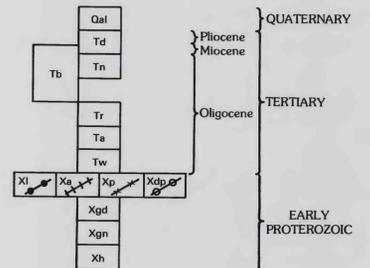


EXPLANATION OF MINERAL RESOURCE POTENTIAL

- Mine having identified resources of perlite—Near northern edge of study area
- L/C Geologic terrane having low mineral resource potential for all metals, industrial minerals, and geothermal energy, with certainty level C—Applies to entire study area
- L/D Geologic terrane having low mineral resource potential for oil and gas, with certainty level D

CORRELATION OF MAP UNITS



LIST OF MAP UNITS

- Qal Alluvium (Quaternary)
- Td Dry Union Formation (Pliocene and Miocene)
- Tb Browns Canyon Formation (Miocene and Oligocene)
- Tn Nathrop Volcanics (Oligocene)
- Tr Porphyritic rhyodacite ash (Oligocene)
- Ta Rhyodacite ash (Oligocene)
- Tw Wall Mountain Tuff (Oligocene)
- Xi Lamprophyre dike (Early Proterozoic)
- Xa Granite aplite dike (Early Proterozoic)
- Xp Granite pegmatite dike (Early Proterozoic)
- Xdp Dacite porphyry dike (Early Proterozoic)
- Xgd Granodiorite (Early Proterozoic)
- Xgn Banded quartz-feldspar-biotite gneiss (Early Proterozoic)
- Xh Hornblende gneiss (Early Proterozoic)

- Contact
- Fault—Dashed where approximately located; dotted where concealed; D, downthrown side; U, upthrown side
- Locality of stream-sediment sample—Showing number

LEVEL OF RESOURCE POTENTIAL ↑	U/A	H/B	H/C	H/D
	UNKNOWN	M/B	M/C	M/D
	L/B	L/C	L/D	N/D
	POTENTIAL	LOW POTENTIAL	LOW POTENTIAL	NO POTENTIAL
	A	B	C	D
	LEVEL OF CERTAINTY →			

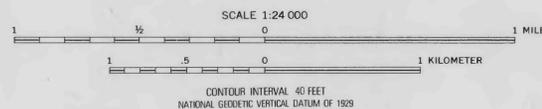
- LEVELS OF RESOURCE POTENTIAL
- H High mineral resource potential
 - M Moderate mineral resource potential
 - L Low mineral resource potential
 - U Unknown mineral resource potential
 - N No known mineral resource potential
- LEVELS OF CERTAINTY
- A Available data not adequate
 - B Data indicate geologic 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 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, Nathrop and Buena Vista East, 1983

Geology modified from Van Alstine (1968), and Scott and others (1975)

APPROXIMATE MEAN DECLINATION, 1983



COLORADO

MAP SHOWING MINERAL RESOURCE POTENTIAL, GEOLOGY, AND SAMPLE LOCALITIES OF PART OF THE BROWNS CANYON WILDERNESS STUDY AREA, CHAFFEE COUNTY, COLORADO