



**LEGEND**

**SUPERFICIAL**

LATE  
al Alluvium (bottom lands)

EARLIER  
grv River gravels (containing gold)

mr Moraines

**PLEISTOCENE**

**SEDIMENTARY**

Ng Auriferous river gravels

**NEOCENE**

**SEDIMENTARY (metamorphic)**

Km Mariposa slates  
Black clay shales of late early Cretaceous or late Tertiary containing numerous rich gold veins. (Tooting slates)

Cc Calaveras formation  
Slate, quartzite, limestone and mica schist of Carboniferous age and possibly in part early Mesozoic as well as older Paleozoic. Contains gold quartz veins.

Ccm Contact metamorphic rock of same age as Calaveras formation, mica schist and quartz-schist containing some copper deposits.

**CRETACEOUS**

**AURIFEROUS SLATE SERIES**

**IGNEOUS**

Na Andesite (fragmental)

Nr Rhyolite (fragmental with some clay and gravel)

grd Granodiorite

gbd Gabbro-diorite

qp Quartz-porphyrite

hp Hornblende-porphyrite

db Diabase (in part diabase porphyry and diabase rock)

pr Peridotite

py Pyroxenite

gpy Garnet-pyroxene Rock

s Serpentine (containing chrome iron deposits)

**AGE OF MARIPOSA SLATES AND OLDER**

**DYNAMOMETAMORPHIC**

am Amphibolite (derived from diabase, gabbro etc. containing some copper deposits and gold quartz veins)

100, 200, and strike of stratified rocks

Vertical dip and strike of stratified rocks.

Dip and strike of schistosity.

Gold quartz mine.

Lenses in Calaveras formation (Dinastone)

Henry Gannett, Chief Topographer.  
A.H. Thompson, Geographer in charge.  
Triangulation by H.M. Wilson.  
Topography by H.M. Wilson, A.F. Dunnington and R.H. McKee.  
Surveyed in 1887

H.M. Wilson  
A.F. Dunnington  
R.H. McKee

Scale 125,000  
Contour Interval 100 feet  
Edition of July 1893.

Geo. F. Becker, Geologist in Charge.  
Geology by W. Lindgren and H.W. Turner.  
Surveyed in 1889-91.