

Base from U.S. Geological Survey, 1957
(photorevised 1971)
Transverse Mercator projection

SCALE 1:250,000
0 5 10 15 20 25 MILES
0 5 10 15 20 25 KILOMETERS

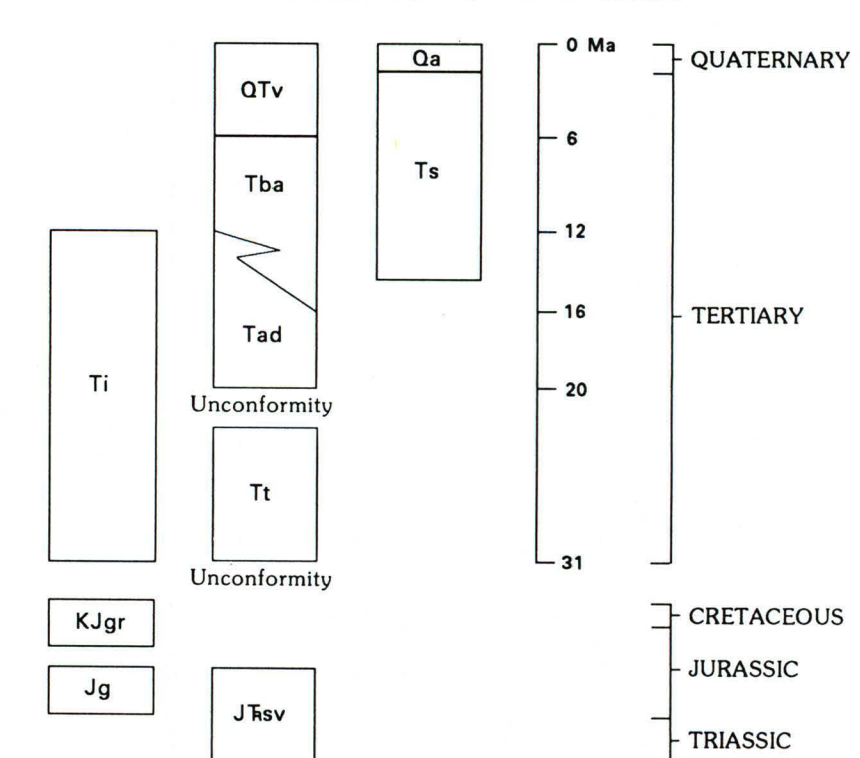
Geology modified from
Greene and others (1981)

DESCRIPTION OF MAP UNITS

- Oa** Alluvium (Quaternary)
- QTV** Volcanic rocks (Quaternary and Tertiary)—Basalt and rhyolitic rocks
- Ts** Sedimentary rocks (Tertiary)
- Tba** Basalt, andesite, and rhyolite (Tertiary)—Mostly basalt and andesite, minor rhyolitic flows, domes, and shallow intrusive rocks. Bimodal basalt-rhyolite assemblage
- Ti** Intrusive rocks (Tertiary)—Includes granitic and fine-grained to porphyritic rocks
- Tad** Andesite and dacite (Tertiary)—Western andesite assemblage
- Tt** Ash-flow tuff and minor andesitic to rhyolitic flows, domes, and shallow intrusive rocks (Tertiary)—Interior andesite and rhyolite assemblage
- Kjgr** Granitic rocks (Cretaceous and Jurassic)
- Jg** Gabbroic rocks (Jurassic)
- J'sv** Metasedimentary and metavolcanic rocks (Jurassic and Triassic)
- Contact
- - - Fault—Dotted where inferred

- 22** Terrane permissive for adularia-sericite gold-silver and quartz-alunite gold deposits
- 23** Tract favorable for adularia-sericite gold-silver deposits
- 24** Tract favorable for quartz-alunite gold deposits
- 25** Terrane permissive for Tertiary porphyry copper deposits
- 26** Tract characterized in table 2
- ▼ Mines and prospects—Symbol denotes deposit type(s) present
- ▲ Adularia-sericite gold-silver
- ▽ Quartz-alunite gold
- ⊕ Hot-spring mercury or gold
- Porphyry copper
- Polymetallic vein
- Polymetallic replacement
- Copper skarn
- ⊗ Epithermal manganese

CORRELATION OF MAP UNITS



PERMISSIVE TERRANES AND FAVORABLE TRACTS FOR TERTIARY EPITHERMAL GOLD-SILVER AND PORPHYRY COPPER DEPOSITS

By
David A. John, John H. Stewart, James E. Kilburn, Norman J. Silberling, and
Larry C. Rowan
1993