

GEOLOGY-PALEONTOLOGY LIBRARY

California Institute of Technology

U. S. GEOLOGICAL SURVEY
J. W. POWELL, DIRECTOR

AREAL GEOLOGY

(Placerville)

CALIFORNIA
JACKSON SHEET

LEGEND

SUPERFICIAL

LATE

al

Alluvium
bottom lands

earlier

grv

Shore and river
gravels and hardpan
(the gravels frequently
contain pebbles)

PLEISTOCENE

SEDIMENTARY
(unaltered)

Ng

Auriferous river
gravels

Nsg

Neocene shore
gravels

Ni

Ione formation
(clay sandstone
and clay rock
Contains coal seams
and iron deposits)

NEOCENE

SEDIMENTARY
(metamorphic)

Jm

Mariposa slates
(black clay slates containing
mariposa and gold quartz
veins, roofing slates)

Cc

Calaveras
formation
(Argillite, limonite,
quartzite, phyllite
and mica schist
Contains gold quartz veins)

CARBONIFEROUS JURATRIAS

IGNEOUS
(unaltered)

Na

Andesite
(massive and
fragmental)

Nr

Rhyolite-tuff
(with some beds of clay
building stone)

di

Diorite
(with prisms
horribles needles)

grd

Granodiorite
(containing gold
quartz veins)

gr

Granite

qm

Quartz-muscovite
rock

qd

Quartz-diorite

gbd

Gabbro-diorite

gdp

Gabbro-pyroxenite

gb

Gabbro

py

Pyroxenite

s

Serpentine
(Contains chromite
iron deposits)

qp

Quartz-porphyrite

db

Diabase and
porphyrite

hp

Hornblende-
porphyrite

IGNEOUS

am

Amphibolite-
schist
(derived from diabase,
gabbro etc. containing
copper, arsenic and
gold quartz veins)

at

Amphibole-
tal schist
(derived from
pyroxenite etc.)

l

Limestone lenses

DYNAMOMETAMORPHIC

Sections

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F G H I J K L M N O P Q R S T U V W X Y Z

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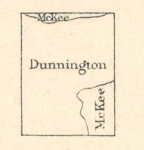
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Henry Gannett, Chief Geographer.
A. H. Thompson, Geographer in charge.
Triangulation by H. M. Wilson.
Topography by A. F. Dunnington and R. H. McKee.
Surveyed in 1888.



Scale 125,000
0 1 2 3 4 5 6 Miles
Contour Interval 100 Feet
Edition of Mar. 1894.

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

(Sacramento)

(San Francisco)