

EXPLANATION OF IDENTIFIED RESOURCES AND MINERAL RESOURCE POTENTIAL

- Area of identified gypsum resources
- M/C** Geologic terrane having moderate mineral resource potential for uranium in the Jurassic Morrison Formation, with certainty level C
- 1L/B** Geologic terrane having low mineral resource potential for uranium, with certainty level B—Applies to Cabezon study area
- 2L/B** Geologic terrane having low mineral resource potential for oil, gas, coal, geothermal energy, and metals other than uranium, with certainty level B—Applies to both study areas
- 3L/B** Geologic terrane having low mineral resource potential for zeolite minerals, with certainty level B—Applies to Brushy Basin Member of the Morrison Formation
- L/C** Geologic terrane having low mineral resource potential for sand and gravel, with certainty level C—Applies to all areas designated as Quaternary alluvium

- Kmu** Mancos Shale, undivided (Upper Cretaceous)—Crops out only in Cabezon Wilderness Study Area
- Kmd** Lower part of Mancos Shale and Dakota Sandstone (Upper Cretaceous)—Crops out only in Ojito Wilderness Study Area
- Morrison Formation (Upper Jurassic)**
- Brushy Basin Member
- Jmj** Jackpile sandstone
- Jmb** Mudstone unit
- Jmw** Westwater Canyon Member
- Jmr** Recapture Member
- Jw** Wanakah Formation (Middle Jurassic)
- Jwt** Todilto Limestone Member
- Contact
- Fault—Dotted where concealed; bar and ball on downthrown side
- 11 X Prospect pit—Showing sample number
- 12 O USBM-sampled outcrop—Showing number
- USGS stream-sediment sample locality—Showing number
- JIT 2 Sample collected from Ojito study area
- CP 2 Sample collected from Cabezon study area

CORRELATION OF MAP UNITS

Qal	Qt	}	QUATERNARY
Unconformity			
QTb		}	QUATERNARY-TERTIARY
Unconformity			
Kph	Kms	}	CRETACEOUS
Kp			
Km	Kmu		
Kmd			
Unconformity		}	JURASSIC
Jmj	Jmb		
Jmw			
Jmr			
Jw			
Jwt			

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

LIST OF MAP UNITS

- Qal Alluvium (Quaternary)
- Qt Talus (Quaternary)
- QTb Basalt (Quaternary and Tertiary)
- Kph Hosta Tongue of Point Lookout Sandstone (Upper Cretaceous)
- Kms Satan Tongue of Mancos Shale (Upper Cretaceous)
- Kp Point Lookout Sandstone (Upper Cretaceous)
- Km Upper part of Mancos Shale (Upper Cretaceous)—Crops out only in Ojito Wilderness Study Area

LEVELS OF RESOURCE POTENTIAL

H High mineral resource potential
M Moderate mineral resource potential
L Low mineral resource potential
U Unknown mineral resource potential
N No known mineral resource potential

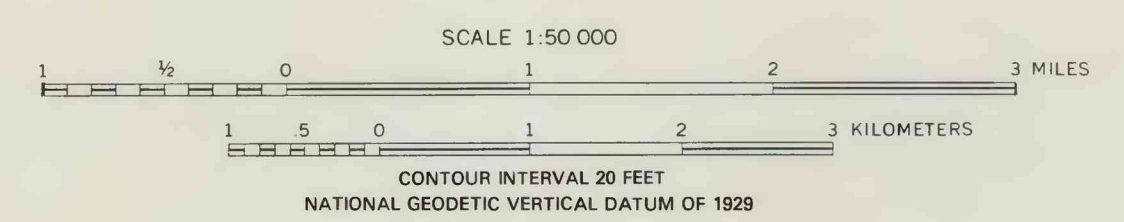
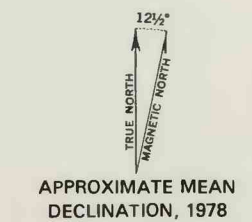
LEVELS OF CERTAINTY

A Available data not adequate
B Data indicate geologic environment and suggest level of resource potential
C Data indicate geologic environment, give good indication of level of resource potential, but do not establish activity of resource-forming processes
D Data clearly define geologic environment and level of resource potential and indicate activity of resource-forming processes in all or part of the area

Diagram showing relationships between levels of mineral resource potential and levels of certainty. Shading shows levels that apply to this study area

Base from U.S. Geological Survey, 1:24,000 Sky Village NW, 1960; Sky Village NE, 1960; Cabezon Peak, 1961; Casa Salazar, 1961; Ojito Spring, 1969; San Ysidro, 1969

Geology of the Ojito Wilderness Study Area mapped by Santos (1975); Cabezon Wilderness Study Area mapped by S.J. Soulliere and A.M. Leibold, 1985



MAP SHOWING IDENTIFIED RESOURCES, MINERAL RESOURCE POTENTIAL, GEOLOGY, AND SAMPLE SITES, OJITO AND CABEZON WILDERNESS STUDY AREAS, SANDOVAL COUNTY, NEW MEXICO