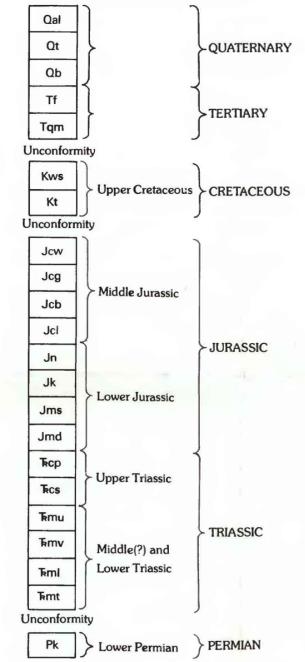


- EXPLANATION OF RESOURCE POTENTIAL**
- M/C** Geologic terrane having moderate energy resource potential for oil and gas, with certainty level C—Applies to entire study area
 - L/C** Geologic terrane having low resource potential for all metals including copper, silver, uranium, and geothermal sources, with certainty level C—Applies to entire study area
 - N/D** Geologic terrane having no resource potential for coal and gypsum, with certainty level D—Applies to entire study area

- LIST OF MAP UNITS**
- Qal Alluvium (Quaternary)
 - Qt Talus (Quaternary)
 - Ob Basalt (Quaternary)
 - Tf Fanglomerate deposits (Tertiary)
 - Tqm Quartz monzonite (Tertiary)
 - Kws Wahweap and Straight Cliffs Sandstones (Upper Cretaceous)
 - Kt Tropic Shale (Upper Cretaceous)
 - Carmel Formation of San Rafael Group (Middle Jurassic)
 - Jcw Winsor Member
 - Jcg Gypsiferous member
 - Jcb Banded member
 - Jcl Limestone member
 - Glen Canyon Group (Lower Jurassic)
 - Jn Navajo Sandstone
 - Jk Kayenta Formation
 - Moena Formation
 - Jms Springdale Sandstone Member
 - Jmd Dinosaur Canyon Member
 - Chinle Formation (Upper Triassic)
 - Tcp Petrified Forest Member
 - Tcs Shinarump Member
 - Moenkopi Formation (Middle? and Lower Triassic)
 - Tmu Includes upper red member, Shnabkaib Member, and middle red member
 - Tmv Virgin Limestone member
 - Tml Lower red member
 - Tmt Timpoweap Member
 - Pk Kaibab Limestone (Lower Permian)

CORRELATION OF MAP UNITS



- Contact—Dashed where approximately located
- - - Fault—Dashed where approximately located; dotted where concealed. Bar and ball on downthrown block
- ↑ Anticline
- ↗ Strike and dip of bedding
- ↘ Inclined
- ↯ Overturned

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 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

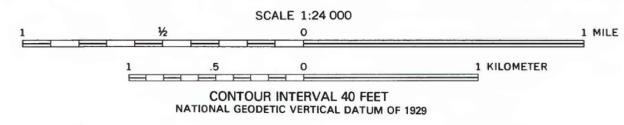
- H** High mineral resource potential
- M** Moderate mineral resource potential
- L** Low mineral resource potential
- U** Unknown mineral resource potential
- N** No known mineral resource potential

LEVELS OF CERTAINTY

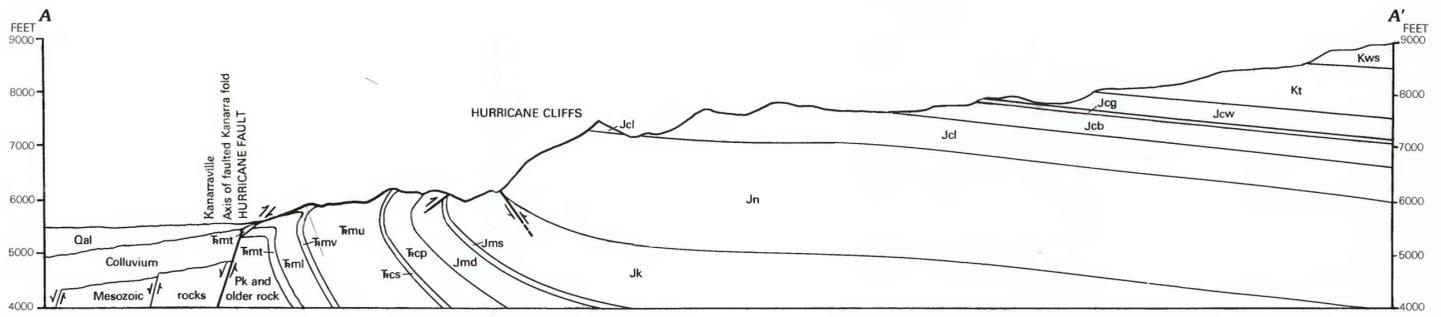
- A** Available data not adequate
- B** Data indicate geologic environment and suggest level of resource potential
- C** Data indicate geologic environment, give good indication of level of resource potential, but do not establish activity of resource-forming processes
- D** Data clearly define geologic 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, Cedar Mountain, 1950, photorevised, 1979; Kanarrville, 1950, photorevised, 1978



Geology from Avenit (1962, 1967) with modifications by R.E. Van Loenen and E.G. Soble in 1967



MAP SHOWING MINERAL RESOURCE POTENTIAL AND GEOLOGY OF THE SPRING CREEK CANYON WILDERNESS STUDY AREA, IRON COUNTY, UTAH