

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRM001 (Background)
Eagle Mine

Parameter	Unit	Permit RL	STRM001 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/27/13	3/4/14	2/25/15	2/15/16
Field								
D.O.	ppm	--	--	3.2	5.3	6.2	5.1	6.9
Flow	cfs	--	--	NM	NM	0.3	<0.1	<0.1
pH	SU	--	6.2-7.2	6.1	6.5	6.3	6.4	7.1
Specific Conductance	µS/cm @ 25°C	--	--	R	41	42	16	35
Temperature	°C	--	--	0.4	0.1	0.1	0.0	0.0
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	1.2	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	875	810	450	680	650	300
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	44	22	31	37	36	16
Mercury	ng/L	0.500	2.00	0.681	0.537	1.05	1.06	0.685
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	<1.0
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	<50	<50	<50	<50

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

Q1 STRM001 (Background)

**Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRM002 (Compliance)
Eagle Mine**

Parameter	Unit	Permit RL	STRM002 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
Field								
D.O.	ppm	--	--	12	12	12	13	11
Flow	cfs	--	--	1.4	1.2	1.3	1.7	1.5
pH	SU	--	6.8-7.8	7.0	7.2	7.2	7.2	6.9
Specific Conductance	µS/cm @ 25°C	--	--	R	70	35	60	69
Temperature	°C	--	--	0.5	0.3	0.1	0.3	0.2
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	304	250	210	220	180	230
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	13	<10	11	<10	12
Mercury	ng/L	0.500	2.00	0.841	<0.500	1.23	0.518	0.960
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	250	<10	<10	30	<10	<10
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	<1.0
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	62	54	52	<50	<50

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

Q1 STRM002 (Compliance)

**Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRM004 (Compliance)
Eagle Mine**

Parameter	Unit	Permit RL	STRM004 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/25/13	3/6/14	2/24/15	2/22/16
Field								
D.O.	ppm	--	--	14	14	14	14	14
Flow	cfs	--	--	4.1	4.1	4.9	1.6	8.2
pH	SU	--	7.0-8.0	7.5	7.6	7.8	7.3	7.6
Specific Conductance	µS/cm @ 25°C	--	--	R	105	101	97	85
Temperature	°C	--	--	0.0	1.0	0.0	0.0	0.0
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	1.1	<1.0	<1.0	1.2
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	312	280	200	240	210	690
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	16	12	15	19	46
Mercury	ng/L	0.500	2.49	2.04	1.71	1.95	1.89	6.40
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	14	<10	<10	<10	<10
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	4.5	1.4	3.3	2.9	<1.0	<1.0
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	54	62	66	52	52

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

Q1 STRM004 (Compliance)

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRM005 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRM005 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
Field								
D.O.	ppm	--	--	14	14	14	15	14
Flow	cfs	--	--	38	36	29	39	38
pH	SU	--	7.1-8.1	7.5	7.8	7.6	7.5	7.6
Specific Conductance	µS/cm @ 25°C	--	--	R	135	136	121	129
Temperature	°C	--	--	0.0	0.0	0.0	0.0	0.0
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	166	130	120	130	140	150
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	<10	<10	11	11	<10
Mercury	ng/L	0.500	2.00	0.892	0.633	0.970	0.678	0.873
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	1.6	<1.0
Selenium	ug/L	2.0	8.0	<2.0	4.9 e	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	6.6	4.5	5.8	5.1	3.8	4.6
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	88	82	<50	56	86

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

Q1 STRM005 (Compliance)

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRE001 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE001 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/27/13	3/6/14	2/24/15	2/22/16
Field								
D.O.	ppm	--	--	13	12	12	13	13
Flow	cfs	--	--	NM	11	14	16	16
pH	SU	--	7.3-8.3	7.8	7.7	7.7	7.7	7.4
Specific Conductance	µS/cm @ 25°C	--	--	R	136	136	122	128
Temperature	°C	--	--	1.6	2.3	2.3	0.0	0.9
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	1.2	1.1	<1.0	1.1
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	96	71	63	57	72	84
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	<10	<10	<10	<10	<10
Mercury	ng/L	0.500	2.00	<0.500	<0.500	1.03	0.901	1.12
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	1.2	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	4.4 e	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	10	<10	<10	<10	<10
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	6.1	4.4	5.3	5.6	4.5	4.1
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	90	74	68	64	86

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

Q1 STRE001 (Compliance)

**Table 2
 Mine Permit Surface Water Quality Monitoring Data
 Q1 STRE002 (Compliance)
 Eagle Mine**

Parameter	Unit	Permit RL	STRE002 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/26/13	3/7/14	2/24/15	2/22/16
Field								
D.O.	ppm	--	--	14	13	14	13	13
Flow	cfs	--	--	15	13	14	3.8	15
pH	SU	--	7.3-8.3	7.6	7.9	7.8	7.6	7.7
Specific Conductance	µS/cm @ 25°C	--	--	R	138	110	113	129
Temperature	°C	--	--	0.8	2.6	0.0	0.0	0.8
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	1.5	1.1	1.0	1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	165	68	79	76	82	97
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	<10	<10	<10	11	<10
Mercury	ng/L	0.500	2.00	0.585	0.542	1.07	1.14	1.21
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	5.7	4.6	5.1	5.2	4.5	4.6
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	94	78	78	70	74

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

Q1 STRE002 (Compliance)

**Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRE005 (Compliance)
Eagle Mine**

Parameter	Unit	Permit RL	STRE005 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/25/13	3/6/14	2/16/15	2/22/16
Field								
D.O.	ppm	--	--	13	14	14	14	14
Flow	cfs	--	--	0.8	0.8	0.8	0.8	1.4
pH	SU	--	7.1-8.1	7.4	7.6	7.5	7.8	7.5
Specific Conductance	µS/cm @ 25°C	--	--	R	123	123	68	100
Temperature	°C	--	--	0.0	0.5	0.0	0.0	0.0
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	489	420	170	190	130	230
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	66	57	23	21	20	27
Mercury	ng/L	0.500	2.00	1.10	1.33	1.50	0.731	2.40
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	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	6.1	3.3	4.3	4.2	5.5	1.5
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	82	72	80	68	54

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

Q1 STRE005 (Compliance)

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRE009 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE009 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
Field								
D.O.	ppm	--	--	13	13	13	14	13
Flow	cfs	--	--	3.6	3.5	4.1	3.4	3.9
pH	SU	--	7.1-8.1	7.7	7.7	7.3	7.8	7.8
Specific Conductance	µS/cm @ 25°C	--	--	R	119	118	59	117
Temperature	°C	--	--	2.4	2.7	0.0	0.3	0.9
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	<1.0	1.5	<1.0	<1.0	<1.0
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	86	69	78	55	58	83
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	<10	<10	<10	<10	<10
Mercury	ng/L	0.500	2.00	<0.500	<0.500	1.10	<0.500	0.561
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	4.8	4.0	4.4	4.6	4.2	4.0
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	80	78	80	68	<50

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

Q1 STRE009 (Compliance)

**Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 STRE010 (Compliance)
Eagle Mine**

Parameter	Unit	Permit RL	STRE010 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/25/13	3/3/14	2/17/15	2/22/16
Field								
D.O.	ppm	--	--	13	13	13	14	13
Flow	cfs	--	--	3.6	2.7	2.7	2.8	3.3
pH	SU	--	7.3-8.3	7.7	7.8	7.8	7.8	8.0
Specific Conductance	µS/cm @ 25°C	--	--	R	123	123	112	117
Temperature	°C	--	--	2.4	2.9	2.9	0.5	1.2
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	280	69	130	250	130	180
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	<10	16	29	14	19
Mercury	ng/L	0.500	4.07	<0.500	2.11	3.44	1.15	2.28
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	4.7	4.0	3.8	4.2	3.1	3.1
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	80	70	68	62	70

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

Q1 STRE010 (Compliance)

**Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 YDRM002 (Compliance)
Eagle Mine**

Parameter	Unit	Permit RL	YDRM002 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/28/13	3/4/14	2/25/15	2/15/16
Field								
D.O.	ppm	--	--	11	11	11	11	11
Flow	cfs	--	--	14	12	17	15	17
pH	SU	--	6.5-7.5	6.6	7.0	6.8	6.7	6.9
Specific Conductance	µS/cm @ 25°C	--	--	R	72	74	63	68
Temperature	°C	--	--	0.0	0.0	0.0	0.0	0.0
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	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	1231	660	540	1400	640	530
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	44	35	27	43	33	28
Mercury	ng/L	0.500	2.73	1.68	1.27	1.76	2.04	1.50
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	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	94	<10	22	<10	<10	<10
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	5.9	<1.0	3.3	3.9	<1.0	<1.0
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	64	66	64	52

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

Q1 YDRM002 (Compliance)

Table 2
Mine Permit Surface Water Quality Monitoring Data
Q1 CDRM004 (Reference)
Eagle Mine

Parameter	Unit	Permit RL	CDRM004 Seasonal Benchmark	Q1 2016				
			Q1	Q1 2012	Q1 2013	Q1 2014	Q1 2015	Q1 2016
			Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow	Winter Baseflow
				2/13/12	2/6/13	3/7/14	2/16/15	2/25/16
Field								
D.O.	ppm	--	--	14	13	14	14	14
Flow	cfs	--	--	13	13	11	8.8	15
pH	SU	--	7.1-8.1	7.5	7.7	7.4	7.2	7.4
Specific Conductance	µS/cm @ 25°C	--	--	R	138	136	129	127
Temperature	°C	--	--	0.0	1.5	0.6	0.0	0.3
Metals								
Aluminum	ug/L	50	--	--	--	--	--	--
Antimony	ug/L	2.0	--	--	--	--	--	--
Arsenic	ug/L	1.0	4.0	1.4	1.5	1.3	<1.0	1.2
Barium	ug/L	10	--	--	--	--	--	--
Beryllium	ug/L	1.0	--	--	--	--	--	--
Boron	ug/L	50	200	<50	<50	<50	<50	<50
Cadmium	ug/L	0.20	--	--	--	--	--	--
Chromium	ug/L	1.0	--	--	--	--	--	--
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	120	82	120	95	80	84
Lead	ug/L	1.0	--	--	--	--	--	--
Lithium	ug/L	10	--	--	--	--	--	--
Manganese	ug/L	10	40	11	14	12	<10	<10
Mercury	ng/L	0.500	2.00	0.673	0.753	1.10	0.589	0.969
Molybdenum	ug/L	10	--	--	--	--	--	--
Nickel	ug/L	1.0	4.0	1.3	<1.0	<1.0	<1.0	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0 e	<2.0	<2.0	<2.0
Silver	ug/L	0.20	--	--	--	--	--	--
Zinc	ug/L	10	40	<10	<10	<10	<10	<10
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	6.6	<1.0	4.3	2.6	<1.0	<1.0
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	102	80	86	80	82

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

Q1 CDRM004 (Reference)

Table 2
Mine Permit Surface Water Quality Monitoring Data Q1 2015
Abbreviations & Data Qualifiers
Eagle Mine

Abbreviation or Data Qualifier	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.
	Value is equal to or above site-specific benchmark. An exceedance occurs if there are 2 consecutive seasonal sampling events (e.g., Q1 2012 & Q1 2013) with a value equal to or greater than the benchmark at compliance monitoring location.