UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

GRAYHOUSE AREA
AMADOR COUNTY
CALIFORNIA

Geology by G.R. Heyl and M.H. Staatz

Topography by M.W. Cox, D.G. Wyant, and M.H. Staatz

Triangulation by M.H. Staatz and M.W. Cox

18½° TRUE NORTH MAGNETIC NORTH

SCALE IN FEET
200 100 0 200 400 600 800
1 inch = 200 feet

Contour interval is 10 feet
Datum is sea level
Coordinates refer to Penn mine area triangulation system

EXPLANATION

Sedimentary and Volcanic Rocks

Quaternary

- Qal — Alluvium
- Qt — Terrace gravel, sand, and volcanic ash

Tertiary

- Tg — Gravel, sandstone, mudstone, and limonite rock

Unconformity

Jurassic

- Ja — Amador group, low-grade metamorphosed volcanics
- Quartz crystal tuff
- Meta-basalt, including pillow lava

Intrusive Rocks

- Felsite
- Quartz porphyry breccia
- Quartz porphyry

Altered Rocks

- sil — Silicified rock
- Sericitized, silicified rock
- Sericitized rock

Miscellaneous Rocks

- go — Gossan
- Quartz veins

Special Symbols

- Geologic contact, observed, inferred, concealed
- Fault, with dip, observed, inferred
- Attitude of bed
- Attitude of schistosity, plunge of lineation
- Vertical schistosity
- Dip of quartz vein
- Shaft
- Adit
- Pit and dump
- Trench
- Building
- Triangulation point

Abundant nodules of limonite present in these schists

Limonite veinlets and streaks present in these schists

Folds in jasper beds

East China Gulch

Barnett Gulch

Grayhouse

Grayhouse Shaft

U.S.M. DD Hole

Dump

Ditch

MOKELUMNE RIVER

28,000 N
27,000 N
26,000 N
25,000 N
24,000 N
23,000 N
17,000 E
18,000 E
19,000 E
20,000 E