

EXPLANATION

Recent

Qal Alluvium
Deposits in present stream valleys and bench gravels

Miocene (E)

Tg Gravel deposits
Poorly sorted clay, sand and gravel on upland surface above 1900 feet. Some of coarser material partly decomposed

Miocene

UNCONFORMITY

Tm Upper Miocene beds
Soft, friable shale and siltstone

INTRUSIVE ROCKS

rp Albite rhyolite porphyry dikes

qd Quartz diorite
Granitoid light-colored rocks, containing visible quartz

hd Hornblende diorite
Medium- to coarse-grained rock. The proportion of light to dark minerals varies widely from place to place

gb Gabbro and related rocks
Gray, medium-grained rocks. Composition ranges between wide limits and grades into hornblende diorite

sp Serpentine
Completely serpentinized peridotite sheared into small blocks and aggregations of curved or bellied shiny translucent yellow, green, or black plates

pd Periodotite undifferentiated
Green medium-grained rocks consisting of olivine with or without other mafic minerals. Weathers red. In places largely altered to serpentine but not crushed

we Wehrlite
Dark coarse-grained rock consisting of olivine and diorite

Upper Jurassic

Jgs, Jgv, Jgt, Jga, Jgl Galice formation
Jgs, dark-gray to black fine-grained thinly layered rocks generally with stony cleavage, a few thin sandstone beds and some thin layers of grit; Jgv, medium-grained, massive, thick-bedded sandstone; Jgt, large thicknesses of andesitic flows, tuffs, and breccias; Jgt, predominantly flows, in places special phases of volcanic rocks are mapped separately or are indicated without boundaries by letters symbols; Jgt, predominantly tuffs; Jga, agglomerate; Jgl, limestone

Jd Dothan formation
Massive sandstone and thin layers of black or dark-gray slate; also some interlayered basalt flows

JURASSIC OR CRETACEOUS

Landslide

Highly sheared rock

Contact, showing dip
Dashed where approximately located

Indefinite contact
Includes gradational and inferred contacts

Fault, showing dip
Dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side

Trace of axial plane of anticline

Trace of axial plane of syncline

Axis of overturned anticline

Vertical plunging fold

Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

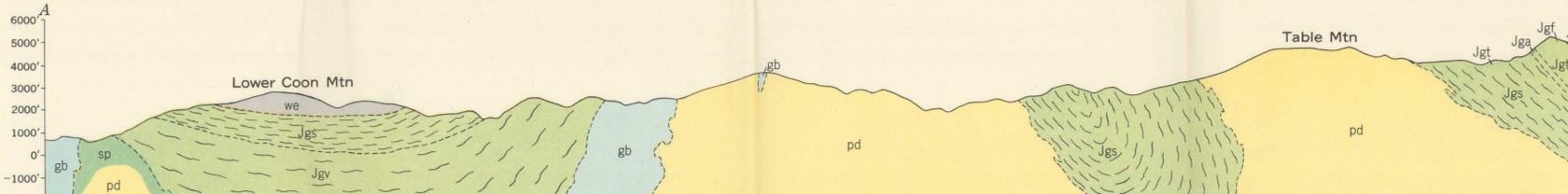
Strike and dip of joints

Lode mine or prospect

Placer mine

Base from map of the Gasquet quadrangle, California prepared by the U. S. Army Map Service

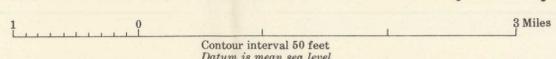
Geology by F. W. Cater, Jr. and F. G. Wells



MINES AND PROSPECTS

CHROMITE		CHROMITE	
Cr 2. Pine Flat Chromite	47. Sunrise	Hg 4. Big Boy	GOLD
5. Richey	48. Grumpy	11. Continental	
6. Logan	49. Gilmore	12. Name unknown	
7. Tangarene	52. Bluebird	13. Name unknown	
8. Toujour Gai		14. Blue Rock	
9. Holiday group		15. Name unknown	
17. Chrome Hill No. 1		16. Name unknown	
18. Bonanza		28. Morrell Placer	
19. High Plateau		29. French Hill Placer	
20. Judy		30. French Hill Placer	
21. Skyline		31. Name unknown	
22. Angela		32. Name unknown	
23. Black Jack		35. Name unknown	
24. Niggerhead			
25. Fairview			
26. Margy			
27. French Hill Chrome Mine			
33. Hawkins			
34. Fourth of July			
36. Coon Mountain group			
37. Coon Creek No. 1			
38. Coocan			
39. Big Dipper			
40. Patterson			
41. Thursday Evening			
42. Apex			
43. Sunset			
44. Zinc Saddle			
46. Camp 8			

GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE GASQUET QUADRANGLE, CALIFORNIA



Contour interval 50 feet
Datum is mean sea level

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.