0.00072
Humboldt Mine	Barium	ug/L	5.2	5
Humboldt Mine	Beryllium	ug/L	-	-
Humboldt Mine	Bicarbonate Alkalinity	mg/L	-	-
Humboldt Mine	Boron	ug/L	99.7	-
Humboldt Mine	BOD	mg/L	< 0.21	-
Humboldt Mine	Cadmium	ug/L	< 0.20	< 0.20
Humboldt Mine	Calcium	mg/L	-	-
Humboldt Mine	Carbonate Alkalinity	mg/L	-	-
Humboldt Mine	Chloride	mg/L	-	-
Humboldt Mine	Chromium	ug/L	< 1.0	< 1.0
Humboldt Mine	Cobalt	ug/L	< 1.0	< 2.7
Humboldt Mine	Copper	ug/L	< 0.005	< 2.8
Humboldt Mine	Dissolved Oxygen	mg/L	8.43	-
Humboldt Mine	Fluoride	ug/L	< 100	0.060
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	114	110
Humboldt Mine	Inorganic Nitrogen	mg/L	-	-
Humboldt Mine	Iron	ug/L	-	-
Humboldt Mine	Lead	ug/L	< 1.0	< 0.20
Humboldt Mine	Lithium	ug/L	< 8.0	< 50
Humboldt Mine	Magnesium	mg/L	-	-
Humboldt Mine	Manganese	ug/L	190	170
Humboldt Mine	Mercury	ng/L	< 0.50	< 0.194
Humboldt Mine	Molybdenum	ug/L	< 25	< 4.5
Humboldt Mine	Nickel	ug/L	5.4	< 13
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	pH (min)	SU	7.6	-
Humboldt Mine	pH (max)	SU	8.1	-
Humboldt Mine	Selenium	ug/L	< 1.0	< 2.0
Humboldt Mine	Specific Conductance	µS/cm	-	-
Humboldt Mine	Strontium	ug/L	-	100
Humboldt Mine	Sulfate	mg/L	91.8	52
Humboldt Mine	Total Dissolved Solids	mg/L	220	220
Humboldt Mine	Total Phosphorus	mg/L	< 0.010	< 0.05
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	< 1
Humboldt Mine	Temperature	°C	70.2	-
Humboldt Mine	Zinc	ug/L	< 10	< 4.8

Humboldt Mill – Water Treatment Plant 12/27/17 (EFF)

Location	Parameter	Units	Eagle Result	CEMP Result
Humboldt Mine	Aluminum	ug/L	-	0.21
Humboldt Mine	Ammonia	mg/L	0.18	1.0
Humboldt Mine	Antimony	ug/L	-	-
Humboldt Mine	Arsenic	ug/L	< 1.0	< 0.7
Humboldt Mine	Available Cyanide	ug/L	< 2.0	< 0.0050
Humboldt Mine	Barium	ug/L	-	6.5
Humboldt Mine	Beryllium	ug/L	-	-
Humboldt Mine	Bicarbonate Alkalinity	mg/L	-	-
Humboldt Mine	Boron	ug/L	-	100
Humboldt Mine	BOD	mg/L	-	5
Humboldt Mine	Cadmium	ug/L	< 0.20	< 0.07
Humboldt Mine	Calcium	mg/L	-	-
Humboldt Mine	Carbonate Alkalinity	mg/L	-	-
Humboldt Mine	Chloride	mg/L	-	-
Humboldt Mine	Chromium	ug/L	-	1.4
Humboldt Mine	Cobalt	ug/L	< 1.0	< 2.8
Humboldt Mine	Copper	ug/L	< 1.0	< 1.2
Humboldt Mine	Dissolved Oxygen	mg/L	12.82	-
Humboldt Mine	Fluoride	mg/L	-	0.10
Humboldt Mine	Flow	cfs	-	-
Humboldt Mine	Hardness	mg/L	-	120
Humboldt Mine	Lead	ug/L	< 1.0	< 0.30
Humboldt Mine	Lithium	ug/L	-	< 32
Humboldt Mine	Magnesium	mg/L	-	-
Humboldt Mine	Manganese	ug/L	667	660
Humboldt Mine	Mercury	ng/L	< 0.500	< 0.194
Humboldt Mine	Molybdenum	ug/L	-	4.9
Humboldt Mine	Nickel	ug/L	17.5	19
Humboldt Mine	ORP	mV	-	-
Humboldt Mine	pH (min)	SU	8.0	-
Humboldt Mine	pH (max)	SU	8.8	-
Humboldt Mine	Phosphorus	mg/L	< 0.010	-
Humboldt Mine	Potassium	mg/L	-	-
Humboldt Mine	Selenium	ug/L	< 1.0	< 0.81
Humboldt Mine	Sulfate	mg/L	137	130
Humboldt Mine	Total Dissolved Solids	mg/L	270	290
Humboldt Mine	Total Phosphorus	mg/L	-	< 0.04
Humboldt Mine	Total Suspended Solids	mg/L	< 3.3	< 1
Humboldt Mine	Temperature	°C	35.9	-
Humboldt Mine	Zinc	ug/L	< 10	< 9.5

