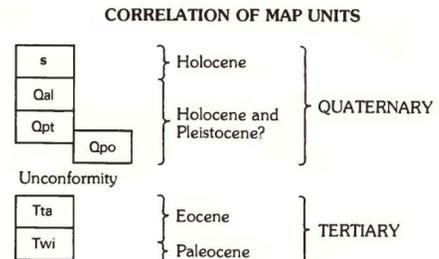


**H/B**  
**M/B**  
**L/C**

**EXPLANATION**  
Geologic terrane having high energy resource potential for oil and gas and for sub-economic resources of deeply buried coal, with certainty level B, and having moderate energy resource potential for deep-seated geothermal sources, with certainty level B, and having low mineral resource potential for oil shale and metals, including uranium, with certainty level C—Applies to entire study area

**B** Available information suggests level of resource potential  
**C** Available information gives good indication of level of resource potential



- LIST OF MAP UNITS**
- s Quiet-water silt and clay (Holocene)
  - Qal Alluvium of Fifteenmile Creek (Holocene and Pleistocene)
  - Qpt Pediment and tributary stream alluvium (Holocene and Pleistocene)
  - Qpo Old pediment deposits (Holocene and Pleistocene)
  - Tta Tatman Formation (Eocene)
  - Twl Willwood Formation (lower Eocene and upper Paleocene)
- Contact  
— Syncline  
◊ Dry hole

LEVEL OF RESOURCE POTENTIAL ↑	U/A	H/B HIGH POTENTIAL	H/C HIGH POTENTIAL	H/D 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	
		LEVEL OF CERTAINTY →		
	A	B	C	D

**LEVELS OF RESOURCE POTENTIAL**

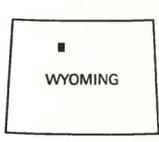
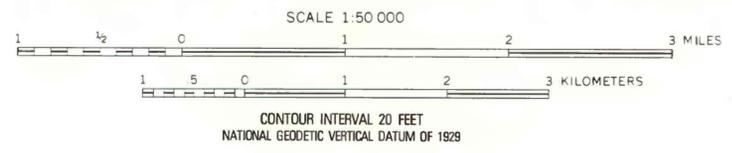
- H** High mineral resource potential
- M** Moderate mineral resource potential
- L** Low mineral resource potential
- U** Unknown mineral resource potential
- N** No known mineral resource potential

**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 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 Dead Indian Hill, Dutch Nick Flat NW, Dutch Nick Flat SW, and Gillies Draw, 1951



Geology mapped on aerial photographs by A. B. Gibbons, 1987; field-checked, 1987

**MAP SHOWING MINERAL RESOURCE POTENTIAL AND GEOLOGY OF THE BOBCAT DRAW BADLANDS WILDERNESS STUDY AREA AND VICINITY, BIG HORN AND WASHAKIE COUNTIES, WYOMING**