

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

U.S. GEOLOGICAL SURVEY OPEN FILE MAP

75-394

ORTIGALITA PEAK QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



- Qg**
Qa
Surficial sediments
Qg-stream gravel and sand
Qa-alluvium
- Qls**
Landslide rubble
—UNCONFORMITY—
- Qoa**
Older alluvium
—UNCONFORMITY—
- QTl/QTt**
QTC
Tulare Formation
QTl-white marl and clay
QTt-terrestrial gravel
QTC-terrestrial clay and sand
—UNCONFORMITY—
- Tol**
Toc
Oro Loma Formation of Briggs, 1953
Tol-terrestrial gray to red gravel
Toc-gravel, sand, silt and basal white marly (caliche?) beds
—UNCONFORMITY—
- Tki**
Tk
Kreyenhagen Shale
Tki—semi-siliceous to argillaceous shale
Tk—argillaceous shale
- Td**
Domengine Sandstone
(Tesio? fm. of Briggs, 1953; marine, friable, buff, med. to coarse, loc. pebbly)
—DISCONFORMITY?—
- Tls**
Laguna Seca Sandst. of Briggs, 1953
(marine buff, silty to fine ground minor siltst.)
- Km**
Kms
Moreno Shale
(marine; uppermost Cretac., possibly in part Paleoc.)
Km—gray clay shale
Kms—semi-siliceous shale (Marco Shale Member of Payne, 1960)
Kms—sandstone
- Kp** **Kps** **Kpc**
Panoche Formation
(marine miogeosynclinal sedimentary rocks)
Kp—micaceous shale, minor thin sandst. beds
Kps—buff arkosic sandst. with large concretions, minor interbedded shale
Kpc—cobble conglomerate, minor sandstone
—FAULT CONTACT—
- gs**
Greenstone
(altered from basalt)
- gd** **sp**
Gabbro-diorite Serpentine
- fs** **g** **fgg**
fg **fgc**
—FAULT? CONTACT—
Franciscan rocks
(marine eugeosynclinal sedimentary and mafic igneous rocks, weakly metamorphosed, pervasively sheared)
fg—diabase and gabbro sills
fg—greenstone (metamorphosed from basalt flows)
fgg—greenstone (including glaucophane blueschist)
fs—graywacke sandstone (dark gray, hard; includes interbedded micaceous siltstone and shale)
g—chert bed (green, red, white, quartz-veined)
fgc—conglomerate of chert cobbles
gl—glaucophane blueschist (includes actinolite and hornblende schists)

Contact
Querried where gradational or approximately located

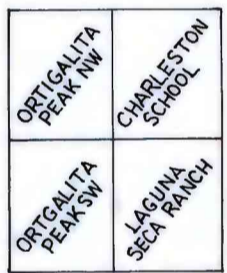
Fault
Dashed where doubtful
Dotted where concealed
U, Upthrown side
D, Downthrown side

Arrows indicate horizontal movement
Single arrow indicates dip of fault plane
anticline syncline

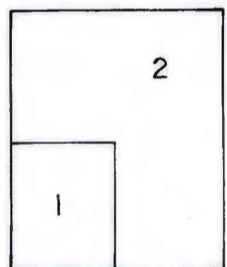
Axis of fold, showing direction of plunge

shear zone
sandstone bed
chert bed

strike and dip of bedding
strike of vertical bedding
strike and dip of overturned bedding
quarry fossil locality



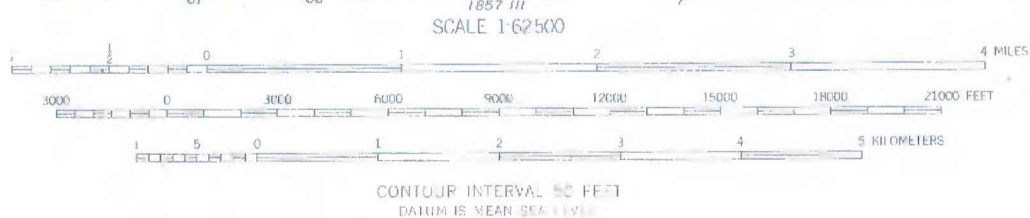
INDEX TO 7 1/2 MINUTE QUADRANGLE BASE MAPS



INDEX TO SOURCE OF GEOLOGY
1. J. H. Dillon and T. W. Dibblee Jr, 1972
2. T. W. Dibblee Jr, 1972-1975
Quadr. originally mapped by Briggs, 1953

References:
Briggs, L. I. Jr., 1953, Geol. of the Ortigalita Peak Quadr., Calif. Calif. Div. Mines Bull. 167, p. 61, 2 pls.
Payne, M. B., 1953, Type Moreno Fm., Fresno and Merced Counties, Calif., Calif. Div. Mines Spec. rept. 9

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by plane-table surveys 1919-20 and 1940-41
Contours derived from aerial photographs taken 1949, 1950 and 1953. Field checks and partial contour revision 1956
Polyconic projection, 1927 North American datum
15,000-foot grid based on California coordinate system, zones 3 and 4
1983-meter UTM metric Transverse Mercator grid ticks, zone 10, shown in blue
Northward system of this map lies within a subsidence area



ROAD CLASSIFICATION
Medium-duty Light-duty
Unimproved dirt

The east half of this area was covered by 1:24,000 scale maps of Charleston School and Laguna Seca Ranch 7.5 minute quadrangles, surveyed in 1956
ORTIGALITA PEAK, CALIF.
N3645—W12045/15
1956

COMPILED BY T.W. DIBBLEE JR, 1975

GEOLOGIC MAP OF THE ORTIGALITA PEAK 15 MINUTE QUADRANGLE, CALIFORNIA

Mapped by T. W. Dibblee Jr.
and J. H. Dillon
Drafted by G. J. Edmonston

4-AUGUST 1975

Pleistocene & Holocene
Pleistocene
Pliocene
Eocene
Paleocene
Upper CRETACEOUS
JURASSIC AND/OR CRETACEOUS