

EXPLANATION OF RESOURCE POTENTIAL

M/C Geologic terrane having moderate energy resource potential for oil and gas, with certainty level C—Applies to all of each area

L/C Geologic terrane having low resource potential for copper, gold, lead, silver, zinc, uranium, and geothermal energy, with certainty level C—Applies to all of each area

L/D Geologic terrane having low resource potential for coal and manganese, with certainty level D—Applies to all of each area

CORRELATION OF MAP UNITS

Qac	Qc	Qe	} Quaternary	} CENOZOIC
QTs	QTg	QTr		
Unconformity				
Jn	} Lower Jurassic	} Jurassic	} MESOZOIC	}
JK				
Jm				
Tcp	} Upper Triassic	} Triassic	}	}
Tcs				
Tmu	} Middle(?) and Lower Triassic	}	}	}
Tms				
Tmm				

- LIST OF MAP UNITS**
- Qac Alluvium and colluvium (Quaternary)
 - Qc Colluvium (Quaternary)
 - Qe Eolian deposits (Quaternary)
 - QTs Clay, silt, and sand of eolian, alluvial, and weathering origin (Quaternary and upper Tertiary(?))
 - QTg Conglomerate and gravel (lower Quaternary and upper Tertiary(?))
 - QTr Landslide deposits (Quaternary and upper Tertiary(?))
 - Jn Navajo Sandstone (Lower Jurassic)
 - JK Kayenta Formation (Lower Jurassic)
 - Jm Moenave Formation (Lower Jurassic)
 - Tcp Chinle Formation (Upper Triassic)
 - Tcs Petrified Forest Member
 - Tmu Moenkopi Formation (Middle(?) and Lower Triassic)
 - Tms Upper red member
 - Tmm Shinarump Member
 - Tmm Middle red member

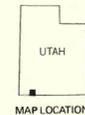
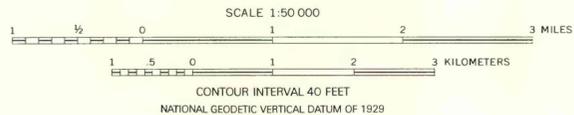
- Contact—Dashed where approximately located. Solid contacts at base of Quaternary and Tertiary(?) units are approximate
- - Fault—Dashed where approximately located, dotted where concealed; ball and bar on downthrown side
- Linear features—Bedrock fractures or linear features in unconsolidated sediment represent joints or faults
- Scarp—Internal or bounding scarp of landslide deposits. Hachures point towards interpreted direction of movement
- Slide block—Composed of relative undeformed Navajo Sandstone

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

- 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 shows 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
Colorado City, 1:62,500, 1954; Elephant Butte,
Hildale, Smithsonian Butte, Springdale East,
Springdale West, 1:24,000, 1960



MINERAL RESOURCE POTENTIAL AND GEOLOGIC MAP OF THE CANAAN MOUNTAIN AND THE WATCHMAN WILDERNESS STUDY AREAS, WASHINGTON AND KANE COUNTIES, UTAH