



USGS - EPA Utah AML Project
 SIR 2004-5241
 Clay, Sulfate, Mica,
 and Carbonate Minerals
 Bauer Mill site, near Stockton, Utah
 AVIRIS high-altitude data
 August 5, 1998
 Run 7, NEW3 calibration
 Tetracorder 3.6a9 Product

Kaolinite Group Minerals

- kaolinite + illite/muscovite or smectite
- kaolinite (well-crystallized)
- kaolinite (poorly crystallized and/or impure float)

Sulfate Minerals

- jarosite +/- illite +/- smectite
- gypsum
- alunite
- alunite + kaolinite +/- sericite

Carbonate Minerals

- calcite
- calcite + muscovite
- dolomite
- calcite + dolomite +/- montmorillonite
- calcite + kaolinite

Sericite Group Minerals

- high-Al illite/muscovite
- medium-Al illite/muscovite
- low-Al + Fe-rich illite/muscovite
- gypsum + jarosite +/- illite intimate mixture
- epidote
- talc +/- Mg-bearing clays +/- amphibole
- montmorillonite (Ca + Na)

