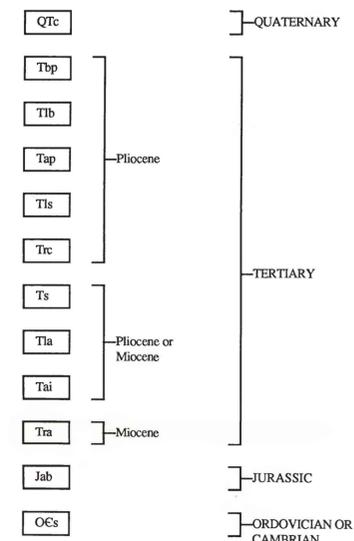


CORRELATION OF MAP UNITS

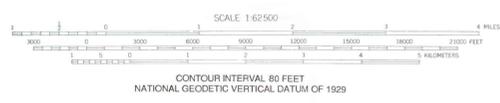


DESCRIPTION OF MAP UNITS

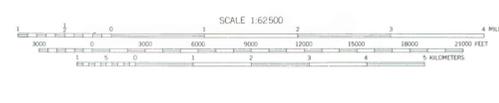
- QTc Colluvium (Quaternary and (or) Tertiary)--Colluvial and alluvial deposits of Quaternary and (or) Tertiary age
- Tbp Basalt of Piper Canyon (Pliocene)--Locally contains basaltic andesite
- Tib Latite of Blind Spring (Pliocene)--Includes porphyritic latite flows, intrusive rocks, and ash-flow tuff
- Tap Andesite of Piper Peak (Pliocene)--Porphyritic trachyandesite
- Tls Latite of Sheep Mountain (Pliocene)--Coarsely porphyritic latite flows, lahatic breccias, and intrusive bodies
- Trc Rhyolite of Cottonwood Spring (Pliocene)--Lapilli and vitric tuff along with rhyolite flows, breccias, and domes
- Ts Sedimentary rocks (Pliocene or Miocene)--Volcanic sandstone and granule conglomerate. Includes sedimentary unit 2 of Stewart and others (1974) and sedimentary unit 3 of Robinson and others (1976)
- Tla Latite ash-flow tuff (Pliocene or Miocene)--Moderately welded porphyritic latite ash-flow tuff
- Tai Andesite of Icehouse Canyon (Pliocene or Miocene)--Porphyritic andesite flows, tuffs, and breccias. Locally includes andesitic sandstone and siltstone
- Tra Rhyolite ash-flow tuff (Miocene)--Porphyritic rhyolite tuff
- Jab Adamellite of Beer Creek (Jurassic)--Medium- to coarse-grained porphyritic hornblende-biotite adamellite
- OEs Metamorphosed sedimentary rocks (Ordovician or Cambrian)--Phyllitic siltstone to phyllite, fine-grained quartzite, shale, hornfels, and thin- to thick-bedded limestone or marble beds

- Contact--Dashed where approximately located
- - - Fault--Dashed where approximately located; dotted where concealed. Bar and ball on downthrown side
- - - Approximate boundary of Silver Peak caldera
- Alteration areas indicated by remote sensing

Base from U.S. Geological Survey 1:62,500 Rhyolite Ridge, 1963, Piper Peak, 1963



Geology modified from Stewart and others (1974) and Robinson and others (1976)



From U.S. Geological Survey (1985) Geology modified from Stewart and others (1974) and Robinson and others (1976)



MINERAL RESOURCE POTENTIAL MAP

AEROMAGNETIC MAP

EXPLANATION

- Area with high mineral resource potential
- Area with moderate mineral resource potential
- Area with low mineral, geothermal, and petroleum resource potential

Commodities

- Ag Silver
- Au Gold
- mar Marble
- geo Geothermal
- U Uranium
- Th Thorium

[] Types of deposits or occurrences

- 1 Epithermal vein type
- 2 Epithermal disseminated (low-grade bulk-minable)
- 3 Discontinuous marble beds in Paleozoic sedimentary rock

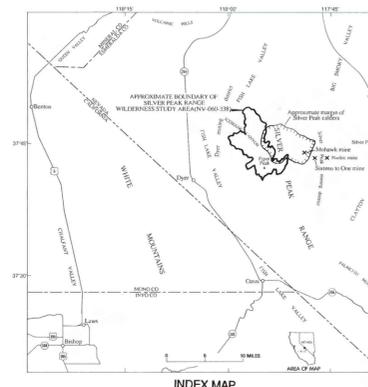
LEVELS OF RESOURCE POTENTIAL

- H High mineral resource potential
 - M Moderate mineral resource potential
 - L Low mineral resource potential
 - U Unknown mineral resource potential
- LEVELS OF CERTAINTY
- A Available data not adequate
 - B Data indicate geologic environment, and suggest level of resource potential
 - C Data indicate geologic environment, indicate resource potential, but do not establish activity of resource forming processes
 - D Data define geologic environment and level of resource potential and indicate activity of resource forming processes in all or part of area

LEVEL OF RESOURCE POTENTIAL	LEVELS OF CERTAINTY			
	A	B	C	D
UNKNOWN POTENTIAL	H/A	H/B	H/C	H/D
	M/A	M/B	M/C	M/D
	L/A	L/B	L/C	L/D
	U/A	U/B	U/C	U/D
				N/D
				NO POTENTIAL

EXPLANATION

- ⊖ Magnetic contours--Showing total intensity magnetic field of the Earth in gammas relative to arbitrary datum. Hatchured to indicate closed areas of lower magnetic intensity. Contour interval 20 gamma. Aeromagnetic survey flown at 1,000 feet above average terrain; flightline spacing 0.5 mi, 1985
- X-106 Maximum or minimum intensity--Location measured within closed high or closed low



MINERAL RESOURCE POTENTIAL AND AEROMAGNETIC MAPS OF THE
SILVER PEAK RANGE WILDERNESS STUDY AREA,
ESMERALDA COUNTY, NEVADA