

LEGEND
(continued)

- Known productive formations
- Quartz veins (direction and dip of lower outcrop)
- Quartz veins (probable outcrop)
- Cross-sections usually without quartz and barren
- Known course of surface flow (showing drainage channels under volcanic capping)
- Probable course of surface flow (showing drainage channels under volcanic capping)
- Auriferous gravels
- Bed-rock (exposed by hydraulic mining; letter symbols placed in parentheses indicate the formation thus exposed)

LEGEND

SURFICIAL ROCKS

- Pal Alluvium (sand and gravel)
- Pdb Debris (from hydraulic gravel mines)

SEDIMENTARY ROCKS

- Nr Rhyolite-tuff (usually or always interbedded with gravel)
- Ng Auriferous river gravels (with beds of clay sand, and some volcanic tuff)

Jm Mariposa formation (clay-slate with tuff)

Cc Calaveras formation (micaceous clay-slate and black chert)

Ccm Calaveras formation (micaceous and quartziferous schist and metamorphic rocks with granodiorite)

IGNEOUS ROCKS

Na Andesite (tuff and breccia)

grd Granodiorite

ap Aplite (granitic fluxes of granodiorite)

di Diorite (sometimes containing pyroxene in pure fluxes of granodiorite)

gb Gabbro

pt Porphyrite (augitic and hornblende with diorite and tuff extensively altered to amphibolite rocks)

s Serpentine (derived from gabbro, porphyrite, and diorite)

pts Amphibolite schist (derived from diorite and porphyrite)

SPECIAL SYMBOLS

100 Dip and strike of stratified rocks

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

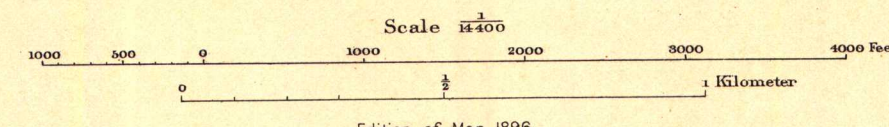
100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

100 Dip and strike of schistosity

A.H. Thompson, Geographer.
E.M. Douglas, Topographer in charge.
Triangulation by E.M. Douglas.
Topography by A.F. Dunnington.
Surveyed in 1891.



Geology by W. Lindgren.
Surveyed in 1893-1894.