Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRM001 (Background)
Eagle Mine

Parameter	Unit	Permit RL	STRM001 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	5/7/13	4/23/14	5/4/15	5/4/16	4/10/17
Field									
D.O.	ppm	--	--	**7.4**	**7.5**	**7.8**	**6.4**	**7.1**	**8.5**
Flow	cfs	--	--	NM	**0.4**	**1.0**	**0.6**	**0.4**	NM
pH	SU	--	6.2-7.2	**6.2**	**6.2**	**6.6**	**6.1**	**6.7**	**6.8**
Specific Conductance	µS/cm @ 25°C	--	--	**27**	**27**	**27**	**38**	**39**	**27**
Temperature	°C	--	--	**11**	**9.8**	**1.7**	**15**	**5.0**	**3.6**
Metals									
Aluminum	ug/L	50	200	<50	<50	<50	<50	<50	**65**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	<10	<10	**11**	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	1,616	**260** e	**320**	**350**	**510**	**350** e	**290**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	179	<10	<10	<10	**27**	**16**	<10
Mercury	ng/L	0.500	3.58	**2.50**	**3.35**	**2.31** e	**1.52**	**1.42**	**4.23**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	40	**12**	**10**	**9.8**	**30**	**18**	**11**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	7.3	**1.4**	**1.4**	**1.1**	<1.0	<1.0	**1.2**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	<0.050 e	<0.050 e	<0.050	<0.050 e	<0.050
Sulfate	mg/L	1.0	10	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	11	**3.7**	**3.1**	**3.5**	**5.4**	**5.5**	**3.8**
Magnesium	mg/L	0.50	2.4	**0.82**	**0.72**	**0.81**	**1.2**	**1.2**	**0.87**
Potassium	mg/L	0.50	2.00	<0.50	<0.50	<0.50	**0.61**	**0.52**	**0.74**
Sodium	mg/L	0.50	2.0	**0.50**	<0.50	**0.51**	**0.86**	**0.82**	**0.60**
General									
Hardness	mg/L	3	36	**13**	**11**	**12**	**18**	**19**	**13**
TDS	mg/L	50	200	<50	<50	<50	**54**	<50	**54**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRM002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRM002 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	5/1/13	4/24/14	4/29/15	4/20/16	4/12/17
Field									
D.O.	ppm	--	--	**9.6**	**12**	**11**	**10**	**11**	**12**
Flow	cfs	--	--	**7.3**	**11**	**3.9**	**3.9**	**3.8**	**2.8**
pH	SU	--	6.5-7.5	**6.3**	**6.3**	**7.1**	**6.7**	**6.6**	**6.4**
Specific Conductance	µS/cm @ 25°C	--	--	**28**	**23**	**37**	**42**	**38**	**40**
Temperature	°C	--	--	**8.5**	**3.8**	**3.7**	**10**	**6.1**	**3.5**
Metals									
Aluminum	ug/L	50	200	**70**	**89**	**65**	**79**	**160**	**80**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	<10	<10	<10	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	651	**290** e	**250**	**260**	**220**	**350** e	**250**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	58	<10	**10**	<10	<10	18	<10
Mercury	ng/L	0.500	5.77	**4.27**	**5.54**	**4.74** e	**4.09**	**4.90**	**3.81**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0
Selenium	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	34	**12**	**8.2**	**14**	**21**	**18**	**18**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.5**	**1.7**	**1.3**	**1.3**	**1.3**	**1.4**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	<0.050 e	<0.050 e	<0.050	<0.050 e	<0.050
Sulfate	mg/L	1.0	6.2	<1.0	<1.0	<1.0 e	<1.0	<5.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	10	**4.0**	**3.0**	**5.0**	**5.9**	**5.2**	**5.9**
Magnesium	mg/L	0.50	2.0	**0.88**	**0.70**	**1.1**	**1.3**	**1.2**	**1.3**
Potassium	mg/L	0.50	2.00	<0.50	**0.53**	**0.52**	**0.51**	**0.54**	**0.61**
Sodium	mg/L	0.50	2.00	<0.50	<0.50	**0.79**	**0.60**	**0.70**	**0.73**
General									
Hardness	mg/L	3	32	**14**	**10**	**17**	**20**	**18**	**20**
TDS	mg/L	50	200	<50	<50	**52**	<50	<50	**64**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRM004 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRM004 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/30/13	4/21/14	4/30/15	5/4/16	4/10/17
Field									
D.O.	ppm	--	--	**11**	**13**	**12**	**12**	**12**	**12**
Flow	cfs	--	--	**17**	**49**	**23**	**8.4**	**7.8**	**29**
pH	SU	--	7.3-8.3	**7.0**	**7.1**	**7.3**	**7.4**	**7.4**	**7.6**
Specific Conductance	µS/cm @ 25°C	--	--	**60**	**41**	**48**	**73**	**73**	**61**
Temperature	°C	--	--	**9.0**	**3.1**	**4.1**	**5.7**	**5.5**	**4.7**
Metals									
Aluminum	ug/L	50	993	**320**	**750**	**750**	**120**	**120**	**950**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**
Barium	ug/L	10	40	<10	**11**	**11**	<10	<10	**16**
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	**1.1**	**2.0**	**1.2**	<1.0	<1.0	**2.1**
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	**1.2**	**1.5**	**1.3**	<1.0	<1.0	**1.8**
Iron	ug/L	20	984	**490** e	**840**	**800**	**210**	**260** e	**1,300**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	61	**22**	**45**	**55**	**13**	**16**	**77**
Mercury	ng/L	0.500	14.15	**6.97**	**9.52**	**13** e	**4.23**	**3.98**	**13.4**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	52	**28**	**18**	**24**	**37**	**40**	**29**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.6**	**1.0**	**1.1**	<1.0	<1.0	**1.2**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	**0.090**	**0.11** e	**0.16** e	<0.050	**0.064** e	**0.12**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	16	**8.8**	**6.3**	**9.5**	**9.5**	**13**	**9.5**
Magnesium	mg/L	0.50	3.0	**1.9**	**1.5**	**2.2**	**2.0**	**2.7**	**2.1**
Potassium	mg/L	0.50	2.0	**0.57**	**0.63**	**0.73**	**0.51**	**0.62**	**0.79**
Sodium	mg/L	0.50	2.0	**0.66**	**0.54**	**0.85**	**0.76**	**1.0**	**0.79**
General									
Hardness	mg/L	3	54	**30**	**22**	**33**	**32**	**44**	**32**
TDS	mg/L	50	200	**60**	<50	**64**	**70**	**70**	**104**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRM005 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRM005 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	5/1/13	4/24/14	4/30/15	4/20/16	4/12/17
Field									
D.O.	ppm	--	--	**12**	**14**	**13**	**12**	**12**	**13**
Flow	cfs	--	--	**242**	**745**	**215**	**64**	**110**	**83**
pH	SU	--	6.6-7.6	**6.5**	**5.5**	**7.2**	**7.4**	**7.2**	**7.1**
Specific Conductance	µS/cm @ 25°C	--	--	**44**	**25**	**51**	**88**	**65**	**77**
Temperature	°C	--	--	**7.9**	**3.1**	**2.5**	**7.4**	**5.5**	**1.7**
Metals									
Aluminum	ug/L	50	568	**290**	**510**	**300**	**86**	**170**	**120**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	**11**	<10	**10**	**10**	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	**1.0**	**1.3**	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	**2.4**	**1.8**	**1.4**	<1.0	**1.4**	<1.0
Iron	ug/L	20	470	**340** e	**420**	**280**	**160**	**200** e	**240**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	40	**19**	**23**	**17**	**13**	**13**	**15**
Mercury	ng/L	0.500	11.15	**6.73**	**9.03**	**8.16** e	**3.81**	**6.30**	**4.17**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	**1.0**	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	89	**54**	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	66	**22**	**9.7**	**19**	**46**	**32**	**37**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.5**	**1.6**	**1.4**	**<1.0**	**1.3**	**1.5**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	**0.085**	**0.15** e	**0.080** e	<0.050	<0.050 e	**0.075**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	19	**7.9**	**4.1**	**7.1**	**12**	**9.6**	**10**
Magnesium	mg/L	0.50	3.9	**1.4**	**0.87**	**1.5**	**2.5**	**2.0**	**2.1**
Potassium	mg/L	0.50	2.0	**1.2**	**0.56**	<0.50	<0.50	**0.55**	**0.52**
Sodium	mg/L	0.50	2.0	**0.82**	<0.50	**0.70**	**0.91**	**0.90**	**0.93**
General									
Hardness	mg/L	3	65	**25**	**14**	**24**	**40**	**32**	**34**
TDS	mg/L	50	200	**62**	<50	<50	**68**	**58**	**118**

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

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRE001 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE001 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/30/13	4/22/14	5/5/15	5/5/16	4/13/17
Field									
D.O.	ppm	--	--	**12**	**12**	**12**	**11**	**11**	**12**
Flow	cfs	--	--	NM	NM	**43**	**15**	**17**	**22**
pH	SU	--	7.0-8.0	**7.1**	**6.8**	**7.3**	**7.6**	**7.9**	**7.3**
Specific Conductance	µS/cm @ 25°C	--	--	**60**	**38**	**66**	**117**	**114**	**98**
Temperature	°C	--	--	**5.2**	**2.8**	**2.3**	**9.6**	**9.6**	**6.2**
Metals									
Aluminum	ug/L	50	339	**130**	**310**	**170**	**82**	**67**	**130**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	**1.1**	**1.1**	<1.0
Barium	ug/L	10	40	<10	<10	<10	<10	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	327	**160** e	**320**	**220**	**160**	**110** e	**130**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	40	<10	**24**	**13**	**23**	**13**	**11**
Mercury	ng/L	0.500	8.59	**4.72**	**7.35**	**6.83** e	**2.13**	**1.73**	**2.81**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	81	**27**	**17**	**27**	**59**	**59**	**49**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.3**	**1.5**	**1.2**	<1.0	**1.1**	**1.4**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	**0.075**	**0.088** e	**0.094** e	<0.050	**0.061** e	**0.058**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	24	**8.3**	**5.8**	**11**	**16**	**17**	**14**
Magnesium	mg/L	0.50	4.6	**1.7**	**1.3**	**2.2**	**3.4**	**3.5**	**2.9**
Potassium	mg/L	0.50	2.0	<0.50	**0.52**	**0.54**	**0.56**	**0.59**	**0.54**
Sodium	mg/L	0.50	2.0	**0.67**	**0.58**	**0.90**	**1.1**	**1.1**	**1.0**
General									
Hardness	mg/L	3	78	**28**	**20**	**37**	**54**	**57**	**47**
TDS	mg/L	50	200	**62**	<50	**70**	**88**	**102**	**76**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRE002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE002 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	5/6/13	4/22/14	4/30/15	5/5/16	4/13/17
Field									
D.O.	ppm	--	--	**11**	**13**	**13**	**12**	**12**	**13**
Flow	cfs	--	--	**36**	**75**	NM	NM	**22**	**33**
pH	SU	--	7.6-8.6	**7.1**	**7.1**	**7.4**	**7.7**	**8.1**	**7.4**
Specific Conductance	µS/cm @ 25°C	--	--	**84**	**64**	**59**	**102**	**110**	**92**
Temperature	°C	--	--	**7.4**	**2.5**	**1.1**	**5.5**	**6.3**	**4.3**
Metals									
Aluminum	ug/L	50	200	**79**	**210**	**200**	**140**	**68**	**140**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	**1.1**	**1.0**	<1.0
Barium	ug/L	10	40	<10	<10	<10	**11**	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	194	**160** e	**180**	**240**	**170**	**110** e	**150**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	40	<10	**10**	**15**	**18**	**10**	<10
Mercury	ng/L	0.500	4.84	**4.04**	**6.66**	**8.46** e	**5.49**	**2.13**	**3.44**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	81	**39**	**26**	**23**	**52**	**57**	**44**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.2**	**1.3**	**1.4**	<1.0	**1.1**	**1.3**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	**0.063** e	**0.10** e	**0.069**	**0.054** e	**0.058**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	24	**13**	**8.1**	**9.1**	**14**	**16**	**13**
Magnesium	mg/L	0.50	4.7	**2.6**	**1.7**	**1.9**	**3.0**	**3.4**	**2.7**
Potassium	mg/L	0.50	2.0	**0.53**	**0.58**	**0.50**	**0.52**	**0.65**	**0.54**
Sodium	mg/L	0.50	2.0	**0.90**	**0.84**	**0.74**	**0.99**	**1.0**	**1.0**
General									
Hardness	mg/L	3	80	**43**	**27**	**31**	**47**	**54**	**44**
TDS	mg/L	50	200	**78**	<50	**56**	**72**	**84**	**64**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRE005 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE005 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/30/13	4/22/14	4/30/15	4/26/16	4/10/17
Field									
D.O.	ppm	--	--	**11**	**13**	**13**	**12**	**12**	**12**
Flow	cfs	--	--	**2.8**	**17**	**4.5**	**1.1**	**3.0**	**6.1**
pH	SU	--	6.8-7.8	**7.2**	**7.0**	**7.4**	**7.5**	**7.5**	**7.1**
Specific Conductance	µS/cm @ 25°C	--	--	**72**	**37**	**56**	**97**	**62**	**71**
Temperature	°C	--	--	**9.8**	**1.8**	**1.2**	**5.7**	**5.1**	**4.9**
Metals									
Aluminum	ug/L	50	1,722	**63**	**1,200**	**270**	<50	**260**	**570**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	**13**	<10	<10	<10	**12**
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	**1.9**	**1.3**	<1.0	<1.0	**1.0**
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	**1.8**	**1.0**	<1.0	<1.0	**1.2**
Iron	ug/L	20	1,218	**200** e	**1,000**	**340**	**110**	**340** e	**820**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	93	**12**	**77**	**23**	**14**	**23**	**64**
Mercury	ng/L	0.500	17.2	**4.16**	**13.8**	**7.82** e	**2.26**	**8.35**	**8.41**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	**1.8**	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	60	**34**	**17**	**24**	**50**	**32**	**28**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.3**	**1.2**	**1.0**	<1.0	<1.0	**1.4**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	**0.074** e	**0.13** e	**0.060**	**0.052** e	**0.10**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	17	**11**	**5.7**	**9.3**	**14**	**10**	**11**
Magnesium	mg/L	0.50	3.0	**2.0**	**1.3**	**1.8**	**2.6**	**2.0**	**2.2**
Potassium	mg/L	0.50	2.0	**0.55**	**0.58**	**0.52**	<0.50	**0.59**	**0.74**
Sodium	mg/L	0.50	2.0	**0.71**	<0.50	**0.64**	**0.77**	**0.84**	**0.84**
General									
Hardness	mg/L	3	55	**36**	**20**	**31**	**46**	**33**	**37**
TDS	mg/L	50	200	**58**	<50	**68**	**68**	**56**	**62**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRE009 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE009 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/29/13	4/23/14	4/29/15	4/26/16	4/10/17
Field									
D.O.	ppm	--	--	**11**	**13**	**12**	**11**	**13**	**12**
Flow	cfs	--	--	**9.7**	**10**	**6.1**	**4.8**	**6.7**	**7.9**
pH	SU	--	6.9-7.9	**7.1**	**7.3**	**7.6**	**7.7**	**7.4**	**7.1**
Specific Conductance	µS/cm @ 25°C	--	--	**64**	**61**	**89**	**99**	**82**	**82**
Temperature	°C	--	--	**8.0**	**1.8**	**5.5**	**9.4**	**3.8**	**4.3**
Metals									
Aluminum	ug/L	50	405	**320**	**240**	**140**	**85**	**200**	**430**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	<10	**13**	<10	<10	**11**
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	**1.0**	<1.0	<1.0	<1.0	<1.0	**1.3**
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	**1.1**	**2.1**	<1.0	<1.0	**1.1**
Iron	ug/L	20	400	**320** e	**240**	**150**	**94**	**260** e	**540**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	40	**19**	**14**	**12**	<10	**13**	**41**
Mercury	ng/L	0.500	6.58	**5.24**	**4.43**	**4.06** e	**2.17**	**4.96**	**7.94**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	**17**	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	57	**32**	**31**	**41**	**51**	**43**	**39**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.1**	**1.0**	<1.0	<1.0	<1.0	**2.1**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	**0.15**	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	**0.051** e	<0.050 e	<0.050	<0.050 e	<0.050
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	17	**9.7**	**9.4**	**13**	**15**	**13**	**13**
Magnesium	mg/L	0.50	3.3	**1.9**	**1.9**	**2.6**	**2.9**	**3.0**	**2.6**
Potassium	mg/L	0.50	2.0	<0.50	**0.53**	<0.50	<0.50	**0.55**	**0.72**
Sodium	mg/L	0.50	2.0	**0.70**	**0.76**	**0.82**	**0.81**	**1.1**	**0.81**
General									
Hardness	mg/L	3	56	**32**	**31**	**43**	**49**	**45**	**43**
TDS	mg/L	50	200	**58**	**68**	**58**	**54**	**74**	**68**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 STRE010 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	STRE010 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/29/13	4/22/14	4/30/15	4/26/16	4/10/17
Field									
D.O.	ppm	--	--	**11**	**13**	**13**	**12**	**12**	**12**
Flow	cfs	--	--	**9.7**	**7.4**	**7.0**	**3.4**	**6.2**	**7.8**
pH	SU	--	6.9-7.9	**7.1**	**7.3**	**7.5**	**7.5**	**7.4**	**7.0**
Specific Conductance	µS/cm @ 25°C	--	--	**64**	**61**	**73**	**100**	**74**	**71**
Temperature	°C	--	--	**8.0**	**1.8**	**2.4**	**4.7**	**3.8**	**4.1**
Metals									
Aluminum	ug/L	50	431	**320**	**230**	**220**	**63**	**180**	**400**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	<10	<10	<10	<10	**11**
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	**1.0**	<1.0	<1.0	<1.0	<1.0	**1.5**
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**
Iron	ug/L	20	514	**320** e	**230**	**320**	**110**	**210** e	**660**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	43	**19**	**15**	**30**	<10	**20**	**61**
Mercury	ng/L	0.500	9.72	**5.24**	**4.82**	**7.60** e	**2.64**	**6.21**	**9.79**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	55	**32**	**29**	**32**	**50**	**38**	**33**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.1**	**1.3**	<1.0	**1.1**	**1.0**	<1.0
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	**0.083** e	**0.087** e	**0.082**	**0.072** e	**0.099**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	16	**9.7**	**8.6**	**12**	**14**	**12**	**11**
Magnesium	mg/L	0.50	3.0	**1.9**	**1.6**	**2.2**	**2.7**	**2.3**	**2.1**
Potassium	mg/L	0.50	2.0	<0.50	**0.65**	**0.56**	<0.50	**0.61**	**0.65**
Sodium	mg/L	0.50	2.0	**0.70**	**0.79**	**0.73**	**0.80**	**0.86**	**0.76**
General									
Hardness	mg/L	3	52	**32**	**28**	**39**	**46**	**39**	**36**
TDS	mg/L	50	200	**58**	**64**	**70**	**70**	**58**	**66**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 YDRM002 (Compliance)
Eagle Mine

Parameter	Unit	Permit RL	YDRM002 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	5/1/13	4/24/14	5/4/15	5/4/16	4/12/17
Field									
D.O.	ppm	--	--	**11**	**12**	**12**	**8.8**	**10**	**13**
Flow	cfs	--	--	**199**	**449**	**127**	**86**	**63**	NM
pH	SU	--	6.1-7.1	**5.0**	**5.8**	**6.7**	**6.3**	**6.4**	**6.3**
Specific Conductance	µS/cm @ 25°C	--	--	**17**	**19**	**25**	**29**	**31**	**20**
Temperature	°C	--	--	**9.2**	**0.7**	**0.8**	**12**	**7.0**	**1.0**
Metals									
Aluminum	ug/L	50	200	**140**	**120**	**140**	**160**	**99**	**170**
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium	ug/L	10	40	<10	<10	<10	<10	<10	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	6.8	<1.0	<1.0	<1.0	4.1 s	<1.0	<1.0
Iron	ug/L	20	1,192	**310** e	**260**	**390**	**460**	**390** e	**430**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	50	**15**	**28**	**22**	**19**	**18**	**16**
Mercury	ng/L	0.500	8.13	**6.15**	**5.76**	**7.00** e	**6.91**	**6.28**	**5.85**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	30	**5.5**	**4.8**	**5.2**	**11**	**16**	**7.1**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.3**	**1.3**	**1.5**	<1.0	**1.1**	**1.1**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	**0.085**	**0.13**	**0.13** e	**<0.050**	<0.050 e	**0.11**
Sulfate	mg/L	1.0	10	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	10	**2.6**	**2.0**	**3.4**	**4.8**	**4.5**	**2.8**
Magnesium	mg/L	0.50	2.1	**0.62**	**0.53**	**0.78**	**1.1**	**1.0**	**0.69**
Potassium	mg/L	0.50	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Sodium	mg/L	0.50	2.0	<0.50	<0.50	**0.53**	**0.63**	**0.61**	<0.50
General									
Hardness	mg/L	3	32	**9**	**7**	**12**	**17**	**15**	**10**
TDS	mg/L	50	200	**56**	<50	**58**	**58**	<50	**160**

Table 2
Mine Permit Surface Water Quality Monitoring Data Q2 2017
Q2 CDRM004 (Reference)
Eagle Mine

Parameter	Unit	Permit RL	CDRM004 Seasonal Benchmark	Q2 Results (2012-2017)					
			Q2	Q2 2012	Q2 2013	Q2 2014	Q2 2015	Q2 2016	Q2 2017
			Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff	Spring Snowmelt & Runoff
				3/19/12	4/29/13	4/21/14	5/5/15	5/5/16	4/13/17
Field									
D.O.	ppm	--	--	**12**	**13**	**13**	**12**	**13**	**13**
Flow	cfs	--	--	**32**	**109**	**52**	**15**	**17**	**24**
pH	SU	--	7.2-8.2	**7.2**	**7.7**	**7.4**	**7.3**	**8.0**	**7.4**
Specific Conductance	µS/cm @ 25°C	--	--	**88**	**55**	**73**	**116**	**109**	**98**
Temperature	°C	--	--	**7.8**	**1.9**	**2.2**	**7.1**	**4.2**	**3.4**
Metals									
Aluminum	ug/L	50	258	<50	**240**	**220**	<50	<50	<50
Antimony	ug/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	ug/L	1.0	4.0	**1.1**	<1.0	<1.0	**1.2**	**1.0**	<1.0
Barium	ug/L	10	40	<10	<10	<10	**10**	**10**	<10
Beryllium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	ug/L	50	200	<50	<50	<50	<50	<50 e	<50
Cadmium	ug/L	0.20	0.80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	ug/L	10	40	<10	<10	<10	<10	<10	<10
Copper	ug/L	1.0	4.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0
Iron	ug/L	20	358	**160** e	**330**	**310**	**110**	**87** e	**120**
Lead	ug/L	1.0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lithium	ug/L	10	40	<10	<10	<10 e	<10	<10	<10
Manganese	ug/L	10	57	**11**	**48**	**48**	**16**	**11**	<10
Mercury	ng/L	0.500	8.12	**3.25**	**5.91**	**7.63** e	**1.43**	**1.59**	**2.24**
Molybdenum	ug/L	10	40	<10	<10	<10	<10	<10	<10
Nickel	ug/L	1.0	4.0	<1.0	<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 e	<2.0 e
Silver	ug/L	0.20	0.80	<0.20 e	<0.20	<0.20	<0.20	<0.20	<0.20
Zinc	ug/L	10	40	<10	<10	<10	<10	<10	<10
Major Anions									
Alkalinity, Bicarbonate	mg/L	2.0	85	**41**	**28**	**31**	**60**	**59**	**48**
Alkalinity, Carbonate	mg/L	2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	1.0	4.0	**1.4**	**1.4**	<1.0	<1.0	<1.0	**1.1**
Fluoride	mg/L	0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrate	mg/L	0.050	0.20	<0.050	**0.096** e	**0.10** e	**0.10**	**0.10** e	**0.070**
Sulfate	mg/L	1.0	4.0	<1.0	<1.0	<1.0 e	<1.0	<1.0 e	<1.0 e
Major Cations									
Calcium	mg/L	0.50	25	**14**	**8.1**	**11**	**17**	**17**	**15**
Magnesium	mg/L	0.50	4.0	**2.5**	**1.5**	**2.0**	**3.0**	**3.1**	**2.7**
Potassium	mg/L	0.50	2.0	**0.50**	**0.51**	**0.55**	**0.57**	**0.61**	<0.50
Sodium	mg/L	0.50	2.0	**0.86**	**0.61**	**0.89**	**1.0**	**1.0**	**1.0**
General									
Hardness	mg/L	3	80	**45**	**26**	**36**	**55**	**55**	**49**
TDS	mg/L	50	200	**72**	**68**	**98**	**78**	**86**	**66**

Table 2
Mine Permit Surface Water Quality Monitoring Data
Explanation of Abbreviations and Data Qualifiers
Eagle Project

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 at a compliance monitoring location. 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. Color as column header also indicates data are for a compliance monitoring locations.
	Value is equal to or above site-specific benchmark at the background (STRM001) or reference (CDRM004) monitoring location. Color also indicates background monitoring location when applied to column headers.
Q1	First quarter (Winter Baseflow).
Q2	Second quarter (Spring Snowmelt & Runoff).
Q3	Third quarter (Summer Baseflow).
Q4	Fourth quarter (Fall Rain).