



SUPERFICIAL

LATE

al Alluvium (bottom lands)

EARLIER

grv River gravels (containing gold)

mr Moraines

PLEISTOCENE

SEDIMENTARY

Ng Auriferous river gravels

NEOGENE

SEDIMENTARY (metamorphic)

Km Mariposa slates (black clay slates (after early Cretaceous) and possibly in part early Mesozoic as well as older Mesozoic. Contains gold, quartz veins, floating slates)

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

Cem Contact metamorphic rock (of same age as Calaveras formation. Mica schist and quartz schist containing some copper deposits)

CARBONIFEROUS

IGNEOUS

Na Andesite (fragmental)

Nr Rhyolite (fragmental with some clays and gravels)

grd Gabbro-diorite

gbd Gabbro-diorite

qp Quartz-porphyrite

hp Hornblende-porphyrite

db Diabase (in part diabase porphyry and diabase tuff)

pr Peridotite

py Pyroxenite

gpy Garnet-pyroxene Rock

s Serpentine (containing chrome iron deposits)

NEOGENE

DYNAMOMETAMORPHIC

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

AGE OF MARIPOSA SLATES AND OLDER

— Dip and strike of stratified rocks.

— Vertical dip and strike of stratified rocks.

— Dip and strike of schistosity.

— Gold quartz mines.

— HYDR. Hydraulic mines in auriferous gravels.

— DRIFT Drift mines in auriferous gravels.

— Other mines and quarries.

— Prospect holes.

— Lenses in Calaveras formation (limestone)

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 128,000
Contour Interval 100 feet
Edition of July 1893.

Lindgren
Turner

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