

- EXPLANATION**
- AREA WITH HIGH RESOURCE POTENTIAL
  - AREA WITH MODERATE RESOURCE POTENTIAL
  - AREA WITH LOW RESOURCE POTENTIAL, CERTAINTY LEVEL C
  - AREA WITH LOW RESOURCE POTENTIAL, CERTAINTY LEVEL B
  - X MINE
  - X PROSPECT
  - APPROXIMATE BOUNDARY of ACTIVE CLAIMS-As of September 15, 1984

**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

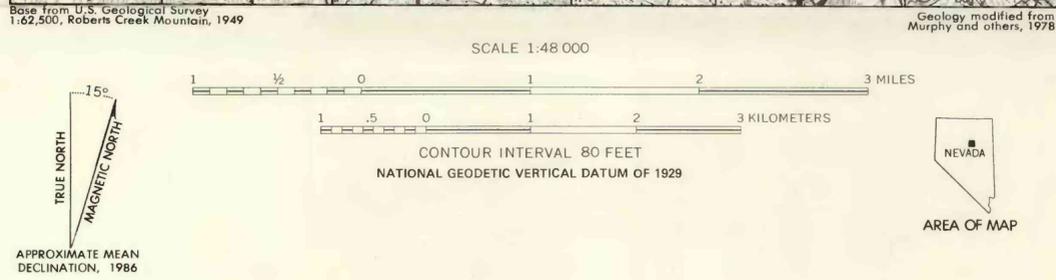
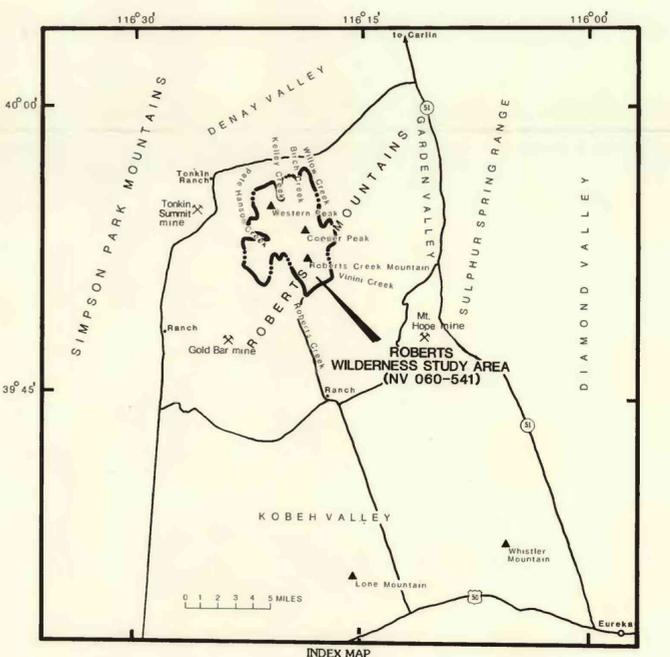
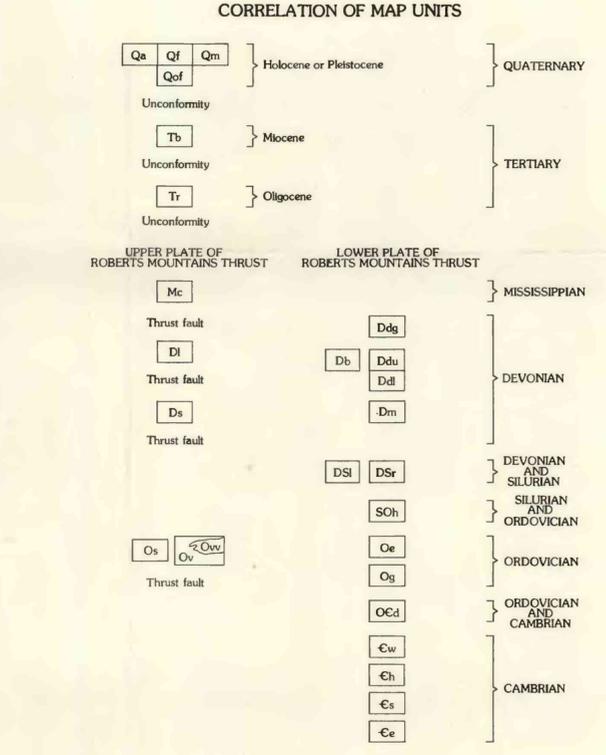
LEVEL OF RESOURCE POTENTIAL	U/A	H/B	H/C	H/D
	UNKNOWN POTENTIAL	HIGH POTENTIAL	HIGH POTENTIAL	HIGH POTENTIAL
		M/B	M/C	M/D
		MODERATE POTENTIAL	MODERATE POTENTIAL	MODERATE POTENTIAL
L/B	L/C	L/D	LOW POTENTIAL	
	LOW POTENTIAL	LOW POTENTIAL	N/D	
			NO POTENTIAL	
	A	B	C	D

LEVEL OF CERTAINTY

- COMMODITIES**
- Au Gold
  - Ag Silver
  - Pb Lead
  - Zn Zinc
- TYPES OF DEPOSITS**
- [ 1 ] Hydrothermal vein and stockwork along faults and shears in dolomite
  - [ 2 ] Disseminated and stockwork in silicified dolomite on the sole of the Roberts Mountains thrust

- DESCRIPTION OF MAP UNITS**
- Qa ALLUVIUM, COLLUVIUM, TALUS (HOLOCENE OR PLEISTOCENE)
  - Qf ALLUVIAL FANS (HOLOCENE OR PLEISTOCENE)
  - Qm MORaine (HOLOCENE OR PLEISTOCENE)
  - Qof OLDER ALLUVIAL FANS (HOLOCENE OR PLEISTOCENE)
  - Tb BASALT (MIOCENE)
  - Tr RHYOLITE (OLIGOCENE)
- UPPER PLATE OF ROBERTS MOUNTAINS THRUST**
- Mc UNNAMED CHERT AND ARGILLITE (MISSISSIPPIAN)
  - Dl UNNAMED LIMESTONE AND SHALE (DEVONIAN)
  - Ds UNNAMED SHALE AND CHERT (DEVONIAN)
  - Os UNNAMED SHALE AND ARGILLITE (ORDOVICIAN)
  - Ov VININI FORMATION (ORDOVICIAN)—In western part of the area some massive, lenticular bodies of volcanic breccia (Ovv)
- LOWER PLATE OF ROBERTS MOUNTAINS THRUST**
- Ddg DEVILS GATE LIMESTONE (DEVONIAN)
  - Db BAY STATE DOLOMITE (DEVONIAN)
  - Ddu DENAY LIMESTONE, UPPER PART (DEVONIAN)
  - Ddl DENAY LIMESTONE, LOWER PART (DEVONIAN)
  - Dm MCCOLLEY CANYON FORMATION (DEVONIAN)
  - DSl LONE MOUNTAIN DOLOMITE (DEVONIAN AND SILURIAN)
  - DSr ROBERTS MOUNTAINS FORMATION (DEVONIAN AND SILURIAN)
  - SOH HANSON CREEK FORMATION (SILURIAN AND ORDOVICIAN)
  - Oe EUREKA QUARTZITE (ORDOVICIAN)
  - Og GOODWIN LIMESTONE (ORDOVICIAN)
  - Ocd UNNAMED DOLOMITE (ORDOVICIAN AND CAMBRIAN)
  - ew WINDFALL FORMATION (CAMBRIAN)
  - eh HAMBURG DOLOMITE (CAMBRIAN)
  - es SECRET CANYON SHALE (CAMBRIAN)
  - ee ELDERADO DOLOMITE (CAMBRIAN)

- CONTACT—Dashed where uncertain; dotted where concealed
- - - ? FAULT—Dashed where uncertain; dotted where concealed; queried where doubtful
- Normal fault—Ball and bar on down thrown side
- Strike-slip fault—Showing relative horizontal movement
- Fault scarp—Hachures on downthrown side
- Roberts Mountains thrust fault
- Thrust fault—Arrows on upper plate
- Thrust Fault—Part of imbricate fault system. T on upper plate
- Area of silicification
- Area of dolomitization



MINERAL RESOURCE POTENTIAL MAP OF THE ROBERTS WILDERNESS STUDY AREA, EUREKA COUNTY, NEVADA