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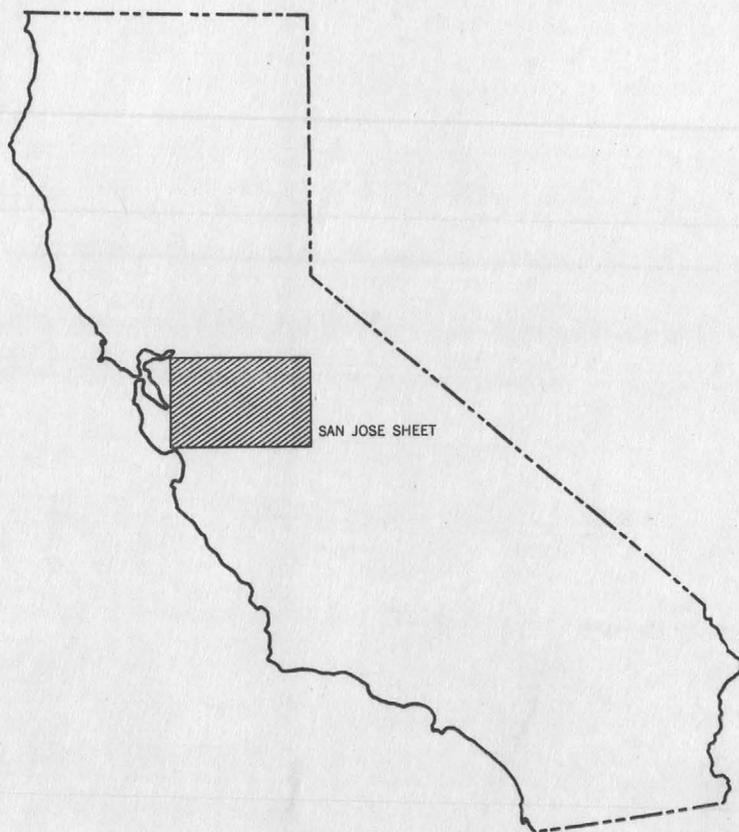
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THE RESOURCES AGENCY  
HUGO FISHER, *Administrator*  
DEPARTMENT OF CONSERVATION  
DEWITT NELSON, *Director*

# GEOLOGIC MAP OF CALIFORNIA SAN JOSE SHEET

Scale 1:250,000

1966

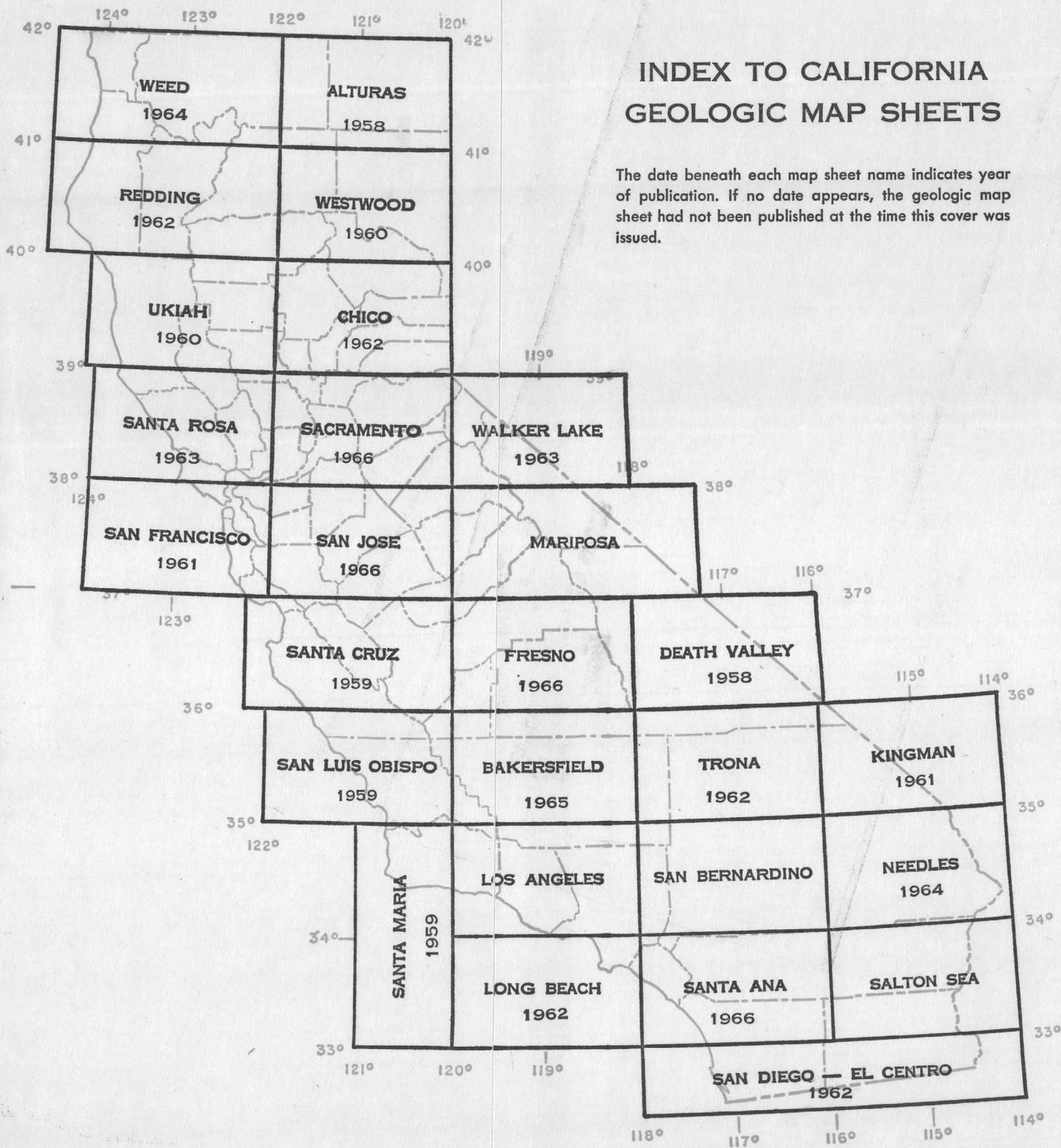


DIVISION OF MINES AND GEOLOGY  
IAN CAMPBELL, *State Geologist*  
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# INDEX TO CALIFORNIA GEOLOGIC MAP SHEETS

The date beneath each map sheet name indicates year of publication. If no date appears, the geologic map sheet had not been published at the time this cover was issued.



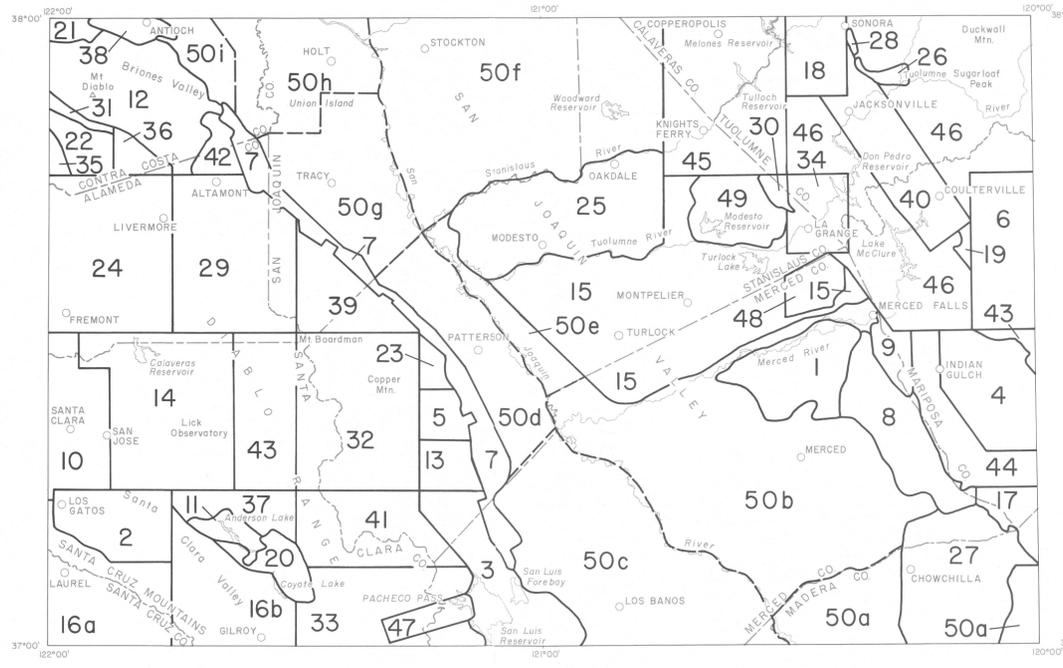
TOPOGRAPHIC QUADRANGLES  
WITHIN THE SAN JOSE SHEET  
AVAILABLE FROM THE U.S. GEOLOGICAL SURVEY  
FEDERAL CENTER, DENVER, COLORADO 80225  
1966

CLAYTON	ANTUCCO SOUTH	BREYWOOD	WOODWARD ISLAND	HOLT	STOCKTON WEST	STOCKTON EAST	PETERS	FARMINGTON	BECHLOP VALLEY	COPPEROPOLIS	MELONES DAM	SONORA	STANDARD	TUOLUMNE	DUMWALL MTN
MT DIABLO	BYRON	STOCKTON	MANTECA	FARMINGTON	BECHLOP VALLEY	COPPEROPOLIS	SONORA	TUOLUMNE	DUMWALL MTN						
DIABLO	TASSAHARA	BYRON HOT SPRINGS	BETHANY	UNION ISLAND	LATHROP	MANTECA	AVENA	ESCALON	SARDALE	KNIGHTS FERRY	KEYSTONE	CHINESE CAMP	MCCASIN	GROVELAND	JANBOYE RIDGE
DUBLIN	LIVERMORE	ALTIMONT	MIDWAY	TRACY	VERNALIS	RIPON	SALIDA	RIVERBANK	WATERFORD	PAULSELL	COOPERSTOWN	L.A. GRANGE	BENON BAY PEAK	COULTERVILLE	BUCKHORN PEAK
LIVERMORE	ALTIMONT	CARBONA	MODESTO WEST	MODESTO EAST	MERCED FALLS	COULTERVILLE									
NILES	LA COSTA VALLEY	MORROW HILLS	CEGAR MTN	LONG TREE CREEK	SOLYO	WESTLEY	BRUSH LAKE	CERES	DENAIR	MONTPELLIER	TURLOCK LAKE	SPELLING	MERCED FALLS	HORRITOS	BEAR VALLEY
MILPITAS	CALAVAS RESERVOIR	MT DAY	ELIAR MTN	MT BOARDMAN	COPPER MTN	PATTERSON	CHOWS LAKE	HATCH	TURLOCK	CRESSKEY	WINTON	TORENTE LAKE	HAYSTACK MTN	INDIAN GULCH	GITHYS VALLEY
SAN JOSE WEST	SAN JOSE EAST	LICK OBSERVATORY	ISABEL VALLEY	MT STAVES	WILCOX RIDGE	ORESTIMBA PEAK	NEWMAN	GUSTINE	STEVENSON	ARENA	ATWATER	MERCED	FLANADA	OWENS RESERVOIR	ILLINOIS HILL
LOS GATOS	SANTA TERESA HILLS	MORGAN HILL	MT STEER	MIDMISSISSIPPI CREEK	MUSTANG PEAK	GREYSON PEAK	HOWARD RANCH	INGOMAN	SAN LUIS RANCH	TURNER RANCH	SANDY CREEK	EL NUDO	PLAINSBURG	LE GRAND	RAINBORW CREEK
LOS GATOS	MORGAN HILL	GILROY	HOT SPRINGS	PACHECO PASS	PACHECO PASS	SAN LUIS CREEK	VOLTA	LOS BANOS	SANTA RITA PARK	CHOWCHILLA	LE GRAND	KISMET			
LAUREL	LOMA PRIETA	MT MADONNA	GILROY	GILROY HOT SPRINGS	PACHECO PASS	PACHECO PASS	SAN LUIS CREEK	VOLTA	LOS BANOS	SANTA RITA PARK	CHOWCHILLA	LE GRAND	KISMET		



View southwest along the sinuous flat-topped Tuolumne Table Mountain. This mountain can be traced for more than 40 miles across the Mother Lode gold belt, gradually descending through the Sierra Nevada foothills at a gentle slope of approximately one degree.  
The mountain is capped by ancient lava (approximately 10 million years old) which erupted from volcanoes then existing high in the Sierra Nevada. The lava flowed southwestward down a meandering river channel carved in soft sand and gravel. Erosion since that event has removed the surrounding soft sediments, leaving the relatively resistant lava standing high above the present landscape.  
Photo by John S. Shelton.

INDEX TO GEOLOGIC MAPPING  
USED IN THE COMPILATION OF THE SAN JOSE SHEET



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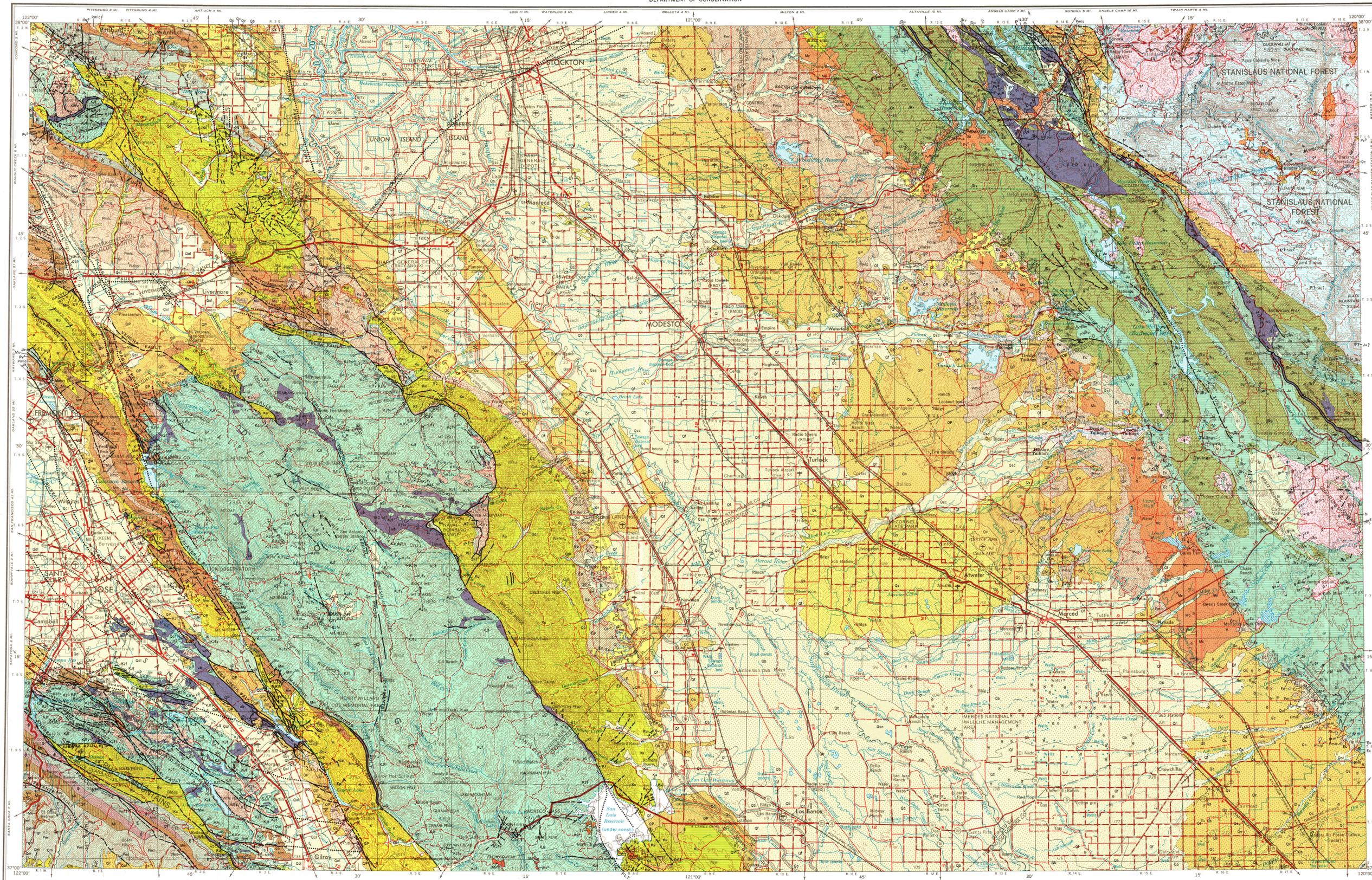
+ Local additions or modifications by T. H. Rogers, California Division of Mines and Geology reconnaissance geologic mapping for the State Geologic Map, 1965, 1966.

\* Fault additions and local modifications by L. D. Clark, 1964. Stratigraphy and structure of part of Western Sierra Nevada metamorphic belt: U. S. Geol. Survey Prof. Paper 410, Pl. 1, 5, and 6.

+ Aerial photo fault (?) Innamens in Diablo Range southeast of Livermore Valley interpreted by California Division of Mines and Geology, 1966, from Aero Service Corp. aerial mosaic of the central Coast Ranges, 1954, scale 1:120,000.

For a complete list of published geologic maps of this area see Division of Mines and Geology Special Reports 52 and 52-A.



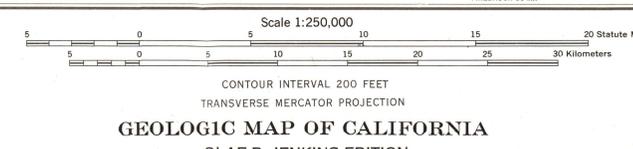


SEDIMENTARY AND METASEDIMENTARY ROCKS		IGNEOUS AND META-IGNEOUS ROCKS	
Qs	Dune sand	Qv	Recent volcanic: Qv <sup>1</sup> - rhyolite; Qv <sup>2</sup> - andesite; Qv <sup>3</sup> - basalt; Qv <sup>4</sup> - pyroclastic rocks
Qa	Alluvium		
Qsc	Stream channel deposits		
Qf	Fan deposits		
Qb	Basin deposits		
Qm	Salt deposits		
Ql	Quaternary lake deposits		
Qn	Glacial deposits		
Qq	Quaternary nonmarine terrace deposits		
Qp	Pleistocene marine and marine terrace deposits		
Qc	Pleistocene nonmarine		
Qp	Plio-Pleistocene nonmarine		
Qn	Undivided Pliocene nonmarine		
Qm	Upper Pliocene nonmarine		
Qp	Upper Pliocene marine		
Qm	Middle and/or lower Pliocene nonmarine		
Qp	Middle and/or lower Pliocene marine		
Qn	Undivided Miocene nonmarine		
Qm	Upper Miocene nonmarine		
Qp	Upper Miocene marine		
Qm	Middle Miocene nonmarine		
Qm	Middle Miocene marine		
Qm	Lower Miocene marine		
Qn	Oligocene nonmarine		
Qm	Oligocene marine		
Qn	Eocene nonmarine		
Qm	Eocene marine		
Qn	Paleocene nonmarine		
Qm	Paleocene marine		
Qn	Cenozoic nonmarine		
Qm	Tertiary nonmarine		
Ql	Tertiary lake deposits		
Qm	Tertiary marine		
Qn	Undivided Cretaceous marine		
Qm	Upper Cretaceous marine		
Qn	Lower Cretaceous marine		
Qn	Knoville Formation		
Qm	Upper Jurassic marine		
Qn	Middle and/or Lower Jurassic marine		
Qn	Triassic marine		
Qm	Pre-Cretaceous metamorphic rocks (ls = limestone or dolomite)		
Qn	Pre-Cretaceous metasedimentary rocks		
Qm	Paleozoic marine (ls = limestone or dolomite)		
Qn	Permian marine		
Qn	Undivided Carboniferous marine		
Qn	Pennsylvanian marine		
Qn	Mississippian marine		
Qn	Devonian marine		
Qn	Silurian marine		
Qn	Pre-Silurian meta-sedimentary rocks		
Qn	Ordovician marine		
Qn	Cambrian marine		
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Qn	Mesozoic granitic rocks: g <sup>1</sup> - granite and andesite; g <sup>2</sup> - granodiorite; g <sup>3</sup> - tonalite and diorite		
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Qn	Mesozoic ultrabasic intrusive rocks		
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Qn	Devonian metamorphic rocks		
Qn	Devonian and pre-Devonian? metamorphic rocks		
Qn	Pre-Silurian metamorphic rocks		
Qn	Pre-Silurian metamorphic rocks		
Qn	Pre-Silurian metamorphic rocks		
Qn	Cambrian - Precambrian marine		
Qn	Precambrian igneous and metamorphic rock complex		
Qn	Undivided Precambrian metamorphic rocks		
Qn	Later Precambrian sedimentary and metamorphic rocks		
Qn	Earlier Precambrian metamorphic rocks		
Qn	Undivided Precambrian granitic rocks		

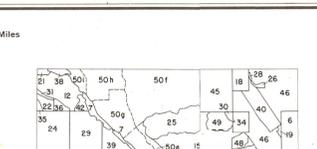
TOPOGRAPHIC BASE MAP  
Prepared by the Army Map Service (KCI), Corps of Engineers, U. S. Army, Washington, D.C. Compiled in 1962 by photogrammetric methods and from United States Quadrangles, 1:24,000, 1:25,000, 1:62,500, U.S. Geological Survey and AMS, 1942-61. Planimetric detail revised by photo-planimetric methods. Horizontal and vertical control by USGS, USC&GS, CE, Alameda County, California State Land Commission, and State of California. Map field checked in 1962. Minor corrections and additions to culture by California Division of Mines and Geology, 1966. Land not prepared by U.S. Geological Survey

Contact  
(Dashed where approximately located, gradational or inferred)

Fault  
(Dashed where approximately located, dotted where concealed)



GEOLOGIC MAP OF CALIFORNIA  
OLAF P. JENKINS SHEET  
SAN JOSE SHEET  
COMPILATION BY THOMAS H. ROGERS, 1966.



INDEX TO GEOLOGIC MAPPING (COMPLETE INDEX ON EXPLANATORY SHEET)

1. Anley, R. J., 1962.
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HEAVY BORDER ON BOXES INDICATES UNITS THAT APPEAR ON THIS SHEET