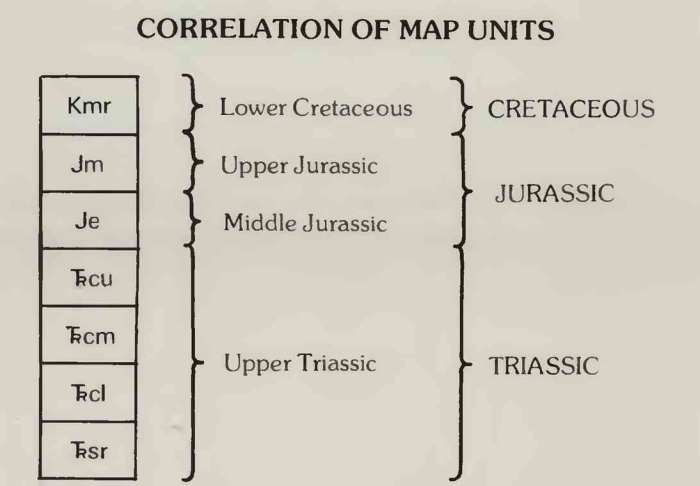


EXPLANATION OF MINERAL RESOURCE POTENTIAL

M/B Geologic terrane having moderate mineral resource potential for uranium in the middle member of the Chinle Formation, with certainty level B

L/B Geologic terrane having low mineral resource potential for uranium in the Morrison Formation, and low energy resource potential for oil and gas, with certainty level B

L/C Geologic terrane having low mineral resource potential for all metals other than uranium, with certainty level C



- LIST OF MAP UNITS**
- Kmr Mesa Rica Sandstone (Lower Cretaceous)
 - Jm Morrison Formation (Upper Jurassic)
 - Je Entrada Sandstone (Middle Jurassic)
 - Tcu Chinle Formation, upper member (Upper Triassic)
 - Tcm Chinle Formation, middle member (Upper Triassic)
 - Tcl Chinle Formation, lower member (Upper Triassic)
 - Tsr Santa Rosa Formation (Upper Triassic)

- Legend for Symbols:**
- Contact
 - ▨ Oil and gas leases—From U.S. Bureau of Land Management files, January 1986
 - 13 Outcrop sample locality—Showing number
 - × 22,23 Prospect sample locality—Showing number
 - 1-3 Adit sample locality—Showing number
 - Radiometric anomaly identified by U.S. Atomic Energy Commission

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
	POTENTIAL	L/B LOW POTENTIAL	L/C LOW POTENTIAL	L/D LOW POTENTIAL
			N/D NO POTENTIAL	
	A	B	C	D

LEVEL OF CERTAINTY →

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

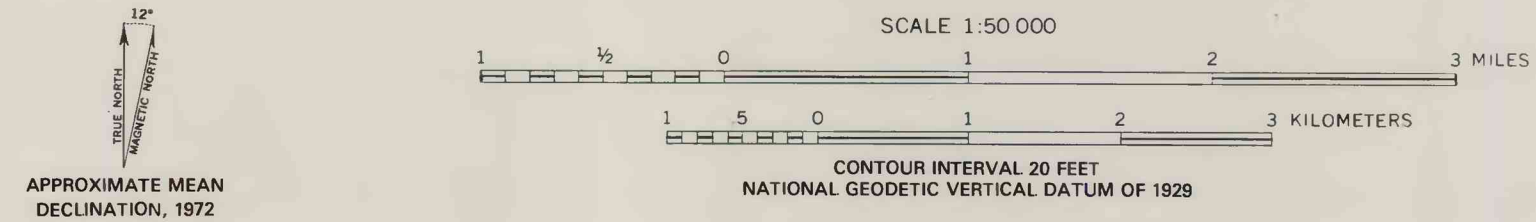
C Data indicate geologic environment, give good indication of level of resource potential, but do not establish activity of resource-forming processes

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 Canon Ogish, 1971, and San Ramon, Sabinoso, and Maes, 1972

Geology mapped in 1986 by A.M. Leibold assisted by S.J. Souliere, other field work in 1985 by C.L. Almqvist and R.H. Wood II



MAP SHOWING MINERAL RESOURCE POTENTIAL AND GEOLOGY OF THE SABINOSO WILDERNESS STUDY AREA, SAN MIGUEL COUNTY, NEW MEXICO