

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRM001 (Background)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/18/15	8/9/16	8/22/17	8/2/18	8/19/19
Field								
D.O.	ppm	--	--	5.7	3.4	6.8	1.7	1.5
Flow	cfs	--	--	<0.1	0.1	0.7	0.6	0.4
pH	SU	--	6.2-7.2	6.7	6.3	6.6	6.3	6.5
Specific Conductance	µS/cm @ 25°C	--	--	56	60	53	78	72
Temperature	°C	--	--	16	16	18	14	14
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	1.1	<1.0	<1.0	<1.0	7.7
Iron	ug/L	20	6,195	760	840	651	2,830	2,350
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	392	53	62	49.4 e	192 e	97.7
Mercury	ng/L	0.500	2.85	1.07	1.16	1.23 e	3.48	1.2
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<5.0	<1.0 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	98	50 s	92 e	100	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRM002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/9/16	8/22/17	8/2/18	8/19/19
Field								
D.O.	ppm	--	--	7.4	7.2	8.0	8.1	8.4
Flow	cfs	--	--	1.2	1.1	2.6	1.5	1.6
pH	SU	--	6.3-7.3	7.3	6.8	7.0	6.8	7.1
Specific Conductance	µS/cm @ 25°C	--	--	76	66	67	77	62
Temperature	°C	--	--	19	18	17	13	12
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	703	270	250	331	324	493
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	10	<10	10.9 e	<10.0 e	10.4
Mercury	ng/L	0.500	2.36	1.60	1.46	1.88 e	1.73	1.71
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	1.4 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	50	58	<50 e	<50	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRM004 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/10/16	8/21/17	8/1/18	8/29/19
Field								
D.O.	ppm	--	--	9.3	9.2	9.5	9.3	10
Flow	cfs	--	--	3.2	4.1	6.2	5.6	6.4
pH	SU	--	7.2-8.2	7.9	7.4	7.6	7.7	7.4
Specific Conductance	µS/cm @ 25°C	--	--	103	91	103	110	99
Temperature	°C	--	--	16	16	15	14	11
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.2	1.5	1.2	1.3	1.3
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	500	190	200	239	231	317
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	13	14	16.8 e	15.7 e	26.3
Mercury	ng/L	0.500	3.47	1.90	3.74	2.40 e	1.74	1.76
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	2.2 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	68	108	156 e	76	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRM005 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
				Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/18/15	8/9/16	8/22/17	8/2/18	8/19/19
Field								
D.O.	ppm	--	--	8.9	10	9.3	10	10
Flow	cfs	--	--	24	27	54	37	43
pH	SU	--	6.6-7.6	8.1	7.9	7.6	8.0	8.0
Specific Conductance	µS/cm @ 25°C	--	--	142	122	130	148	142
Temperature	°C	--	--	16	18	15	13	15
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.1	<1.0	1.0	1.1	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	201	150	160	329	174	1,000
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	12	11	24.2 e	10.8 e	190
Mercury	ng/L	0.500	2.00	0.961	0.914	2.42 e	1.12	4.45
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	2.3	2.7	<1.0	1.1	1.4 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	66	92	72 e	144	66

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRE001 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
				Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/19/15	8/12/16	8/24/17	8/6/18	8/26/19
Field								
D.O.	ppm	--	--	9.7	9.0	10	9.4	10
Flow	cfs	--	--	9.7	18	13	15	9.5
pH	SU	--	7.1-8.1	7.8	7.5	7.4	7.6	7.5
Specific Conductance	µS/cm @ 25°C	--	--	125	111	141	147	144
Temperature	°C	--	--	14	14	9.2	16	12
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.4	1.4	1.2	1.4	1.2
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	109	81	180	149	121	147
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	14	21	23.1 e	15.8 e	18
Mercury	ng/L	0.500	2.00	0.885	2.22	1.42 e	1.04	0.880
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	2.7	<1.0	<1.0	1.1	3.6 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	92	118	196 e	64	60

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRE002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/10/16	8/21/17	8/6/18	8/29/19
Field								
D.O.	ppm	--	--	9.7	9.8	10	10	11
Flow	cfs	--	--	6.6	12	16	16	15
pH	SU	--	7.4-8.4	8.0	7.8	7.7	7.7	7.5
Specific Conductance	µS/cm @ 25°C	--	--	141	125	143	150	146
Temperature	°C	--	--	15	15	14	15	10
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.2	1.5	1.4	1.5	1.3
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	191	81	110	172	120	97.5
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	10	14	22.3 e	16 e	13.9
Mercury	ng/L	0.500	2.00	0.994	1.06	2.09 e	1.15	0.820
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	2.9	3.4	<1.0	<1.0	3.6 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	86	102	106 e	108	77

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRE005 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
				Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/10/16	8/21/17	8/1/18	8/19/19
Field								
D.O.	ppm	--	--	8.8	8.2	9.0	8.7	9.3
Flow	cfs	--	--	0.2	0.2	0.6	0.5	0.7
pH	SU	--	7.3-8.3	8.0	7.8	7.6	7.9	7.9
Specific Conductance	µS/cm @ 25°C	--	--	138	136	142	160	154
Temperature	°C	--	--	18	18	16	16	15
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	1.1
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	501	230	330	411	287	147
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	25	47	52.3 e	24.5 e	10.9
Mercury	ng/L	0.500	2.00	1.16	2.47	4.26 e	1.77	0.880
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	3.3 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	92	116	146 e	154	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRE009 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
				Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/10/16	8/21/17	8/1/18	8/19/19
Field								
D.O.	ppm	--	--	7.5	10	7.8	7.9	10
Flow	cfs	--	--	2.7	3.8	4.2	3.4	4.3
pH	SU	--	7.2-8.2	8.4	7.7	7.4	7.2	7.6
Specific Conductance	µS/cm @ 25°C	--	--	75	106	126	132	127
Temperature	°C	--	--	16	15	13	14	11
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.4	1.0	1.3	1.2	1.2
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	2.6
Iron	ug/L	20	224	170	72	132	149	107
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	36	30	<10	21.1 e	30 e	21.2
Mercury	ng/L	0.500	2.85	1.99	0.906	1.30 e	1.97	0.680
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	1.1	2.2	<1.0	1.2	3.1 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	72	84	58 e	116	53

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 STRE010 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/17/15	8/10/16	8/21/17	8/1/18	8/26/19
Field								
D.O.	ppm	--	--	10	11	11	11	11
Flow	cfs	--	--	1.9	2.5	2.9	2.8	3.0
pH	SU	--	7.2-8.2	7.7	7.7	7.6	7.8	7.6
Specific Conductance	µS/cm @ 25°C	--	--	124	110	129	136	132
Temperature	°C	--	--	11	12	11	11	9.8
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	135	120	86	111	99.4	124
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	16	10	12.1 e	11.1 e	16.6
Mercury	ng/L	0.500	2.00	1.44	0.908	1.39 e	0.930	0.830
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	1.8	2.8 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	86	96	56 e	86	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 YDRM002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
				Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/18/15	8/9/16	8/22/17	8/2/18	8/19/19
Field								
D.O.	ppm	--	--	7.6	7.9	7.7	8.1	8.5
Flow	cfs	--	--	8.5	7.0	40	13	20
pH	SU	--	6.6-7.6	7.7	7.1	6.9	7.0	7.5
Specific Conductance	µS/cm @ 25°C	--	--	90	70	45	74	80
Temperature	°C	--	--	18	20	17	15	15
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	1.4	<1.0	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	1,270	1,000	930	1,950	939	689
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	26	27	61.3 e	22.2 e	13.5
Mercury	ng/L	0.500	3.10	1.67	1.92	5.11 e	2.96	1.32
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<5.0	3.6 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	84	62	172 e	<50	<50.0

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q3 CDRM004 (Reference)
Eagle Mine

Parameter	Unit	Permit RL	Seasonal Benchmark	Q3 MPSW Results (2015-2019)				
			Q3	Q3 2015	Q3 2016	Q3 2017	Q3 2018	Q3 2019
			Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow	Summer Baseflow
				8/19/15	8/12/16	8/24/17	8/6/18	8/29/19
Field								
D.O.	ppm	--	--	9.8	9.4	11	10	11
Flow	cfs	--	--	6.7	25	14	13	13
pH	SU	--	7.2-8.2	7.9	7.2	7.3	7.8	7.6
Specific Conductance	µS/cm @ 25°C	--	--	152	124	139	155	151
Temperature	°C	--	--	14	15	10	15	11
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	3.0	3.2	1.9	2.6	2.1
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50 e	<50	<50.0	<50.0 e
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10.0	<10.0
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	309	170	340	242	163	141
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	44	30	37	20.2 e	18.1 e	17.0
Mercury	ng/L	0.500	2.00	1.12	2.63	1.60 e	0.770	0.950
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0 e	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10 e	<10.0	<10.0
Major Anions								
Alkalinity, Bicarbonate	mg/L	2.0	--	--	--	--	--	--
Alkalinity, Carbonate	mg/L	2.0	--	--	--	--	--	--
Chloride	mg/L	1.0	--	--	--	--	--	--
Fluoride	mg/L	0.10	--	--	--	--	--	--
Nitrogen, Nitrate	mg/L	0.050	--	--	--	--	--	--
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	1.8 e
Major Cations								
Calcium	mg/L	0.50	--	--	--	--	--	--
Magnesium	mg/L	0.50	--	--	--	--	--	--
Potassium	mg/L	0.50	--	--	--	--	--	--
Sodium	mg/L	0.50	--	--	--	--	--	--
General								
Hardness	mg/L	3	--	--	--	--	--	--
TDS	mg/L	50	200	144	144	92 e	102	77

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

Table 2
Mine Permit Surface Water Quality Monitoring Data
Footnote Explanation
Eagle Project

Footnote	Explanation
a	Estimated value. Duplicate precision for this parameter exceeded quality control limit.
b	Estimated value. Sample received after EPA established hold time expired.
e	Estimated value. The laboratory statement of data qualifications indicates that a quality control limit for this parameter was exceeded.
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.
Note:	Date shown is the date analytical samples were collected. Flow measurements may have been made on a different day.
	Value is equal to or above site-specific benchmark at a compliance monitoring location. An exceedance occurs when a value is equal to or greater than the benchmark for 2 consecutive seasons.
	Value is equal to or above the site-specific benchmark at the background (STRM001) or reference (CDRM004) monitoring location.
Q1	First quarter.
Q2	Second quarter.
Q3	Third quarter.
Q4	Fourth quarter.