

2017
Mine Permit Water Quality Monitoring Data
Contact Water Basins
Eagle Mine

		Q1 2017	Q2 2017	Q3 2017	Q4 2017
Parameter	Unit	3/22/2017			
Field					
pH	SU	6.5			
Specific Conductivity	µS/cm	3924			
Metals					
Aluminum, Total	mg/L	—			
Antimony, Total	µg/L	—			
Arsenic, Total	µg/L	2.8			
Barium, Total	µg/L	—			
Beryllium, Total	µg/L	—			
Boron, Total	µg/L	920			
Cadmium, Total	µg/L	—			
Chromium, Total	µg/L	—			
Cobalt, Total	µg/L	—			
Copper, Total	µg/L	160			
Iron, Total	µg/L	2500			
Lead, Total	µg/L	—			
Lithium, Total	µg/L	—			
Manganese, Total	µg/L	94			
Mercury, Total	µg/L	0.0014			
Molybdenum, Total	µg/L	—			
Nickel, Total	µg/L	370			
Selenium, Total	µg/L	12.0			
Silver, Total	µg/L	—			
Strontium, Total	µg/L	—			
Thallium, Total	µg/L	—			
Vanadium, Total	µg/L	—			
Zinc, Total	µg/L	20			
Major Anions					
Alkalinity, Bicarbonate	mg/L	67			
Alkalinity, Carbonate	mg/L	<2.0			
Chloride	mg/L	520			
Fluoride	µg/L	—			
Nitrogen, Nitrate	mg/L	89			
Sulfate	mg/L	870			
Major Cations					
Calcium, Total	mg/L	—			
Magnesium, Total	mg/L	—			
Potassium, Total	µg/L	—			
Sodium, Total	mg/L	650			

— Analyte not included in the quarterly parameter list.

2017
Mine Permit Water Quality Monitoring Data
TDRSA Contact Water Sump
Eagle Mine

		Q1 2017	Q2 2017	Q3 2017	Q4 2017
Parameter	Unit	3/22/2017			
Field					
pH	SU	6.7			
Specific Conductivity	µS/cm	2876			
Metals					
Aluminum, Total	mg/L	—			
Antimony, Total	µg/L	—			
Arsenic, Total	µg/L	1.6			
Barium, Total	µg/L	—			
Beryllium, Total	µg/L	—			
Boron, Total	µg/L	850			
Cadmium, Total	µg/L	—			
Chromium, Total	µg/L	—			
Cobalt, Total	µg/L	—			
Copper, Total	µg/L	0.74			
Iron, Total	µg/L	<20			
Lead, Total	µg/L	—			
Lithium, Total	µg/L	—			
Manganese, Total	µg/L	280			
Mercury, Total	µg/L	0.0055			
Molybdenum, Total	µg/L	—			
Nickel, Total	µg/L	630			
Selenium, Total	µg/L	8			
Silver, Total	µg/L	—			
Strontium, Total	µg/L	—			
Thallium, Total	µg/L	—			
Vanadium, Total	µg/L	—			
Zinc, Total	µg/L	16			
Major Anions					
Alkalinity, Bicarbonate	mg/L	26			
Alkalinity, Carbonate	mg/L	<2.0			
Chloride	mg/L	73			
Fluoride	µg/L	—			
Nitrogen, Ammonia	mg/L	0.14			
Nitrogen, Nitrate	mg/L	130			
Nitrogen, Nitrite	mg/L	<0.05			
Sulfate	mg/L	1100			
Major Cations					
Calcium, Total	mg/L	—			
Magnesium, Total	mg/L	110			
Potassium, Total	µg/L	—			
Sodium, Total	mg/L	220			

— Analyte not included in the quarterly parameter list.

2017
Mine Permit Water Quality Monitoring Data
TDRSA Leak Detection Sump
Eagle Mine

		Q1 2017	Q2 2017	Q3 2017	Q4 2017
Parameter	Unit	3/22/2017			
Field					
pH	SU	7.2			
Specific Conductivity	µS/cm	2374			
Major Anions					
Chloride	mg/L	12			
Nitrogen, Ammonia	mg/L	0.06			
Nitrogen, Nitrate	mg/L	26			
Nitrogen, Nitrite	mg/L	0.07			
Sulfate	mg/L	850			
Major Cations					
Magnesium, Total	mg/L	15			
Sodium, Total	mg/L	530			

2017
Mine Permit Water Quality Monitoring Data
Underground Influent
Eagle Mine

		Q1 2017	Q2 2017	Q3 2017	Q4 2017
Parameter	Unit	3/22/2017			
Field					
pH	SU	7.7			
Specific Conductivity	µS/cm	672			
Metals					
Aluminum, Total	mg/L	—			
Antimony, Total	µg/L	—			
Arsenic, Total	µg/L	6.0			
Barium, Total	µg/L	—			
Beryllium, Total	µg/L	—			
Boron, Total	µg/L	280			
Cadmium, Total	µg/L	—			
Chromium, Total	µg/L	—			
Cobalt, Total	µg/L	—			
Copper, Total	µg/L	1300			
Iron, Total	µg/L	16000			
Lead, Total	µg/L	—			
Lithium, Total	µg/L	—			
Manganese, Total	µg/L	140			
Mercury, Total	µg/L	0.015			
Molybdenum, Total	µg/L	—			
Nickel, Total	µg/L	1500			
Selenium, Total	µg/L	3.1			
Silver, Total	µg/L	—			
Strontium, Total	µg/L	—			
Thallium, Total	µg/L	—			
Vanadium, Total	µg/L	—			
Zinc, Total	µg/L	50			
Major Anions					
Alkalinity, Bicarbonate	mg/L	72			
Alkalinity, Carbonate	mg/L	<2			
Chloride	mg/L	24			
Fluoride	µg/L	—			
Nitrogen, Nitrate	mg/L	12			
Nitrogen, Nitrite	mg/L	—			
Sulfate	mg/L	170			
Major Cations					
Calcium, Total	mg/L	—			
Magnesium, Total	mg/L	—			
Potassium, Total	µg/L	—			
Sodium, Total	mg/L	—			

— Analyte not included in the quarterly parameter list.