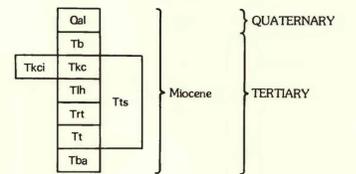


EXPLANATION OF MINERAL RESOURCE POTENTIAL

[Except for parts of study area designated below as having high or moderate potential for commodity 2, the study area has a low mineral resource potential for commodity 2 (certainty level D). Entire study area has a low mineral resource potential for tin, uranium and thorium, sand and gravel, and oil and gas (certainty level D) and for arsenic, antimony, mercury, silver, geothermal energy, and diatomite (certainty level C)]

- H/C, D** Geologic terrane having a high mineral resource potential for commodity 1 (certainty level C or D) or for commodity 2 (certainty level D)—Commodity shown on map by number in parentheses
 - M/B, C** Geologic terrane having a moderate mineral resource potential for commodity 1 (certainty level C) or for commodity 2 (certainty level B)—Commodity shown on map by number in parentheses
 - L/C** Geologic terrane having a low mineral resource potential for commodity 1 (certainty level C)—Commodity shown on map by number in parentheses
 - U/A** Geologic terrane having an unknown mineral resource potential for commodity 1 (applies to all parts of study area not designated as having high, moderate, or low potential for commodity 1) and (or) for commodity 3 (applies to entire study area)
- Commodities:
1. Disseminated gold
 2. Zeolites
 3. Barite

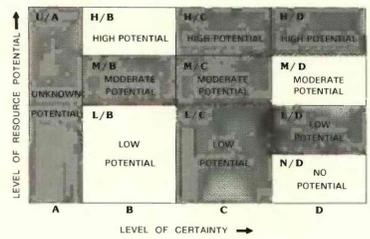
CORRELATION OF MAP UNITS



LIST OF MAP UNITS

- Qal Alluvium (Quaternary)
- Tb Big Island Formation (Miocene)
- Tkc Rhyolite of Kelly Creek Mountain (Miocene)
- Tki Feeder dike
- Tlh Tuff of the Little Humboldt River (Miocene)
- Trt Rhyolitic to andesitic tuffs, undivided (Miocene)
- Tt Tuff (Miocene)
- Tts Tuffaceous sedimentary rocks, undivided (Miocene)
- Tba Basaltic andesite (Miocene)

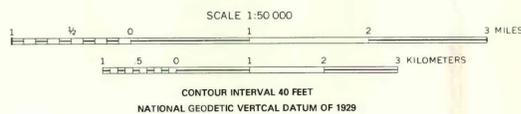
- Contact—Dashed where approximate, dotted where concealed
- | Fault—Dashed where approximate, dotted where concealed; bar and ball on downdropped block
- Strike and dip of bedding
- * Volcanic vent for flows of Big Island Formation



- 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
Haystack Peak, Redden Flat, and Snowstorm
Mountains, 1976, Oregon Plate, 1977

Geology mapped in 1985 by A.R. Wallace,
M. J. Lamm, and B. Wolfe Michael, and
in 1986 by A. R. Wallace



MINERAL RESOURCE POTENTIAL AND GEOLOGIC MAP OF THE LITTLE HUMBOLDT RIVER
WILDERNESS STUDY AREA, ELKO COUNTY, NEVADA