

TABLE PROPOSED SURFACE WATER, GROUNDWATER AND ADIT ANALYTICAL SCHEDULE

Major Constituents

Specific Conductivity (SC)	Sulfate (SO <sub>4</sub> )
Total Suspended Solids (TSS)	pH
Total Dissolved Solids (TDS)	Field Temperature (°C)
Sodium (Na)	Flow or Static Water Level
Calcium (Ca)	Total Alkalinity as CaCO <sub>3</sub>
Magnesium (Mg)	Total Hardness as CaCO <sub>3</sub>
Carbonate (CO <sub>3</sub> )	Turbidity
Bicarbonate (HCO <sub>3</sub> )	Acidity (if pH less than 6.0)
Chloride (Cl)	Sulfides (at selected sites)
Potassium (K)	

Additional Parameters

Ammonia	Total Kjeldahl Nitrogen	Orthophosphate-P
Nitrite + Nitrate	Total Phosphorous-P	Total Cyanide
	Dissolved Oxygen	

Metals\*

Aluminum (0.1)	Arsenic (0.005)	Barium (0.1)
Cadmium (0.0001)	Chromium (0.02)	Copper (0.001)
Iron (0.03)	Lead (0.002)	Manganese (0.02)
Mercury (0.0001)	Molybdenum (0.005)	Selenium (0.005)
Silver (0.0005)	Zinc (0.01)	

Special Metal Analyses\*

Antimony (0.05)
Beryllium (0.005)
Nickel (0.03)
Thallium (0.1)

NOTE: For surface water samples, metals will be tested as total recoverable using procedures recommended by the Montana Water Quality Bureau. One surface water baseline sampling period will include collection of both total recoverable and dissolved metals to determine metals sorbed on sediment. For groundwater samples, only dissolved metals will be measured.

\* ( ) Detection limit mg/L