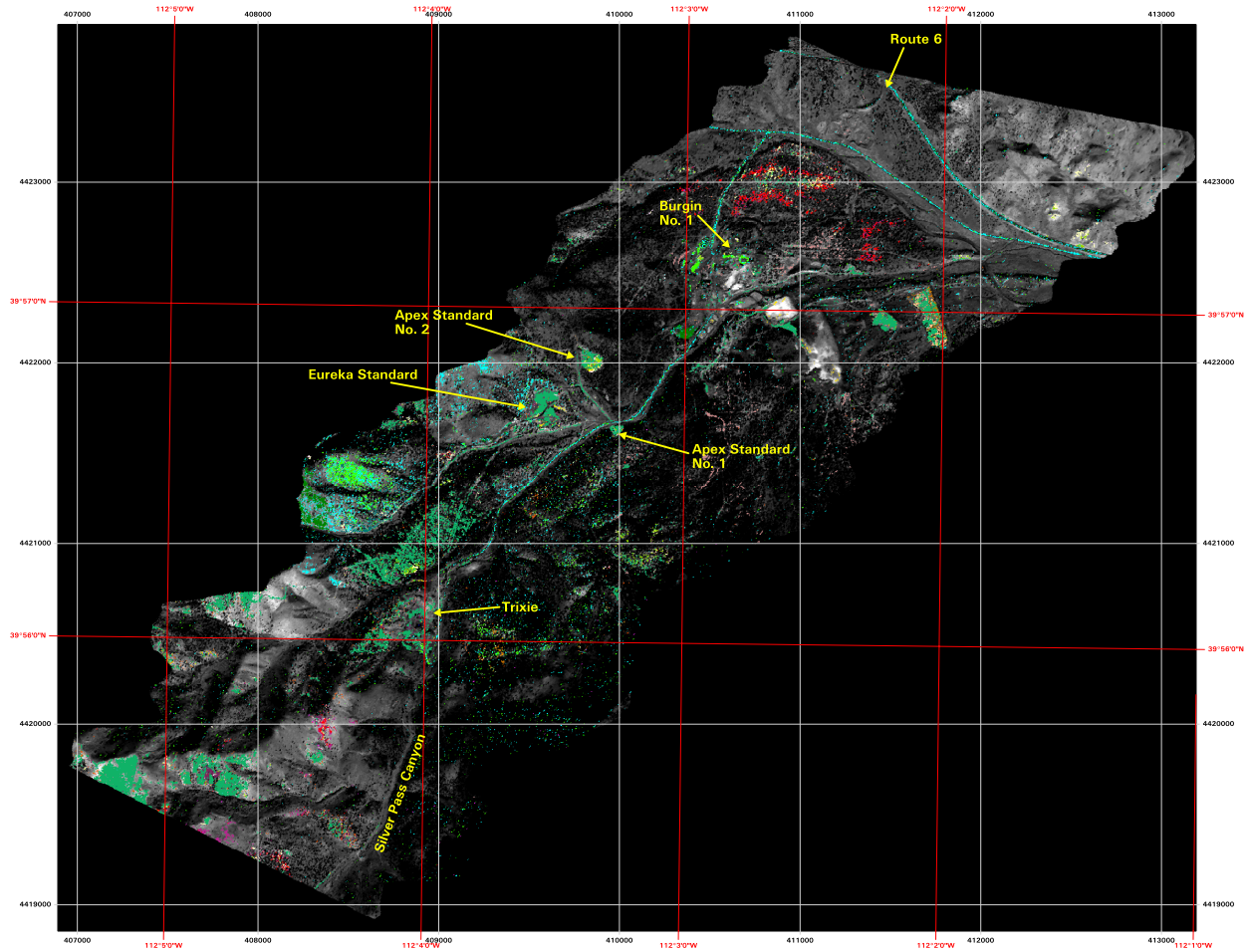




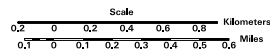
East Tintic Mining District, Utah and Juab Counties, Utah

Map of clay, carbonate, sulfate, and mica minerals produced from low-altitude AVIRIS imagery



Low-altitude AVIRIS flightline data:

- flightline designation: 1991018101p02_r06
- acquisition date: October 18, 1999
- altitude of Twin Otter platform: 17,500 feet
- ground speed: 85.5 knots
- geocorrected pixel size: 3 meters



UTM Projection
Zone 12
Clarke 1866 Spheroid
NAD27 Datum



Explanation for low-altitude AVIRIS mapping: clay, carbonate, sulfate, and mica	
Kaolinite Group Minerals	Sulfate Minerals
kaolinite (well-crystallized)	alumina
kaolinite (poorly crystallized)	gypsum + kaolinite
kaolinite + illite/muscovite or smectite	alumina - intermed. composition
halloysite	alumina + kaolinite + illite
halloysite	alumina + gypsum + kaolinite
illite	alumina + pyrophyllite + kaolinite
pyrophyllite	
kaolinite + pyrophyllite	
Carbonate Minerals	Sericite Group Minerals
calcite	high-Al illite/muscovite
calcite + muscovite	medium-Al illite/muscovite
dolomite	low-Al + Fe-rich illite/muscovite
calcite + dolomite + illite	illite/muscovite + pyrophyllite or kaolinite
calcite + kaolinite	
	montmorillonite