Map of Fe-bearing minerals produced from low-altitude AVIRIS imagery

East Tintic Mining District, Utah and Juab Counties, Utah

Iron Sulfate Minerals
- fine-grained jarosite: mine waste
- goethite + jarosite

Iron Hydroxide Minerals
- hematite: fine-grained
- hematite: medium- to coarse-grained

Iron Oxide Minerals
- chlorite + goethite
- with hematite
- with goethite and illite/muscovite

Fe-bearing Minerals
- other iron oxides/hydroxides
- water + red algae + sediment (heap leach drain pond)
- goethite: medium-grained
- goethite: fine-grained
- goethite: coarse-grained
- goethite: thin coating

Explanation for low-altitude AVIRIS mapping:
- Fe-bearing minerals and water