

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL023B (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/10/17 ^T	Q1 2018 02/15/18 ^T	Q2 2018 05/14/18 ^T
Field					
D.O. ¹	ppm	--	0.3	0.1	0.1
ORP	mV	--	-232	-398	-218
pH	SU	7.8-8.8	6.9	8.2	7.7
Specific Conductance	µS/cm @ 25°C	--	121	117	123
Temperature	°C	--	8.3	6.5	7.7
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1415.02	1415.47	1414.48
Metals					
Aluminum	ug/L	200	<50	--	<50.0
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.5	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20.0
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	159	66	50.5 e	41.6
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25.0
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50.0
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	67	59	63.3	63
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	<1.0 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	8.0	3.6	3.7	2.6
Major Cations					
Calcium	mg/L	16	13	--	13.6
Magnesium	mg/L	3.7	3.3	--	3.3
Potassium	mg/L	2.0	0.70 e	--	<0.50
Sodium	mg/L	11	9.4 e	7.7 e	6.9
General					
Hardness	mg/L	55	46	--	48

Explanations of abbreviations are included on the final page of this table.

QAL023B (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL024A (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/14/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	11	11	12
ORP	mV	--	17	58	102
pH	SU	6.1-7.1	6.5	6.5	6.5
Specific Conductance	µS/cm @ 25°C	--	325	232	251
Temperature	°C	--	8.4	8.3	8.3
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1417.07	1418.02	1417.69
Metals					
Aluminum	ug/L	200	<50	--	<50.0
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	86	36	--	31
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	21	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	105	120	21.5 e	26.5
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25.0
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	56.7
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	24	42	58.6	44
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	68 e	44.1	48.6
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	1.1 e	0.80 a,e	0.92
Sulfate	mg/L	8.0	6.3	6.1	5.5
Major Cations					
Calcium	mg/L	48	20	--	19.3
Magnesium	mg/L	8.1	3.3	--	3.4
Potassium	mg/L	3.7	2.3 e	--	1.9
Sodium	mg/L	2.0	37 e	19.6 e	23
General					
Hardness	mg/L	153	64	--	62

Explanations of abbreviations are included on the final page of this table.

QAL024A (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL025A (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	11	11	11
ORP	mV	--	240	79	112
pH	SU	6.4-7.4	6.6	7.1	6.7
Specific Conductance	µS/cm @ 25°C	--	58	50	49
Temperature	°C	--	7.5	6.9	8.2
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1415.78	1417.37	1417.27
Metals					
Aluminum	ug/L	200	<50	--	<50.0
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20.0
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	126	<20	<20.0 e	<20.0
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25.0
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50.0
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	25	27	22.8	22.2
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	1.2 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	1.1	0.48 e	0.38 a,e	0.35
Sulfate	mg/L	8.0	<2.0	2.0	<2.0
Major Cations					
Calcium	mg/L	8.5	7.7	--	6.3
Magnesium	mg/L	2.0	1.7	--	1.3
Potassium	mg/L	2.0	0.92 e	--	0.72
Sodium	mg/L	2.0	1.0 e,s	0.84 e	0.83
General					
Hardness	mg/L	28	26	--	21

Explanations of abbreviations are included on the final page of this table.

QAL025A (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL025B (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	11	11	11
ORP	mV	--	204	31	67
pH	SU	8.5-9.5	8.4	9.1	8.7
Specific Conductance	µS/cm @ 25°C	--	63	63	65
Temperature	°C	--	7.1	6.9	7.4
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1415.69	1417.26	1417.00
Metals					
Aluminum	ug/L	200	<50	--	<50.0
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20.0
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	56	<20	41.2 e	<20.0
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25.0
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50.0
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	1.1	1.2	1.2
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	36	31	24.2	<2.0
Alkalinity, Carbonate	mg/L	12	35	4.8	<2.0
Chloride	mg/L	4.0	1.0 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.10 e	0.13 a,e	0.13
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	10	8.5	--	8.9
Magnesium	mg/L	2.0	1.7	--	1.6
Potassium	mg/L	2.0	<0.50 e	--	<0.50
Sodium	mg/L	4.5	1.3 e	1.6 e	1.4
General					
Hardness	mg/L	33	28	--	29

Explanations of abbreviations are included on the final page of this table.

QAL025B (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL025D (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/01/17 ^T	Q1 2018 02/06/18 ^T	Q2 2018 05/03/18 ^T
Field					
D.O. ¹	ppm	--	5.4	5.6	5.6
ORP	mV	--	212	24	99
pH	SU	8.2-9.2	8.3	8.7	8.5
Specific Conductance	µS/cm @ 25°C	--	94	98	90
Temperature	°C	--	7.1	7.3	7.2
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1411.54	1412.76	1413.09
Metals					
Aluminum	ug/L	200	77	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.5	2.9	2.7	2.9
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	137	35	<20.0 e	26
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	4.0	3.6	4.1
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	52	42	37.7	44.9
Alkalinity, Carbonate	mg/L	14	4.1	4.0	<2.0
Chloride	mg/L	4.0	1.2 e	1.1	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.16 e	0.13 a,e	0.16
Sulfate	mg/L	8.0	5.0	7.0	4.6
Major Cations					
Calcium	mg/L	12	11	--	11.9
Magnesium	mg/L	2.7	2.8	--	2.7
Potassium	mg/L	2.0	0.67 e	--	0.63
Sodium	mg/L	12	3.5 e	3.3 e	3.4
General					
Hardness	mg/L	42	39	--	41

Explanations of abbreviations are included on the final page of this table.

QAL025D (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL026A (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/01/17 ^T	Q1 2018 02/06/18 ^T	Q2 2018 05/03/18 ^T
Field					
D.O. ¹	ppm	--	i	11	11
ORP	mV	--	i	167	107
pH	SU	6.2-7.2	i	4.8	6.8
Specific Conductance	µS/cm @ 25°C	--	i	118	147
Temperature	°C	--	i	5.3	7.1
Turbidity	NTU	--	i	<1	<1
Water Elevation	ft MSL	--	<1415.4 BP	1417.00	1416.76
Metals					
Aluminum	ug/L	236	i	--	<50
Antimony	ug/L	5.5	i	--	<5.0
Arsenic	ug/L	6.0	i	<2.0	<2.0
Barium	ug/L	80	i	--	<20
Beryllium	ug/L	2.5	i	--	<1.0
Boron	ug/L	400	i	<100	<100
Cadmium	ug/L	2.0	i	--	<0.50
Chromium	ug/L	20	i	--	<5.0
Cobalt	ug/L	40	i	--	<10
Copper	ug/L	20	i	<5.0	<5.0
Iron	ug/L	368	i	232 e	74.4
Lead	ug/L	4.0	i	--	<1.0
Lithium	ug/L	32	i	--	<8.0
Manganese	ug/L	80	i	<20.0 e	<20
Mercury	ng/L	2.00	i	1.03	<0.500 e
Molybdenum	ug/L	40	i	--	<10
Nickel	ug/L	100	i	<25.0	<25
Selenium	ug/L	4.0	i	<1.0	<1.0
Silver	ug/L	0.80	i	--	<0.20
Strontium	ug/L	200	i	--	<50
Thallium	ug/L	2.0	i	--	<2.0
Vanadium	ug/L	4.0	i	<1.0	<1.0
Zinc	ug/L	40	i	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	114	i	58.1	112
Alkalinity, Carbonate	mg/L	8.0	i	<2.0	<2.0
Chloride	mg/L	4.0	i	1.1	<1.0
Fluoride	mg/L	0.40	i	--	<0.10
Nitrogen, Nitrate	mg/L	0.73	i	0.99 a,e	0.96
Sulfate	mg/L	8.0	i	2.3	3.7
Major Cations					
Calcium	mg/L	40.0	i	--	17.1
Magnesium	mg/L	5.9	i	--	2.6
Potassium	mg/L	2.0	i	--	1.1
Sodium	mg/L	2.4	i	0.99 e	1.1
General					
Hardness	mg/L	124	i	--	53

Explanations of abbreviations are included on the final page of this table.

QAL026A (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL026D (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/01/17 ^T	Q1 2018 02/06/18 ^T	Q2 2018 05/03/18 ^T
Field					
D.O. ¹	ppm	--	11	11	12
ORP	mV	--	242	46	122
pH	SU	8.4-9.4	8.3	8.7	8.8
Specific Conductance	µS/cm @ 25°C	--	63	65	61
Temperature	°C	--	7.0	7.0	7.3
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1408.54	1409.60	1409.87
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	31	31	26.3	130
Alkalinity, Carbonate	mg/L	8.0	2.0	4.0	<2.0
Chloride	mg/L	4.0	1.0 e	1.1	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.091 e	0.12 a,e	0.14
Sulfate	mg/L	8.0	2.1	2.1	<2.0
Major Cations					
Calcium	mg/L	13	10	--	9.9
Magnesium	mg/L	2.4	1.5	--	1.5
Potassium	mg/L	2.0	<0.50 e	--	<0.50
Sodium	mg/L	2.0	0.70 e,s	0.59 e	0.66
General					
Hardness	mg/L	43	31	--	31

Explanations of abbreviations are included on the final page of this table.

QAL026D (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL026E (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/08/18 ^T
Field					
D.O. ¹	ppm	--	0.2	<0.1	0.2
ORP	mV	--	-35	-138	-89
pH	SU	8.1-9.1	8.4	8.9	8.3
Specific Conductance	µS/cm @ 25°C	--	119	116	115
Temperature	°C	--	7.2	6.8	7.2
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1408.04	1409.54	1409.88
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	7.8	7.3	7.2	7.3
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20.0
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10.0
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	58	--	61.9
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	91	58	54.8	58.1
Alkalinity, Carbonate	mg/L	8.0	60	<2.0	<2.0
Chloride	mg/L	4.0	1.0 e	<1.0	1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	8.6	7.2	7.6	7.2
Major Cations					
Calcium	mg/L	17	15	--	14.1
Magnesium	mg/L	4.3	4.2	--	4.0
Potassium	mg/L	2.0	1.9 e	--	2.0
Sodium	mg/L	2.0	1.7 e	1.8 e	1.8
General					
Hardness	mg/L	60	55	--	52

Explanations of abbreviations are included on the final page of this table.

QAL026E (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL044B (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/09/17 ^T	Q1 2018 02/14/18 ^T	Q2 2018 05/14/18 ^T
Field					
D.O. ¹	ppm	--	0.2	0.1	0.8
ORP	mV	--	-311	-563	-240
pH	SU	8.3-9.3	9.6	10.9	9.6
Specific Conductance	µS/cm @ 25°C	--	82	79	84
Temperature	°C	--	8.0	7.8	8.0
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1413.94	1414.94	1414.98
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	2.2	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	47.2 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	0.875 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	99	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	64	17	5.6 s	12.1
Alkalinity, Carbonate	mg/L	8.0	38	22.2	15.8
Chloride	mg/L	4.0	1.2 e	1.2	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	24	7.0	7.6	6.2
Major Cations					
Calcium	mg/L	17	10	--	11.8
Magnesium	mg/L	4.0	1.2	--	0.79
Potassium	mg/L	2.0	1.2 e	--	1.2
Sodium	mg/L	2.6	2.2 e	2.3 e	2.4
General					
Hardness	mg/L	58	30	--	33

Explanations of abbreviations are included on the final page of this table.

QAL044B (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL060A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	11	11	11
ORP	mV	--	-28	31	70
pH	SU	8.1-9.1	8.8	8.8	8.5
Specific Conductance	µS/cm @ 25°C	--	75	80	86
Temperature	°C	--	8.0	7.6	8.6
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1403.89	1404.83	1405.41
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	7.2	5.3	4.4	4.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	1.2	1.2	1.2
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	62	36	29.6	42.9
Alkalinity, Carbonate	mg/L	8.0	4.1	8.1	<2.0
Chloride	mg/L	4.0	<1.0 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.18 e	0.26 a,e	0.30
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	17	10	--	11.8
Magnesium	mg/L	4.2	2.4	--	2.6
Potassium	mg/L	2.0	0.85 e	--	0.73
Sodium	mg/L	2.1	0.77 e,s	0.74 e	0.65
General					
Hardness	mg/L	61	35	--	40

Explanations of abbreviations are included on the final page of this table.

QAL060A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL061A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	11	11	11
ORP	mV	--	-24	45	63
pH	SU	8.1-9.1	8.8	8.9	8.3
Specific Conductance	µS/cm @ 25°C	--	94	108	116
Temperature	°C	--	7.4	7.6	8.3
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1405.19	1406.26	1406.75
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	40	48	54.5	119
Alkalinity, Carbonate	mg/L	8.0	2.0	2.0	<2.0
Chloride	mg/L	4.0	1.4 e	1.2	1.2
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.27	0.30 e	0.33 a,e	0.36
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	15	15	--	18
Magnesium	mg/L	2.2	2.8	--	3.2
Potassium	mg/L	2.0	0.77 e	--	0.66
Sodium	mg/L	2.0	0.92 e,s	0.82 e	0.75
General					
Hardness	mg/L	37	49	--	58

Explanations of abbreviations are included on the final page of this table.

QAL061A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL062A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	9.2	8.6	8.6
ORP	mV	--	-19	39	53
pH	SU	8.3-9.3	7.9	8.0	7.6
Specific Conductance	µS/cm @ 25°C	--	397	477	562
Temperature	°C	--	7.5	7.9	8.4
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1406.50	1407.59	1408.09
Metals					
Aluminum	ug/L	200	57	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	22	--	29.2
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	64	--	78.8
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	48	140	170	186
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	46 e	59.1	68.3
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.41	0.57 e	0.83 a,e	0.89
Sulfate	mg/L	8.0	2.1	2.3	2.2
Major Cations					
Calcium	mg/L	12	49	--	68.8
Magnesium	mg/L	2.2	9.7	--	13.8
Potassium	mg/L	2.0	2.1 e	--	2.3
Sodium	mg/L	2.0	17 e	21.8 e	22.6
General					
Hardness	mg/L	40	162	--	229

Explanations of abbreviations are included on the final page of this table.

QAL062A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL063A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/08/18 ^T
Field					
D.O. ¹	ppm	--	9.3	8.1	10
ORP	mV	--	-26	77	83
pH	SU	8.1-9.1	7.9	7.8	7.6
Specific Conductance	µS/cm @ 25°C	--	353	486	443
Temperature	°C	--	8.2	7.8	8.6
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1400.59	1401.26	1401.91
Metals					
Aluminum	ug/L	200	52	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	28.8
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	67	--	84.5
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	42	140	165	167
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	31 e	43.0	50.2
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.29	0.56 e	0.70 a,e	0.78
Sulfate	mg/L	8.0	2.1	2.3	2.2
Major Cations					
Calcium	mg/L	12	55	--	60.1
Magnesium	mg/L	2.0	10	--	12
Potassium	mg/L	2.0	1.6 e	--	1.9
Sodium	mg/L	2.0	2.6 e	9.5 e	11.3
General					
Hardness	mg/L	40	179	--	200

Explanations of abbreviations are included on the final page of this table.

QAL063A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL064D (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/09/17 ^T	Q1 2018 02/14/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	0.2	0.1	0.1
ORP	mV	--	-327	-520	-307
pH	SU	8.0-9.0	8.5	9.5	8.8
Specific Conductance	µS/cm @ 25°C	--	145	141	146
Temperature	°C	--	6.9	6.9	7.3
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1415.60	1415.94	1415.53
Metals					
Aluminum	ug/L	200	51	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10.0
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	35	25.7 e	26.3
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	97	--	102
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	82	78	77.8	74.4
Alkalinity, Carbonate	mg/L	8.0	60	<2.0	<2.0
Chloride	mg/L	4.2	2.6 e	2.2	1.6
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	22	19	--	19.2
Magnesium	mg/L	3.3	4.1	--	4.0
Potassium	mg/L	2.0	1.2 e	--	1.2
Sodium	mg/L	6.9	3.9 e	3.8 e	3.7
General					
Hardness	mg/L	51	64	--	64

Explanations of abbreviations are included on the final page of this table.

QAL064D (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL065D (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/10/17 ^T	Q1 2018 02/15/18 ^T	Q2 2018 05/14/18 ^T
Field					
D.O. ¹	ppm	--	0.2	<0.1	0.3
ORP	mV	--	-274	-353	-170
pH	SU	7.9-8.9	8.6	9.0	8.6
Specific Conductance	µS/cm @ 25°C	--	146	145	146
Temperature	°C	--	7.3	6.0	7.4
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1416.37	1416.19	1416.02
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.6	3.5	3.2	3.9
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	53	48.4 e	40
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	190	--	198
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	86	76	82.4	77.8
Alkalinity, Carbonate	mg/L	8.7	80	<2.0	<2.0
Chloride	mg/L	4.0	<1.0 e	1.1	<1.0
Fluoride	mg/L	0.40	0.13	--	0.13
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	14	12	--	12.4
Magnesium	mg/L	4.8	4.2	--	4.1
Potassium	mg/L	3.0	2.8 e	--	2.5
Sodium	mg/L	12	11 e	10.7 e	10.6
General					
Hardness	mg/L	53	47	--	48

Explanations of abbreviations are included on the final page of this table.

QAL065D (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL066D (UMB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/10/17 ^D	Q1 2018 02/14/18 ^D	Q2 2018 05/14/18 ^T
Field					
D.O. ¹	ppm	--	2.8	2.6	2.2
ORP	mV	--	116	22	10
pH	SU	8.7-9.7	8.8	8.7	8.6
Specific Conductance	µS/cm @ 25°C	--	137	156	123
Temperature	°C	--	8.6	6.1	NM
Turbidity	NTU	--	110	47	<1
Water Elevation	ft MSL	--	1415.10	1415.90	1415.81
Metals					
Aluminum	ug/L	557	<50	--	1320
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	8.9	8.2	7.9	7.8
Barium	ug/L	80	<20	--	20.4
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	288	<20	<20.0 e	583
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	0.343	1.55 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	1.1
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	367	51	--	80
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	1.3	1.2	1.1
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	61	66	56.1	59.6
Alkalinity, Carbonate	mg/L	52	68	8.1	3.9
Chloride	mg/L	4.0	1.3 e	1.2	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.057 e	<0.050 a,e	<0.050
Sulfate	mg/L	11	11	9.8	8.9
Major Cations					
Calcium	mg/L	58	13	--	14.6
Magnesium	mg/L	2.9	2.1	--	3.0
Potassium	mg/L	2.6	1.3 e	--	1.2
Sodium	mg/L	8.0	15 e	14.3 e	10
General					
Hardness	mg/L	146	41	--	49

Explanations of abbreviations are included on the final page of this table.

QAL066D (UMB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL067A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	8.8	8.6	9.3
ORP	mV	--	9	81	101
pH	SU	5.6-6.6	6.2	6.3	6.1
Specific Conductance	µS/cm @ 25°C	--	1275	770	692
Temperature	°C	--	8.2	7.6	8.8
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1413.57	1414.99	1416.45
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	76	--	53.2
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	1.59	1.23	1.27 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	1.6	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	76	--	95.1
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	51	50	60.6	66.3
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	350 e	199	154
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.25	2.1 e	2.1 a,e	1.6
Sulfate	mg/L	8.4	20	15.2	9.8
Major Cations					
Calcium	mg/L	8.2	12	--	16.2
Magnesium	mg/L	2.0	6.5	--	7.2
Potassium	mg/L	2.0	3.2 e	--	2.2
Sodium	mg/L	2.0	230 e	132 e	102
General					
Hardness	mg/L	26	57	--	70

Explanations of abbreviations are included on the final page of this table.

QAL067A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL068A (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	11	11	13
ORP	mV	--	208	151	166
pH	SU	6.2-7.2	6.5	7.1	5.8
Specific Conductance	µS/cm @ 25°C	--	37	36	34
Temperature	°C	--	7.8	7.4	7.8
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1420.76	1422.85	1419.38
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	<20	<20.0 e	62.8
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	35	20	14.6	17.2
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	<1.0 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	8.0	<2.0	<2.0	<2.0
Major Cations					
Calcium	mg/L	6.7	4.9	--	4.5
Magnesium	mg/L	2.0	1.0	--	0.80
Potassium	mg/L	2.0	0.96 e	--	0.81
Sodium	mg/L	2.0	0.69 e,s	0.71 e	0.64
General					
Hardness	mg/L	21	16	--	15

Explanations of abbreviations are included on the final page of this table.

QAL068A (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL068B (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	11	11	13
ORP	mV	--	148	103	95
pH	SU	8.4-9.4	8.7	8.5	8.8
Specific Conductance	µS/cm @ 25°C	--	61	67	59
Temperature	°C	--	7.6	7.1	7.6
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1412.20	1412.64	1414.36
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	184	<20	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	1.1	1.1	1.1
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	30	25	28.6	30.5
Alkalinity, Carbonate	mg/L	9.9	31	<2.0	<2.0
Chloride	mg/L	4.0	1.1 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.20	0.052 e	0.052 a,e	0.054
Sulfate	mg/L	8.0	2.2	2.5	2.2
Major Cations					
Calcium	mg/L	9.4	8.4	--	8.8
Magnesium	mg/L	2.0	1.9	--	1.7
Potassium	mg/L	2.0	0.63 e	--	0.54
Sodium	mg/L	2.0	0.91 e,s	0.81 e	0.81
General					
Hardness	mg/L	31	29	--	29

Explanations of abbreviations are included on the final page of this table.

QAL068B (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL068D (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/08/17 ^T	Q1 2018 02/13/18 ^T	Q2 2018 05/09/18 ^T
Field					
D.O. ¹	ppm	--	1.0	1.9	2.6
ORP	mV	--	52	40	-18
pH	SU	8.0-9.0	8.5	8.8	8.4
Specific Conductance	µS/cm @ 25°C	--	116	131	112
Temperature	°C	--	8.6	5.3	7.3
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1412.43	1413.90	1414.19
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	7.2	4.4	5.0	4.7
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	119	32	<20.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.12	<0.500	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	2.5	2.4	3.7
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	67	59	56.3	58.1
Alkalinity, Carbonate	mg/L	8.0	60	<2.0	<2.0
Chloride	mg/L	4.0	1.1 e	<1.0	<1.0
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.21	<0.050 e	<0.050 a,e	<0.050
Sulfate	mg/L	10	4.9	5.5	5.2
Major Cations					
Calcium	mg/L	16	14	--	14.2
Magnesium	mg/L	3.9	4.1	--	3.8
Potassium	mg/L	2.0	1.3 e	--	1.3
Sodium	mg/L	6.1	4.2 e	4.2 e	3.8
General					
Hardness	mg/L	52	52	--	51

Explanations of abbreviations are included on the final page of this table.

QAL068D (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL069A (Background)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/09/17 ^T	Q1 2018 02/14/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	5.8	5.0	6.8
ORP	mV	--	136	105	103
pH	SU	7.8-8.8	7.0	6.7	6.8
Specific Conductance	µS/cm @ 25°C	--	411	728	589
Temperature	°C	--	10	8.1	9.2
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1381.89	1383.26	1383.36
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	20.5
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	6.7
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	80	30	37.0 e	<20
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	14.2	2.25	1.79 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10.0
Major Anions					
Alkalinity, Bicarbonate	mg/L	138	190	156	166
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	22 e	111	92.3
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.57	1.0 e	0.87 a,e	1.0
Sulfate	mg/L	8.0	8.7	9.8	10.2
Major Cations					
Calcium	mg/L	35	41	--	40.9
Magnesium	mg/L	18	16	--	14.1
Potassium	mg/L	2.0	1.6 e	--	2.1
Sodium	mg/L	2.0	23 e	70.2 e	67.1
General					
Hardness	mg/L	162	168	--	160

Explanations of abbreviations are included on the final page of this table.

QAL069A (Background)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL070A (NCWIB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2015 05/13/15 ^T	Q2 2016 05/17/16 ^T	Q2 2017 05/09/17 ^T	Q2 2018 05/08/18 ^T
Field						
D.O. ¹	ppm	--	11	10	10	13
ORP	mV	--	167	55	182	74
pH	SU	8.3-9.3	8.6	8.5	8.2	8.4
Specific Conductance	µS/cm @ 25°C	--	188	440	524	499
Temperature	°C	--	9.0	9.0	8.2	9.5
Turbidity	NTU	--	<1	<1	<1	<1
Water Elevation	ft MSL	--	1370.25	1369.67	1371.21	1372.25
Metals						
Aluminum	ug/L	200	<50	<50	<50	<50.0
Antimony	ug/L	5.5	<5.0	<5.0	<5.0	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	24	28	26.6
Beryllium	ug/L	2.5	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	400	<100	<100	<100 e	<100
Cadmium	ug/L	2.0	<0.50	<0.50	<0.50	<0.50
Chromium	ug/L	20	<5.0	<5.0	<5.0	<5.0
Cobalt	ug/L	40	<10	<10	<10	<10.0
Copper	ug/L	20	<5.0	<5.0	<5.0 e	<5.0
Iron	ug/L	80	<20	75	<20	<20.0
Lead	ug/L	4.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	32	<8.0	<8.0	<8.0	<8.0
Manganese	ug/L	80	<20	<20	<20	<20.0
Mercury	ng/L	2.00	0.680 e,s	0.535	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	<10	<10	<10.0
Nickel	ug/L	100	<25	<25	<25	<25.0
Selenium	ug/L	4.0	<1.0	<1.0 e	<1.0	<1.0
Silver	ug/L	0.80	<0.20	<0.20	<0.20	<0.20
Strontium	ug/L	200	59	77	74	74
Thallium	ug/L	2.0	<2.0	<2.0	<2.0	<2.0
Vanadium	ug/L	4.0	<2.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10	<10	<10 e	<10.0
Major Anions						
Alkalinity, Bicarbonate	mg/L	42	40	45	56	63
Alkalinity, Carbonate	mg/L	8.0	<2.0 e	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	58	120	120 e	110
Fluoride	mg/L	0.40	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.22	0.98 e	1.0	1.2 e	1.3
Sulfate	mg/L	8.0	3.5	4.3	6.7	7.9
Major Cations						
Calcium	mg/L	11	31	51 e	47	37.8
Magnesium	mg/L	3.0	6.4	9.7	9.9	7.1
Potassium	mg/L	2.0	1.2	1.8	2.0 e	1.8
Sodium	mg/L	2.0	5.5	19	40 e	46.8
General						
Hardness	mg/L	40	104	167	158	124

Explanations of abbreviations are included on the final page of this table.

QAL070A (NCWIB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL071A (TDRSA-CWB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/09/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	11	9.5	11
ORP	mV	--	-15	102	83
pH	SU	8.1-9.1	7.8	7.8	7.6
Specific Conductance	µS/cm @ 25°C	--	622	550	508
Temperature	°C	--	8.1	8.0	9.8
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1405.33	1405.66	1405.80
Metals					
Aluminum	ug/L	200	<50	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	39	--	30.8
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	<5.0
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	178	<20	<20.0 e	29.7
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20
Mercury	ng/L	2.00	<0.500	<0.500	<0.50 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	<25.0	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	100	--	82.7
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	44	130	140	125
Alkalinity, Carbonate	mg/L	8.0	<2.0	<2.0	<2.0
Chloride	mg/L	4.0	27 e	17.2	25.1
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.31	38 e	27.4 a,e	28.6
Sulfate	mg/L	8.0	5.7	6.6	7.6
Major Cations					
Calcium	mg/L	12	84	--	70.3
Magnesium	mg/L	2.0	15	--	11.2
Potassium	mg/L	2.0	1.7 e	--	1.5
Sodium	mg/L	2.0	19 e	14.0 e	16
General					
Hardness	mg/L	38	272	--	222

Explanations of abbreviations are included on the final page of this table.

QAL071A (TDRSA-CWB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL073A (NCWIB)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2015 05/13/15 ^T	Q2 2016 05/17/16 ^T	Q2 2017 05/09/17 ^T	Q2 2018 05/08/18 ^T
Field						
D.O. ¹	ppm	--	11	11	10	12
ORP	mV	--	167	102	210	132
pH	SU	6.1-7.1	6.8	6.7	6.5	6.6
Specific Conductance	µS/cm @ 25°C	--	160	207	217	189
Temperature	°C	--	10	10	8.1	8.6
Turbidity	NTU	--	<1	<1	<1	<1
Water Elevation	ft MSL	--	1382.45	1381.68	1381.91	1383.41
Metals						
Aluminum	ug/L	200	110	<50	<50	<50
Antimony	ug/L	5.5	<5.0	<5.0	<5.0	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	<20	<20	<20
Beryllium	ug/L	2.5	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	400	<100	<100	<100 e	<100
Cadmium	ug/L	2.0	<0.50	<0.50	<0.50	<0.50
Chromium	ug/L	20	<5.0	<5.0	<5.0	<5.0
Cobalt	ug/L	40	<10	<10	<10	<10
Copper	ug/L	20	<5.0	<5.0	<5.0 e	<5.0
Iron	ug/L	132	130	74	<20	41.2
Lead	ug/L	4.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	32	<8.0	<8.0	<8.0	<8.0
Manganese	ug/L	80	<20	<20	<20	<20
Mercury	ng/L	2.00	0.942 e	0.632	<0.500	0.515 e
Molybdenum	ug/L	40	<10	<10	<10	<10
Nickel	ug/L	100	<25	<25	<25	<25
Selenium	ug/L	4.0	<1.0	<1.0 e	<1.0	<1.0
Silver	ug/L	0.80	<0.20	<0.20	<0.20	<0.20
Strontium	ug/L	200	94	98	90	99.2
Thallium	ug/L	2.0	<2.0	<2.0	<2.0	<2.0
Vanadium	ug/L	4.0	<2.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10	<10	<10 e	<10
Major Anions						
Alkalinity, Bicarbonate	mg/L	44	97	100	100	88.2
Alkalinity, Carbonate	mg/L	8.0	<2.0 e	<2.0	<2.0	<2.0
Chloride	mg/L	20	8.4	5.6	3.6 e	2.1
Fluoride	mg/L	0.40	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.60	2.0 e	1.6	1.5 e	1.2
Sulfate	mg/L	8.0	7.9	9.4	9.2	9.0
Major Cations						
Calcium	mg/L	9.2	32	34 e	32	26.1
Magnesium	mg/L	2.5	7.0	7.5	7.1	5.6
Potassium	mg/L	2.0	1.3	1.3	1.4 e	1.3
Sodium	mg/L	2.0	1.8	2.8	3.0 e	2.5
General						
Hardness	mg/L	33	109	116	109	88

Explanations of abbreviations are included on the final page of this table.

QAL073A (NCWIB)

Table 1
Mine Permit Groundwater Quality Monitoring Data
QAL074A (Septic & WWTP)
Eagle Mine

Parameter	Unit	Benchmark	Q2 2017 05/09/17 ^T	Q1 2018 02/12/18 ^T	Q2 2018 05/07/18 ^T
Field					
D.O. ¹	ppm	--	10	8.8	10
ORP	mV	--	146	55	100
pH	SU	8.4-9.4	8.5	8.7	8.4
Specific Conductance	µS/cm @ 25°C	--	263	304	314
Temperature	°C	--	9.0	6.4	13.0
Turbidity	NTU	--	<1	<1	<1
Water Elevation	ft MSL	--	1404.52	1404.94	1403.51
Metals					
Aluminum	ug/L	200	60	--	<50
Antimony	ug/L	5.5	<5.0	--	<5.0
Arsenic	ug/L	6.0	<2.0	<2.0	<2.0
Barium	ug/L	80	<20	--	<20
Beryllium	ug/L	2.5	<1.0	--	<1.0
Boron	ug/L	400	<100 e	<100	<100
Cadmium	ug/L	2.0	<0.50	--	<0.50
Chromium	ug/L	20	<5.0	--	14.5
Cobalt	ug/L	40	<10	--	<10
Copper	ug/L	20	<5.0 e	<5.0	<5.0
Iron	ug/L	212	72	304 e	88.7
Lead	ug/L	4.0	<1.0	--	<1.0
Lithium	ug/L	32	<8.0	--	<8.0
Manganese	ug/L	80	<20	<20.0 e	<20.0
Mercury	ng/L	2.00	0.888	<0.500	<0.500 e
Molybdenum	ug/L	40	<10	--	<10
Nickel	ug/L	100	<25	33.9	<25
Selenium	ug/L	4.0	<1.0	<1.0	<1.0
Silver	ug/L	0.80	<0.20	--	<0.20
Strontium	ug/L	200	<50	--	<50
Thallium	ug/L	2.0	<2.0	--	<2.0
Vanadium	ug/L	4.0	<1.0	<1.0	<1.0
Zinc	ug/L	40	<10 e	<10.0	<10
Major Anions					
Alkalinity, Bicarbonate	mg/L	39	57	66.7	72.3
Alkalinity, Carbonate	mg/L	8.0	60	<2.0	<2.0
Chloride	mg/L	4.0	51 e	45.3	52.7
Fluoride	mg/L	0.40	<0.10	--	<0.10
Nitrogen, Nitrate	mg/L	0.43	1.1 e	1.0 a,e	0.98
Sulfate	mg/L	8.0	6.8	7.3	7.3
Major Cations					
Calcium	mg/L	31	31	--	33.7
Magnesium	mg/L	5.9	6.4	--	6.6
Potassium	mg/L	2.0	1.2 e	--	1.3
Sodium	mg/L	3.5	12 e	14.8	15.7
General					
Hardness	mg/L	103	104	--	111

Explanations of abbreviations are included on the final page of this table.

QAL074A (Septic & WWTP)

Table 1
Groundwater Quality Data
Mine Permit Monitoring
Explanation of Abbreviations and Data Qualifiers
Eagle Project

Abbreviation or Data Qualifier	Explanation
1	Many D.O. values are elevated due to well screen configuration and aquifer characteristics and the low-flow sampling method. Super-saturated DO values are rejected (see R data qualifier) as not being representative of true conditions.
a	Estimated value. Duplicate precision for this parameter exceeded quality control limit.
b	Estimated value. Sample received after EPA established hold time expired.
BP	Below pump. Maximum water elevation is shown.
CWB	Contact Water Basin
D	Sample for metal and major cation parameters was filtered and values are dissolved concentrations.
e	Estimated value. The laboratory statement of data qualifications indicates that a quality control limit for this parameter was exceeded.
f	Value should be considered an estimate because field stabilization was not achieved of at least one parameter.
i	Insufficient water for collection of field parameters and/or sample.
NM	Not measured.
p	Pending. Some parameters/locations require additional baseline data to calculate a benchmark.
Q	Quarter.
R	Measured value was rejected based on quality control procedures.
RL	Laboratory reporting limit.
s	Potential false positive value. Compound present in blank sample.
t	Trending. Benchmarks are not proposed for baseline datasets that appear to be trending (using samples collected through Q4 2012) because the data do not represent a random distribution about the baseline mean. Trend analysis is recommended in place of benchmark screening for parameters that appear to be trending.
T	Sample was not filtered and all values are total concentrations.
TDRSA	Temporary Development Rock Storage Area
UMB	Underground Mine Boundary
	Value is equal to or above site-specific benchmark at a compliance monitoring location. An exceedance occurs if there are 2 consecutive sampling events with a value equal to or greater than the benchmark. Color also indicates compliance monitoring location when applied to column headers.
	Value is equal to or above site-specific benchmark at a background monitoring location. Color also indicates background monitoring location when applied to column headers.