

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL008A (Compliance)

Parameter	Unit	MDL	Q1 2016	Q2 2016
			02/01/16 ^T	05/09/16 ^T
Field				
D.O. ¹	ppm	--	8.6	8.4
ORP	mV	--	143	49
pH	SU	6.5-9.7	9.2	9.1
Specific Conductance	µmhos/cm	--	54	58
Temperature ³	°C	--	13	15
Turbidity	NTU	--	<1	<1
Water Elevation	ft MSL	--	1392.30	1393.39
Metals				
Aluminum	ug/L	150	<50	<50
Antimony	ug/L	5.0	<1.0	<1.0
Arsenic	ug/L	6.0	<1.0	<1.0
Barium	ug/L	1,000	<5.0	<5.0
Beryllium	ug/L	3.0	<1.0	<1.0
Boron	ug/L	285	<20	<20
Cadmium	ug/L	3.0	<0.20	<0.20
Chromium	ug/L	52	<1.0	<1.0
Cobalt	ug/L	23	<15	<15
Copper	ug/L	10	<1.0	<1.0
Iron	ug/L	--	<20	<20
Lead	ug/L	3.0	<1.0	<1.0
Lithium	ug/L	88	<8.0	<8.0
Manganese	ug/L	50	<5.0	<5.0
Mercury	ng/L	--	<0.500	<0.500
Molybdenum	ug/L	22	<5.0	<5.0
Nickel	ug/L	57	<2.0	<2.0
Selenium	ug/L	5.0	<1.0	<1.0
Silver	ug/L	0.40	<0.20	<0.20
Strontium	ug/L	2,300	9.3	10
Thallium	ug/L	1.0	<1.0	<1.0
Uranium	ug/L	--	<1.0	<1.0
Vanadium	ug/L	--	3.1	3.3
Zinc	ug/L	1,200	<10	<10
Major Anions				
Alkalinity, Bicarbonate	mg/L	--	22	28
Chloride	mg/L	--	<1.0	<1.0
Fluoride	mg/L	1.0	<0.10	<0.10
Nitrogen, Ammonia	mg/L	10	<0.020	<0.020
Nitrogen, Nitrate	mg/L	10	0.93	0.74
Nitrogen, Nitrite	mg/L	--	<0.050	<0.050
Nitrogen, Total Inorganic	mg/L	10	0.93	0.74
Phosphorus, Total	mg/L	--	0.0435	0.0476
Sulfate	mg/L	250	<1.0	<1.0
Major Cations				
Calcium	mg/L	--	7.3	8.0
Magnesium	mg/L	--	1.1	1.3
Potassium	mg/L	--	0.53	0.71
Sodium	mg/L	--	2.0	3.0
General				
Hardness	mg/L	--	23	

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL008D (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T	05/09/16 ^T		
Field						
D.O. ¹	ppm	--		6.5		7.0
ORP	mV	--		127		59
pH	SU	6.5-9.7		8.7		8.6
Specific Conductance	µmhos/cm	--		88		89
Temperature ³	°C	--		9		10
Turbidity	NTU	--		<1		<1
Water Elevation	ft MSL	--		1353.95		1353.84
Metals						
Aluminum	ug/L	150		<50		<50
Antimony	ug/L	5.0		<1.0		<1.0
Arsenic	ug/L	6.0		3.3		3.4
Barium	ug/L	1,000		6.6		6.5
Beryllium	ug/L	3.0		<1.0		<1.0
Boron	ug/L	285		<20		<20
Cadmium	ug/L	3.0		<0.20		<0.20
Chromium	ug/L	52		1.6		1.4
Cobalt	ug/L	23		<15		<15
Copper	ug/L	10		<1.0		<1.0
Iron	ug/L	--		<20		<20
Lead	ug/L	3.0	e	<1.0		<1.0
Lithium	ug/L	88		<8.0		<8.0
Manganese	ug/L	50		<5.0		<5.0
Mercury	ng/L	--		<0.500		<0.500
Molybdenum	ug/L	22		<5.0		<5.0
Nickel	ug/L	57		<2.0		<2.0
Selenium	ug/L	5.0		<1.0		<1.0
Silver	ug/L	0.40		<0.20		<0.20
Strontium	ug/L	2,300		37		38
Thallium	ug/L	1.0		<1.0		<1.0
Uranium	ug/L	--		<1.0		<1.0
Vanadium	ug/L	3.1		2.2		2.2
Zinc	ug/L	1,200		<10		<10
Major Anions						
Alkalinity, Bicarbonate	mg/L	--		46		48
Chloride	mg/L	--		<1.0		<1.0
Fluoride	mg/L	1.0		<0.10		<0.10
Nitrogen, Ammonia	mg/L	10	e	<0.020	e	<0.020
Nitrogen, Nitrate	mg/L	10	e,s	0.11		0.10
Nitrogen, Nitrite	mg/L	--		<0.050		<0.050
Nitrogen, Total Inorganic	mg/L	10		0.11		0.10
Phosphorus, Total	mg/L	--		0.0203		0.0221
Sulfate	mg/L	250		4.2		4.2
Major Cations						
Calcium	mg/L	--		14		13
Magnesium	mg/L	--		2.9		3.0
Potassium	mg/L	--		0.76		0.78
Sodium	mg/L	--		1.2		1.3
General						
Hardness	mg/L	--		47		

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL025D (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/02/16 ^T		05/09/16 ^T	
Field						
D.O. ¹	ppm	--	5.6		6.1	
ORP	mV	--	13		62	
pH	SU	6.5-9.7	8.7		8.5	
Specific Conductance	µmhos/cm	--	89		86	
Temperature ³	°C	--	7.0		7.3	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1411.74		1411.53	
Metals						
Aluminum	ug/L	150	52		100	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	2.6		2.8	
Barium	ug/L	1,000	5.4		5.8	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	48		70	a
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	29		30	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	3.8		4.2	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	59		43	
Chloride	mg/L	--	<1.0		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	0.040	
Nitrogen, Nitrate	mg/L	10	0.16		0.17	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.16		0.21	
Phosphorus, Total	mg/L	--	0.0170		0.0201	
Sulfate	mg/L	250	4.7		4.6	
Major Cations						
Calcium	mg/L	--	11		11	
Magnesium	mg/L	--	2.4		2.6	
Potassium	mg/L	--	0.60		0.64	
Sodium	mg/L	--	4.1		4.2	
General						
Hardness	mg/L	--	37			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL026A (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/02/16 ^T		05/09/16 ^T	
Field						
D.O. ¹	ppm	--	14		i	
ORP	mV	--	101		i	
pH	SU	6.5-9.7	6.3		i	
Specific Conductance	µmhos/cm	--	165		i	
Temperature ³	°C	--	5.9		i	
Turbidity	NTU	--	<1		i	
Water Elevation	ft MSL	--	1415.70		NM	
Metals						
Aluminum	ug/L	150	<50		i	
Antimony	ug/L	5.0	<1.0		i	
Arsenic	ug/L	6.0	<1.0		i	
Barium	ug/L	1,000	11		i	
Beryllium	ug/L	3.0	<1.0		i	
Boron	ug/L	285	<20		i	e
Cadmium	ug/L	3.0	<0.20		i	
Chromium	ug/L	52	1.0		i	
Cobalt	ug/L	23	<15		i	
Copper	ug/L	10	<1.0		i	
Iron	ug/L	--	90		i	
Lead	ug/L	3.0	<1.0		i	
Lithium	ug/L	88	<8.0		i	
Manganese	ug/L	50	<5.0		i	
Mercury	ng/L	--	<0.500		i	
Molybdenum	ug/L	22	<5.0		i	
Nickel	ug/L	57	<2.0		i	
Selenium	ug/L	5.0	<1.0		i	
Silver	ug/L	0.40	<0.20		i	
Strontium	ug/L	2,300	48		i	
Thallium	ug/L	1.0	<1.0		i	
Uranium	ug/L	--	<1.0		i	
Vanadium	ug/L	3.1	<1.0		i	
Zinc	ug/L	1,200	<10		i	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	93		i	
Chloride	mg/L	--	1.3		i	
Fluoride	mg/L	1.0	<0.10		i	
Nitrogen, Ammonia	mg/L	10	<0.020	e	i	
Nitrogen, Nitrate	mg/L	10	1.3		i	
Nitrogen, Nitrite	mg/L	--	<0.050		i	
Nitrogen, Total Inorganic	mg/L	10	1.3		i	
Phosphorus, Total	mg/L	--	0.0131		i	
Sulfate	mg/L	250	2.0		i	
Major Cations						
Calcium	mg/L	--	29		i	
Magnesium	mg/L	--	4.4		i	
Potassium	mg/L	--	1.3		i	
Sodium	mg/L	--	1.5		i	
General						
Hardness	mg/L	--	91		ns	

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL026D (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/02/16 ^T		05/09/16 ^T	
Field						
D.O. ¹	ppm	--	12		12	
ORP	mV	--	21		65	
pH	SU	6.5-9.7	8.9		8.4	
Specific Conductance	µmhos/cm	--	60		60	
Temperature ³	°C	--	7.0		7.4	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1408.61		1408.33	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		<1.0	
Barium	ug/L	1,000	<5.0		<5.0	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	11		12	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	<1.0		<1.0	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	31		30	
Chloride	mg/L	--	<1.0		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	0.020	s
Nitrogen, Nitrate	mg/L	10	0.10		0.10	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.10		0.12	
Phosphorus, Total	mg/L	--	0.0205		0.0216	
Sulfate	mg/L	250	1.6		1.8	
Major Cations						
Calcium	mg/L	--	9.9		9.6	
Magnesium	mg/L	--	1.4		1.5	
Potassium	mg/L	--	<0.50		0.50	
Sodium	mg/L	--	0.65		0.73	
General						
Hardness	mg/L	--	30			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL029A (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/02/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	11		i	
ORP	mV	--	62		i	
pH	SU	6.5-9.7	7.6		i	
Specific Conductance	µmhos/cm	--	453		i	
Temperature ³	°C	--	6.3		i	
Turbidity	NTU	--	2		i	
Water Elevation	ft MSL	--	1413.35		1413.01	
Metals						
Aluminum	ug/L	150	570		i	
Antimony	ug/L	5.0	<1.0		i	
Arsenic	ug/L	6.0	<1.0		i	
Barium	ug/L	1,000	41		i	
Beryllium	ug/L	3.0	<1.0		i	
Boron	ug/L	285	<20		i	e
Cadmium	ug/L	3.0	<0.20		i	
Chromium	ug/L	52	2.0		i	
Cobalt	ug/L	23	<15		i	
Copper	ug/L	10	21		i	
Iron	ug/L	--	370		i	
Lead	ug/L	3.0	<1.0		i	
Lithium	ug/L	88	<8.0		i	
Manganese	ug/L	50	8.7		i	
Mercury	ng/L	--	1.60		i	
Molybdenum	ug/L	22	<5.0		i	
Nickel	ug/L	57	<2.0		i	
Selenium	ug/L	5.0	<1.0		i	
Silver	ug/L	0.40	<0.20		i	
Strontium	ug/L	2,300	48		i	
Thallium	ug/L	1.0	<1.0		i	
Uranium	ug/L	--	<1.0		i	
Vanadium	ug/L	3.1	1.8		i	
Zinc	ug/L	1,200	<10		i	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	42		i	
Chloride	mg/L	--	82		i	
Fluoride	mg/L	1.0	<0.10		i	
Nitrogen, Ammonia	mg/L	10	<0.020	e	i	
Nitrogen, Nitrate	mg/L	10	1.8		i	
Nitrogen, Nitrite	mg/L	--	<0.050		i	
Nitrogen, Total Inorganic	mg/L	10	NM		i	
Phosphorus, Total	mg/L	--	0.0772		i	
Sulfate	mg/L	250	3.6		i	
Major Cations						
Calcium	mg/L	--	10		i	
Magnesium	mg/L	--	1.9		i	
Potassium	mg/L	--	1.4		i	
Sodium	mg/L	--	40		i	
General						
Hardness	mg/L	--	33		ns	

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL029D (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/02/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	8.1		8.1	
ORP	mV	--	185		237	
pH	SU	6.5-9.7	6.7		6.6	
Specific Conductance	µmhos/cm	--	1862		2027	
Temperature ³	°C	--	6.9		7.3	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1405.96		1405.47	
Metals						
Aluminum	ug/L	150	<50		<200	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		<1.0	
Barium	ug/L	1,000	120		130	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	1.35		1.73	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	5.2		6.3	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	160		170	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.2		<1.0	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	68		71	
Chloride	mg/L	--	630		630	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.89		1.0	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.89		1.0	
Phosphorus, Total	mg/L	--	0.0109		0.0128	
Sulfate	mg/L	250	7.8		8.1	
Major Cations						
Calcium	mg/L	--	61		69	
Magnesium	mg/L	--	30		35	
Potassium	mg/L	--	3.6		4.1	
Sodium	mg/L	--	310		330	
General						
Hardness	mg/L	--	276			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL050A (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T	05/10/16 ^T		
Field						
D.O. ¹	ppm	--	9.8		11	
ORP	mV	--	32		62	
pH	SU	6.5-9.7	8.9		8.7	
Specific Conductance	µmhos/cm	--	88		94	
Temperature ³	°C	--	10		10	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1363.36		1363.39	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		1.1	
Barium	ug/L	1,000	<5.0		5.3	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	220		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	22		25	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.2		1.3	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	36		37	
Chloride	mg/L	--	5.2		6.8	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.27		0.33	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.27		0.33	
Phosphorus, Total	mg/L	--	0.0166		0.0208	
Sulfate	mg/L	250	2.3		2.5	
Major Cations						
Calcium	mg/L	--	13		13	
Magnesium	mg/L	--	2.6		2.8	
Potassium	mg/L	--	0.77		0.73	
Sodium	mg/L	--	0.99		1.1	
General						
Hardness	mg/L	--	43			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL051A (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	11		12	
ORP	mV	--	94		45	
pH	SU	6.5-9.7	8.3		8.8	
Specific Conductance	µmhos/cm	--	72		72	
Temperature ³	°C	--	6.2		9.6	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1365.14		1365.13	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	1.5		1.4	
Barium	ug/L	1,000	<5.0		<5.0	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	30		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	15		16	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	--	3.8		3.9	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	34		34	
Chloride	mg/L	--	1.5		1.6	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	1.2		1.2	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	1.2		1.2	
Phosphorus, Total	mg/L	--	0.0225		0.0217	
Sulfate	mg/L	250	2.2		1.5	
Major Cations						
Calcium	mg/L	--	11		12	
Magnesium	mg/L	--	2.0		2.4	
Potassium	mg/L	--	0.55		0.61	
Sodium	mg/L	--	1.1		1.2	
General						
Hardness	mg/L	--	36			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL051D (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	1.9		1.9	
ORP	mV	--	-20		23	
pH	SU	6.5-9.7	8.5		8.6	
Specific Conductance	µmhos/cm	--	111		111	
Temperature ³	°C	--	7.5		7.9	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1365.11		1365.05	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	4.7		4.5	
Barium	ug/L	1,000	15		17	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	22		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	1.2		1.3	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	90		95	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.4		1.5	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	57		58	
Chloride	mg/L	--	<1.0		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.090		0.14	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.090		0.14	
Phosphorus, Total	mg/L	--	0.0180		0.0166	
Sulfate	mg/L	250	4.7		4.3	
Major Cations						
Calcium	mg/L	--	16		17	
Magnesium	mg/L	--	3.6		3.7	
Potassium	mg/L	--	1.1		1.2	
Sodium	mg/L	--	3.0		3.1	
General						
Hardness	mg/L	--	55			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL052A (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	3.2		3.3	
ORP	mV	--	25		42	
pH	SU	6.5-9.7	8.5		8.5	
Specific Conductance	µmhos/cm	--	111		111	
Temperature ³	°C	--	6.6		8.8	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1352.43		1352.28	
Metals						
Aluminum	ug/L	150	140		130	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	1.2		1.0	
Barium	ug/L	1,000	6.5		6.9	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	1.2		1.1	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	2.6		2.6	
Iron	ug/L	--	300		230	a
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	48		51	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.4		1.5	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	55		59	
Chloride	mg/L	--	1.1		1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.16		0.13	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.16		0.13	
Phosphorus, Total	mg/L	--	0.0259		0.0155	
Sulfate	mg/L	250	5.8		5.5	
Major Cations						
Calcium	mg/L	--	17		18	
Magnesium	mg/L	--	4.0		4.4	
Potassium	mg/L	--	1.1		1.1	
Sodium	mg/L	--	1.5		1.8	
General						
Hardness	mg/L	--	59			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL053A (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	2.8		3.1	
ORP	mV	--	69		93	
pH	SU	6.5-9.7	8.6		8.5	
Specific Conductance	µmhos/cm	--	105		113	
Temperature ³	°C	--	7.4		8.0	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1385.66		1385.68	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	6.7		7.4	
Barium	ug/L	1,000	7.9		8.5	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	28		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	76		81	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.4		1.5	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	56		60	
Chloride	mg/L	--	<1.0		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	<0.050		<0.050	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	<0.050		<0.050	
Phosphorus, Total	mg/L	--	0.0260		0.0255	
Sulfate	mg/L	250	5.8		5.1	
Major Cations						
Calcium	mg/L	--	15		16	
Magnesium	mg/L	--	3.9		4.1	
Potassium	mg/L	--	1.1		1.2	
Sodium	mg/L	--	1.8		1.9	
General						
Hardness	mg/L	--	53			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL055A (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/09/16 ^T	
Field						
D.O. ¹	ppm	--	9.8		9.0	
ORP	mV	--	77		63	
pH	SU	6.5-9.7	8.7		8.6	
Specific Conductance	µmhos/cm	--	223		294	
Temperature ³	°C	--	9		9	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1364.63		1364.33	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		<1.0	
Barium	ug/L	1,000	12		16	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		1.2	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	1.5		1.1	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	63		87	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	<1.0		<1.0	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	40		54	
Chloride	mg/L	--	44		66	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.62		0.76	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.62		0.76	
Phosphorus, Total	mg/L	--	0.0116		0.0131	
Sulfate	mg/L	250	4.1		4.8	
Major Cations						
Calcium	mg/L	--	29		38	
Magnesium	mg/L	--	6.6		9.0	
Potassium	mg/L	--	1.0		1.2	
Sodium	mg/L	--	2.3		5.3	
General						
Hardness	mg/L	--	100			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL056A (Background)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	10		11	
ORP	mV	--	155		52	
pH	SU	6.5-9.7	8.9		9.0	
Specific Conductance	µmhos/cm	--	61		56	
Temperature ³	°C	--	10		11	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1393.39		1394.28	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		<1.0	
Barium	ug/L	1,000	<5.0		<5.0	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	10		9.5	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	<1.0		<1.0	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	30		30	
Chloride	mg/L	--	<1.0		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.60		0.62	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.60		0.62	
Phosphorus, Total	mg/L	--	0.0271		0.0262	
Sulfate	mg/L	250	<1.0		<1.0	
Major Cations						
Calcium	mg/L	--	9.3		8.7	
Magnesium	mg/L	--	1.4		1.3	
Potassium	mg/L	--	0.66		0.54	
Sodium	mg/L	--	1.7		1.8	
General						
Hardness	mg/L	--	29			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL057A (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	11		11	
ORP	mV	--	110		143	
pH	SU	6.5-9.7	9.1		9.1	
Specific Conductance	µmhos/cm	--	59		62	
Temperature ³	°C	--	10		10	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1362.39		1362.20	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	<1.0		<1.0	
Barium	ug/L	1,000	<5.0		<5.0	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	<1.0		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	<20		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	11		11	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.2		1.3	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	25		29	
Chloride	mg/L	--	1.3		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.38		0.41	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.38		0.41	
Phosphorus, Total	mg/L	--	0.0214		0.0215	
Sulfate	mg/L	250	<1.0		<1.0	
Major Cations						
Calcium	mg/L	--	8.6		9.6	
Magnesium	mg/L	--	1.5		1.7	
Potassium	mg/L	--	0.58		0.63	
Sodium	mg/L	--	1.7		1.7	
General						
Hardness	mg/L	--	28			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL057D (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016	
			02/01/16 ^T		05/10/16 ^T	
Field						
D.O. ¹	ppm	--	7.3		8.6	
ORP	mV	--	113		54	
pH	SU	6.5-9.7	8.7		8.7	
Specific Conductance	µmhos/cm	--	85		83	
Temperature ³	°C	--	9		10	
Turbidity	NTU	--	<1		<1	
Water Elevation	ft MSL	--	1362.45		1362.30	
Metals						
Aluminum	ug/L	150	<50		<50	
Antimony	ug/L	5.0	<1.0		<1.0	
Arsenic	ug/L	6.0	3.8		5.0	
Barium	ug/L	1,000	<5.0		<5.0	
Beryllium	ug/L	3.0	<1.0		<1.0	
Boron	ug/L	285	<20		<20	e
Cadmium	ug/L	3.0	<0.20		<0.20	
Chromium	ug/L	52	1.3		<1.0	
Cobalt	ug/L	23	<15		<15	
Copper	ug/L	10	<1.0		<1.0	
Iron	ug/L	--	37		<20	
Lead	ug/L	3.0	<1.0		<1.0	
Lithium	ug/L	88	<8.0		<8.0	
Manganese	ug/L	50	<5.0		<5.0	
Mercury	ng/L	--	<0.500		<0.500	
Molybdenum	ug/L	22	<5.0		<5.0	
Nickel	ug/L	57	<2.0		<2.0	
Selenium	ug/L	5.0	<1.0		<1.0	
Silver	ug/L	0.40	<0.20		<0.20	
Strontium	ug/L	2,300	37		40	
Thallium	ug/L	1.0	<1.0		<1.0	
Uranium	ug/L	--	<1.0		<1.0	
Vanadium	ug/L	3.1	1.1		1.2	
Zinc	ug/L	1,200	<10		<10	
Major Anions						
Alkalinity, Bicarbonate	mg/L	--	44		42	
Chloride	mg/L	--	1.1		<1.0	
Fluoride	mg/L	1.0	<0.10		<0.10	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020	
Nitrogen, Nitrate	mg/L	10	0.13		0.16	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050	
Nitrogen, Total Inorganic	mg/L	10	0.13		0.16	
Phosphorus, Total	mg/L	--	0.0260		0.0272	
Sulfate	mg/L	250	3.7		3.0	
Major Cations						
Calcium	mg/L	--	13		14	
Magnesium	mg/L	--	2.6		2.8	
Potassium	mg/L	--	1.0		1.0	
Sodium	mg/L	--	1.1		1.1	
General						
Hardness	mg/L	--	43			

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL075A (Compliance)

Parameter	Unit	MDL	Q1 2016	Q2 2016	Q2 2016 Resample		
			02/02/16 ^T	05/09/16 ^T	6/14/16 ^T		
Field							
D.O. ¹	ppm	--	9.5	9.7		10	
ORP	mV	--	92	140		268	
pH	SU	6.5-9.7	8.7	8.7		8.6	
Specific Conductance	µmhos/cm	--	85	88		86	
Temperature ³	°C	--	7.1	7.8		7.9	
Turbidity	NTU	--	<1	<1		<1	
Water Elevation	ft MSL	--	1347.70	1347.52		1347.8	
Metals							
Aluminum	ug/L	150	<50	<50		--	
Antimony	ug/L	5.0	<1.0	<1.0		--	
Arsenic	ug/L	6.0	<1.0	<1.0		--	
Barium	ug/L	1,000	5.9	7.0		--	
Beryllium	ug/L	3.0	<1.0	<1.0		--	
Boron	ug/L	285	<20	<20	e	--	
Cadmium	ug/L	3.0	<0.20	<0.20		--	
Chromium	ug/L	52	<1.0	1.4		--	
Cobalt	ug/L	23	<15	<15		--	
Copper	ug/L	10	<1.0	<1.0		--	
Iron	ug/L	--	<20	<20		--	
Lead	ug/L	3.0	<1.0	<1.0		--	
Lithium	ug/L	88	<8.0	<8.0		--	
Manganese	ug/L	50	<5.0	<5.0		--	
Mercury	ng/L	--	<0.500	<0.500		--	
Molybdenum	ug/L	22	<5.0	<5.0		--	
Nickel	ug/L	57	<2.0	9.4		--	
Selenium	ug/L	5.0	<1.0	<1.0		--	
Silver	ug/L	0.40	<0.20	<0.20		--	
Strontium	ug/L	2,300	18	24		--	
Thallium	ug/L	1.0	<1.0	<1.0		--	
Uranium	ug/L	--	<1.0	<1.0		--	
Vanadium	ug/L	3.1	2.8	3.7		2.8	
Zinc	ug/L	1,200	<10	<10		--	
Major Anions							
Alkalinity, Bicarbonate	mg/L	--	40	43		--	
Chloride	mg/L	--	2.2	2.0		--	
Fluoride	mg/L	1.0	<0.10	<0.10		--	
Nitrogen, Ammonia	mg/L	10	<0.020	<0.020	e	--	
Nitrogen, Nitrate	mg/L	10	0.93	0.72		--	
Nitrogen, Nitrite	mg/L	--	<0.050	<0.050		--	
Nitrogen, Total Inorganic	mg/L	10	0.93	0.72		--	
Phosphorus, Total	mg/L	--	0.0241	0.0249		--	
Sulfate	mg/L	250	2.6	2.3		--	
Major Cations							
Calcium	mg/L	--	12	12		--	
Magnesium	mg/L	--	2.6	2.7		--	
Potassium	mg/L	--	0.65	0.54		--	
Sodium	mg/L	--	1.2	1.2		--	
General							
Hardness	mg/L	--	41	--		--	

Footnote explanations and notes are included at the end of this table.

Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
QAL075D (Compliance)

Parameter	Unit	MDL	Q1 2016		Q2 2016		Q2 2016 Resample	
			02/02/16 ^D		05/09/16 ^T		6/14/16 ^D	
Field								
D.O. ¹	ppm	--	0.6		1.0		0.9	
ORP	mV	--	-34		65		241	
pH	SU	6.5-9.7	8.4		8.4		8.3	
Specific Conductance	µmhos/cm	--	112		119		116	
Temperature ³	°C	--	7.1		8		9.0	
Turbidity	NTU	--	9		2		4.0	
Water Elevation	ft MSL	--	1349.17		1349.03		1349.3	
Metals								
Aluminum	ug/L	150	<50		<50		--	
Antimony	ug/L	5.0	<1.0		<1.0		--	
Arsenic	ug/L	6.0	1.5		1.7		--	
Barium	ug/L	1,000	5.2		5.7		--	
Beryllium	ug/L	3.0	<1.0		<1.0		--	
Boron	ug/L	285	<20		<20	e	--	
Cadmium	ug/L	3.0	<0.20		<0.20		--	
Chromium	ug/L	52	<1.0		86		<1.0	
Cobalt	ug/L	23	<15		<15		--	
Copper	ug/L	10	<1.0		2.9		--	
Iron	ug/L	--	<20		630	a	--	
Lead	ug/L	3.0	<1.0		<1.0		--	
Lithium	ug/L	88	<8.0		<8.0		--	
Manganese	ug/L	50	31		11		--	
Mercury	ng/L	--	<0.500		<0.500		--	
Molybdenum	ug/L	22	<5.0		12		--	
Nickel	ug/L	57	<2.0		54		--	
Selenium	ug/L	5.0	<1.0		<1.0		--	
Silver	ug/L	0.40	<0.20		<0.20		--	
Strontium	ug/L	2,300	49		52		--	
Thallium	ug/L	1.0	<1.0		<1.0		--	
Uranium	ug/L	--	<1.0		<1.0		--	
Vanadium	ug/L	3.1	1.3		1.9		--	
Zinc	ug/L	1,200	<10		<10		--	
Major Anions								
Alkalinity, Bicarbonate	mg/L	--	60		59		--	
Chloride	mg/L	--	1.0		<1.0		--	
Fluoride	mg/L	1.0	<0.10		<0.10		--	
Nitrogen, Ammonia	mg/L	10	<0.020	e	<0.020		--	
Nitrogen, Nitrate	mg/L	10	<0.050		0.054		--	
Nitrogen, Nitrite	mg/L	--	<0.050		<0.050		--	
Nitrogen, Total Inorganic	mg/L	10	<0.050		0.054		--	
Phosphorus, Total	mg/L	--	0.0611		0.0158		--	
Sulfate	mg/L	250	6.5		6.1		--	
Major Cations								
Calcium	mg/L	--	17		17		--	
Magnesium	mg/L	--	3.9		4.0		--	
Potassium	mg/L	--	1.0		1.1		--	
Sodium	mg/L	--	1.4		1.6		--	
General								
Hardness	mg/L	--	58				--	

Footnote explanations and notes are included at the end of this table.

**Eagle Mine Data - Q2 2016
Groundwater Discharge Permit
Footnote Explanation**

Footnote	Explanation
1	Many D.O. values are elevated due to well screen configuration and aquifer characteristics.
2	Wells QAL029A and QAL029D were damaged beyond repair during construction of mine facilities. Replacement wells were constructed nearby in the same formation. The pH of the replacement wells is significantly lower than the background pH values collected from the original wells during the background monitoring period.
3	Temperature measurements are affected by low-flow methodology and may be considerably warmer or colder than actual conditions.
	Exceeds maximum daily limit (MDL) stipulated in Permit GW1810162. MDL is only applicable to compliance monitoring locations.
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.
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	Estimated value. Well was not field stabilized prior to sample collection (typically due to insufficient water volume).
i	Insufficient water for collection of field parameters and/or sample.
MDL	Maximum daily limit. Values are stipulated in Permit GW181062 for selected parameters at downgradient (compliance) monitoring locations.
NM	Not measured.
R	Measured value was rejected based on quality control procedures.
s	Potential false positive value. Compound present in blank sample.
T	Sample was not filtered and all values are total concentrations.

Table 1: Footnote Explanation