

EXPLANATION OF MINERAL RESOURCE POTENTIAL

- M/B** Geologic terrane having moderate mineral resource potential for antimony, arsenic, and gold, with certainty level B
- M/C** Geologic terrane having moderate mineral resource potential for geothermal energy, with certainty level C—Applies to entire study area
- L/C** Geologic terrane having low mineral resource potential for all metals (except as noted above), oil, gas, and coal, with certainty level C—Applies to entire study area

CORRELATION OF MAP UNITS

|     |             |            |
|-----|-------------|------------|
| Qb  | Pleistocene | QUATERNARY |
| Tg  |             |            |
| Tb  | Miocene     | TERTIARY   |
| Tiv |             |            |

LIST OF MAP UNITS

- Qb Bruneau Formation (Pleistocene)
- Tg Glens Ferry Formation (Pliocene)
- Tb Banbury Basalt (Miocene)
- Tiv Idavada Volcanics (Miocene)

- Contact—Dashed where inferred or approximately located
- U Fault—Dashed where inferred, dotted where concealed; U, upthrown side, D, downthrown side
- KMT 001 Sample locality

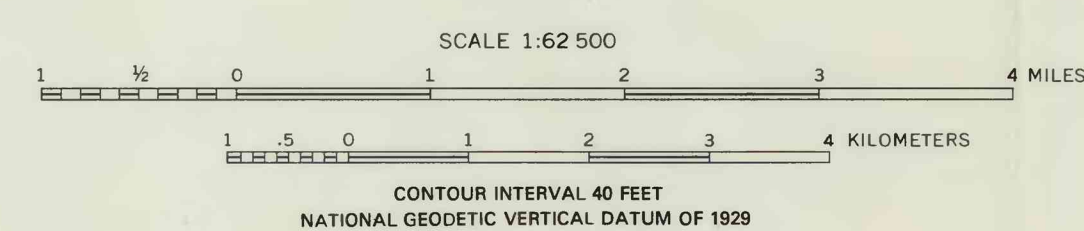
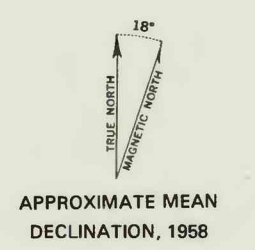
|                               |                      |                    |                    |                    |
|-------------------------------|----------------------|--------------------|--------------------|--------------------|
| LEVEL OF RESOURCE POTENTIAL ↑ | U/A                  | H/B                | H/C                | H/D                |
|                               |                      | HIGH POTENTIAL     | HIGH POTENTIAL     | HIGH POTENTIAL     |
|                               | UNKNOWN              | M/B                | M/C                | M/D                |
|                               | POTENTIAL            | MODERATE POTENTIAL | MODERATE POTENTIAL | MODERATE POTENTIAL |
|                               | L/B                  | L/C                | L/D                |                    |
|                               | LOW POTENTIAL        | LOW POTENTIAL      | 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, 1:62,500 Bennett Mtn., 1958, and King Hill, 1958

Geology modified from Malde and Powers (1972)



MAP SHOWING MINERAL RESOURCE POTENTIAL, GEOLOGY, AND SAMPLE LOCALITIES FOR THE KING HILL CREEK WILDERNESS STUDY AREA, ELMORE COUNTY, IDAHO