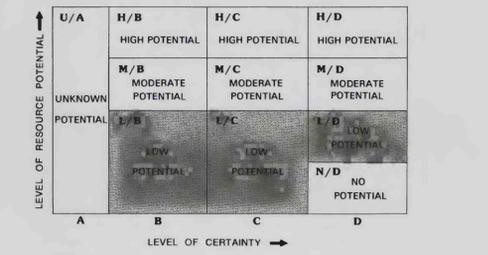


**EXPLANATION OF MINERAL RESOURCE POTENTIAL**  
 L/B Geologic terrane having low mineral resource potential for gas, with certainty level B—Applies to entire study area  
 L/C Geologic terrane having low mineral resource potential for barite, all metals, and geothermal energy, with certainty level C—Applies to entire study area  
 L/D Geologic terrane having low mineral resource potential for oil, with certainty level D—Applies to entire study area

**CORRELATION OF MAP UNITS**

Qal	Qc	Qg	Ql	Qfy	} QUATERNARY
				Qfo	
Unconformity					
Mmc					} Upper Mississippian
Mmg					
Dt					} Upper Devonian
Dj					
Unconformity					
SOlf	SOl				} Upper Ordovician
Ok					
Unconformity					
Osu					} ORDOVICIAN
Osm					
Osl					
Unconformity					
Cu					} CAMBRIAN(?)
CZw					

- LIST OF MAP UNITS**
- Qal Alluvium (Quaternary)
  - Qc Colluvium (Quaternary)
  - Qg Glacial deposits (Quaternary)
  - Ql Landslide deposits (Quaternary)
  - Qfy Younger alluvial-fan deposits (Quaternary)
  - Qfo Older alluvial-fan deposits (Quaternary)
  - Mmc Middle Canyon Formation (Upper Mississippian)
  - Mmg McGowan Creek Formation (Lower Mississippian)
  - Dt Three Forks Formation (Upper Devonian)
  - Dj Jefferson Formation (Upper and Middle Devonian)
  - SOlf Laketown Dolostone (Silurian) and Fish Haven Dolostone (Lower Silurian and Upper Ordovician)
  - SOl Fish Haven Dolostone (Lower Silurian and Upper Ordovician)
  - Ok Kimmikic Quartzite (Middle Ordovician)
  - Osu Summerhouse Formation (Lower Ordovician) Upper member
  - Osm Middle member—Queried where uncertain
  - Osl Lower member—Queried where uncertain
  - Cu Unnamed phyllite, locally includes carbonate rock (Cambrian?)—Queried where uncertain
  - CZw Wilbert Formation (Lower Cambrian? and Late Proterozoic)
- Contact—Dashed where approximately located or inferred;  
 --- Fault—Dashed where approximately located or inferred; dotted where concealed
- ⊥ Normal fault—Bar and ball on downthrown side
- Strike and dip of bedding
- 35° Inclined
  - ⊥ Vertical
  - 65° Overturned
- 5● Geochemical sample locality and number



**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

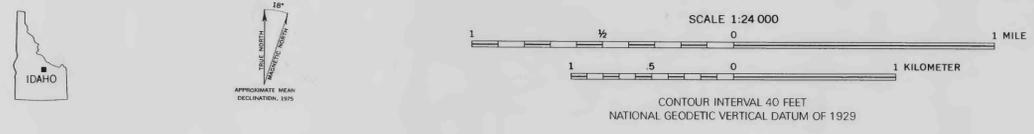
**LEVELS OF CERTAINTY**

- 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 Borah Peak, 1967, Elkhorn Creek, 1967

Geology mapped by Betty Skipp, 1984, 1985, 1987, 1988; S.U. Janecke, 1967, 1988; and A.B. Wilson, 1967, 1988. Some attitudes from Susong (1987). Fault scarps modified from Crone and others (1987)



**MAP SHOWING MINERAL RESOURCE POTENTIAL, GEOLOGY, AND GEOCHEMICAL SAMPLE SITES, BORAH PEAK WILDERNESS STUDY AREA, CUSTER COUNTY, IDAHO**