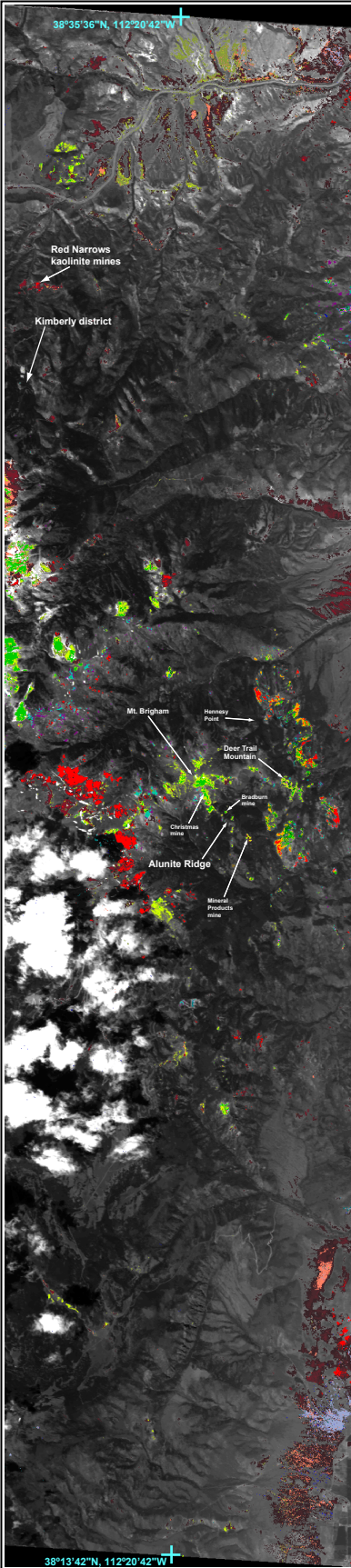




USGS - EPA Utah AML Project
SIR 2004-5241
Fe-bearing Minerals
Marysville-Tushet Mountains Region
AVIRIS high-altitude data
August 5, 1998
Run 11, NEW2 calibration
Tetracorder 3.6a7 Product

Iron Sulfate Minerals

- fine-grained jarosite
- probable coarse-grained jarosite
- goethite + jarosite
- coarse-grained goethite + trace jarosite

Iron Hydroxide Minerals

- goethite: coarse-grained
- goethite: medium-grained
- goethite: fine-grained
- C** goethite: thin coating

Iron Oxide Minerals

- hematite: med.- to coarse-grained
- C** hematite: fine-grained

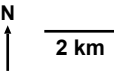
Other iron oxides/hydroxides

Fe²⁺-bearing Minerals

- generic
- +/- trace fine-grained hematite with goethite and illite/muscovite

chlorite + illite/muscovite
chlorite + goethite

propylitic alteration



Map Information:

Data Type: high-altitude AVIRIS
Acquisition Date: August 5, 1998
Platform: NASA ER-2
Altitude: 65,000 feet ASL
Georeferencing:
· roll, pitch, and yaw effects removed

Note: geographic coordinates are approximate

