

Table 17.2-1 Physical and Chemical Properties Analyzed or Calculated for Overburden/Interburden Samples from 1987, 1998, and 2007 Drilling Program

pH (s.u.)
Electrical conductivity (EC) (mmhos/cm)
ESP (Exchangeable Sodium Percentage) ¹
Saturation (%)
Calcium (meq/L)
Magnesium (meq/L)
Sodium (meq/L)
Sodium adsorption ratio (SAR)
Sand (%), silt (%), clay (%) ²
USDA soil texture
Organic carbon ¹
CaCO₃ (%)
Total sulfur (%) ²
Acid potential total sulfur (t/kt) ²
Neutralization potential (t/kt) ²
Acid-base potential total sulfur (t/kt)
Sulfate (%) *
Organic sulfur (%) *
Pyritic sulfur (%) *
Acid-base pyritic sulfur (t/kt) * ²
Acid-base potential pyritic sulfur (t/kt) * ²
Boron (ppm)
Total selenium (ppm)
Soluble selenium (ppm)

* analysis performed only if total sulfur acid-base potential is less than zero t/kt

¹ analysis performed only on samples from 1987 drilling program

² analysis performed only on samples from 1998 and 2007 drilling programs