

LEGEND
(continued)

SPECIAL SYMBOLS

- Legend symbols for special features:
- Dip and strike of stratified rocks
 - Vertical dip and strike of stratified rocks
 - Dip and strike of schistosity
 - Vertical dip and strike of schistosity
 - Dip and strike of joint structure
 - Pits of hydraulic mines
 - Vertical shafts
 - Inclined shafts
 - Tunnels
 - Tunnels of known length but direction doubtful
 - 2580 Elevation of the Neocene surface under volcanic capping (bed rock)

Known productive formations

- Legend symbols for known productive formations:
- Quartz veins (direction and dip of known outcrops)
 - Quartz veins (probable outcrops)
 - Cross-seams (usually without quartz and barren)
 - Known course of underflow Neocene drainage channels under volcanic capping
 - Probable course of underflow Neocene drainage channels under volcanic capping

LEGEND

SURFICIAL ROCKS

(Areas of Surficial rocks are shown by patterns of dots and circles.)

- Legend symbols for surficial rocks:
- Pa: Alluvium (sand and gravel)
 - Pdb: Debris (from hydraulic gravel mines)

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines. Metamorphism is indicated by short dashes combined with the parallel lines.)

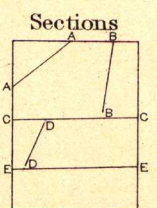
- Legend symbols for sedimentary rocks:
- Cc: Calaveras formation (slates and sandstones)
 - Cem: Calaveras formation (metamorphosed with late metamorphism in contact with granitoid rocks)

IGNEOUS ROCKS

(Areas of igneous rocks are shown by patterns of triangles and rhombs.)

- Legend symbols for igneous rocks:
- Na: Andesite (tuff and breccia)

- Legend symbols for igneous rocks (continued):
- grd: Granodiorite
 - grd: Dikes of granodiorite
 - qpy: Quartz porphyry (dikes of granitoid rocks)
 - di: Diorite (sometimes containing pyroxene)
 - gb: Gabbro
 - as: Angite-syenite
 - pt: Porphyrite and diabase with their tuffs and breccias (largely altered to argillite rocks. Porphyrite is chiefly argillite)
 - qpy: Quartz porphyrite
 - s: Serpentine (largely derived from pyroxene and peridotite)
 - pts: Amphibolitic schist (principally derived from breccia and tuff of angite porphyrite)



Legend is continued on the left margin.

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

Scale 1:2500
1000 500 0 1000 2000 3000 4000 Feet
0 1 2 3 4 5 6 7 8 9 10 Kilometer
Contour Interval 20 feet.
Datum is mean Sea level.
Edition of Mar. 1896.

Geology by W. Lindgren.
Surveyed in 1893-94.