

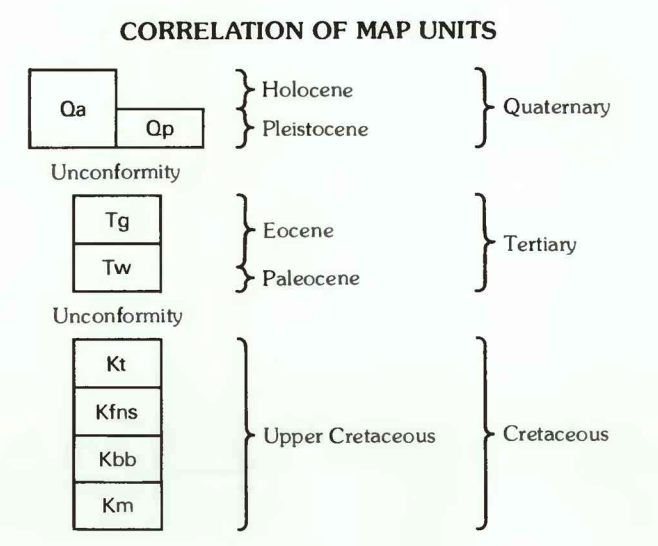
**EXPLANATION OF MINERAL RESOURCE POTENTIAL**

**1H/D** Geologic terrane having high mineral resource potential for coal, with certainty level D

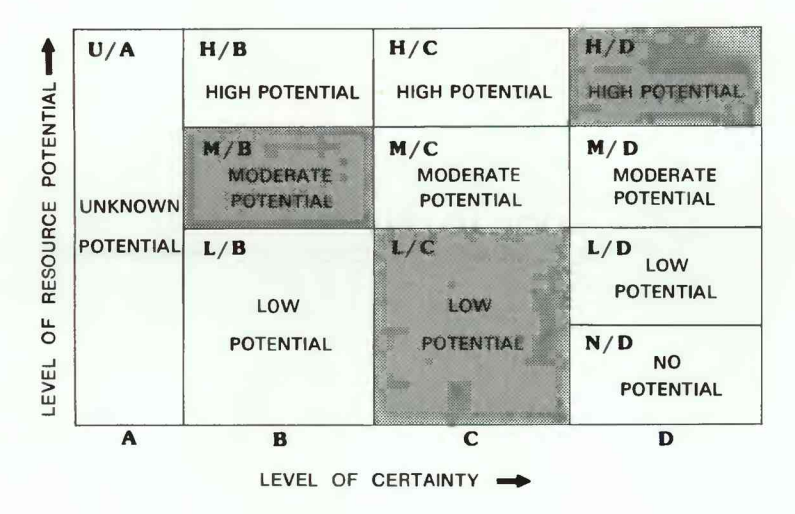
**2H/D** Geologic terrane having high mineral resource potential for oil and gas, with certainty level D— Includes entire area of all three wilderness study areas

**M/B** Geologic terrane having moderate mineral resource potential for tar sand, with certainty level B

**L/C** Geologic terrane having low mineral resource potential for oil shale, gilsonite, uranium, other metals, and geothermal energy (includes entire area of all three wilderness study areas) and of tar sand, with certainty level C



- LIST OF MAP UNITS**
- Qa Alluvium (Holocene and Pleistocene)
  - Op Pediment deposits (Pleistocene)
  - Tg Green River Formation (Eocene)
  - Tw Wasatch Formation (Eocene and Paleocene)
  - Kt Tuscher Formation (Upper Cretaceous)
  - Kfns Farrer Formation (Upper Cretaceous), Neslen Formation (Upper Cretaceous), and Sego Sandstone (Upper Cretaceous)
  - Kbb Buck Tongue of the Mancos Shale (Upper Cretaceous), Castlegate Sandstone (Upper Cretaceous), and Blackhawk Formation (Upper Cretaceous)
  - Km Main body of the Mancos Shale (Upper Cretaceous)
- Contact**
- Fault—Bar and ball on downthrown side
  - ◇ Dry hole
  - ☆ Gas well
  - Oil well
  - ⊛ Oil and gas well
  - ⊙ Coal mine
  - x Prospect pit in Dry Canyon



**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

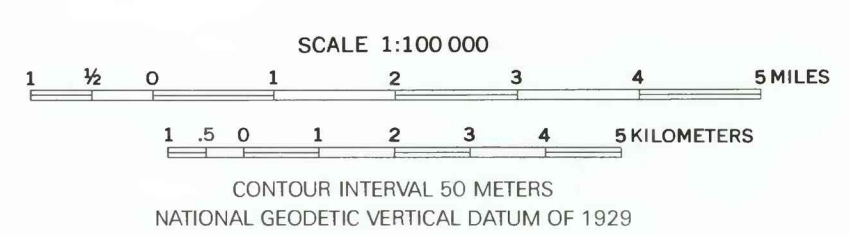
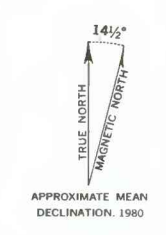
**C** Data indicate geologic environment, give good indication of level of resource potential, but do not establish activity of resource-forming processes

**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  
Westwater, 1:100,000, 1980

Geology mapped by Guattieri (1988),  
modified by R.P. Dickerson



**MINERAL RESOURCE POTENTIAL, IDENTIFIED RESOURCES, AND GEOLOGY OF THE COAL CANYON, SPRUCE CANYON, AND FLUME CANYON WILDERNESS STUDY AREAS, GRAND COUNTY, UTAH**