

SOUTHERN CALIFORNIA ALLUVIAL BASINS

REGIONAL AQUIFER-SYSTEMS ANALYSIS:

A BIBLIOGRAPHY

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CONVERSION FACTORS

The inch-pound system of units is used in this report. For readers who prefer the International System of Units (SI), the conversion factors for the terms used are as follows:

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
miles	1.609	kilometers
square miles (mi ²)	2.590	square kilometers

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ABSTRACT

This report provides a bibliography for the Southern California Alluvial Basins Regional Aquifer-Systems Analysis project. The bibliography includes references for about 4,000 publications related to the geohydrology of the 75,000-square-mile region, which encompasses all southern California (except the Central Valley), the Channel Islands and the Pacific Ocean floor off southern California, and parts of adjacent States and Mexico. The report indexes the publications in six geographic categories and includes a list of sources of publications.

Because of the large number of references in the bibliography, a system was developed for computer storage and retrieval. References can be retrieved by geographic location, author, or geohydrologic discipline and subject. The computer system allows for updating and addition of references.

INTRODUCTION

The Southern California Alluvial Basins RASA (Regional Aquifer-Systems Analysis) is one of many planned or ongoing national RASA studies of the U.S. Geological Survey. The objectives of the Southern California Alluvial Basins RASA are (1) to determine the geohydrologic framework of the coastal and desert alluvial basins in southern California excluding the Central Valley and (2) to identify and analyze major issues and problems affecting the use of ground water in these basins.

The study area for the Southern California Alluvial Basins RASA includes about 75,000 mi² and extends from Santa Clara and Mono Counties on the north to the California-Mexico boundary on the south (fig. 1). Parts of western Nevada and western Arizona are included on the east, and the Channel Islands and part of the offshore area of southern California on the west. The study area is about 400 miles long and as much as 225 miles wide. The geology and hydrology of the area are as diverse as anywhere in the world.

Surface water is scarce or seasonal throughout most of the Southern California Alluvial Basins RASA study area. Because of the lack of adequate local surface-water supplies, ground water is an important and extensively used resource. A multitude of maps and reports have been produced pertaining to the geohydrology of southern California, but no comprehensive bibliography has been published. This report presents a bibliography of about 4,000 references organized by geographic location for use in the Southern California Alluvial Basins RASA.

Included in this bibliography are reports of Federal, State, and local agencies; academic institutions; and private firms. The coverage of Federal and State publications is extensive; the coverage of reports by local agencies, academic institutions, and private firms is not exhaustive for all areas. Selected journal articles also are included. Publications cited in this bibliography may be borrowed or purchased at one or more of the universities, colleges, libraries, and government agencies mentioned in the "Sources of Publications" section.

Because of the large number of references in the bibliography, a system was developed for computer storage and retrieval. References may be retrieved from the system according to geographic category, author, or geohydrologic discipline and subject. References may also be added and updated in the system. The geohydrologic disciplines and subjects used in the bibliography are shown in table 1.

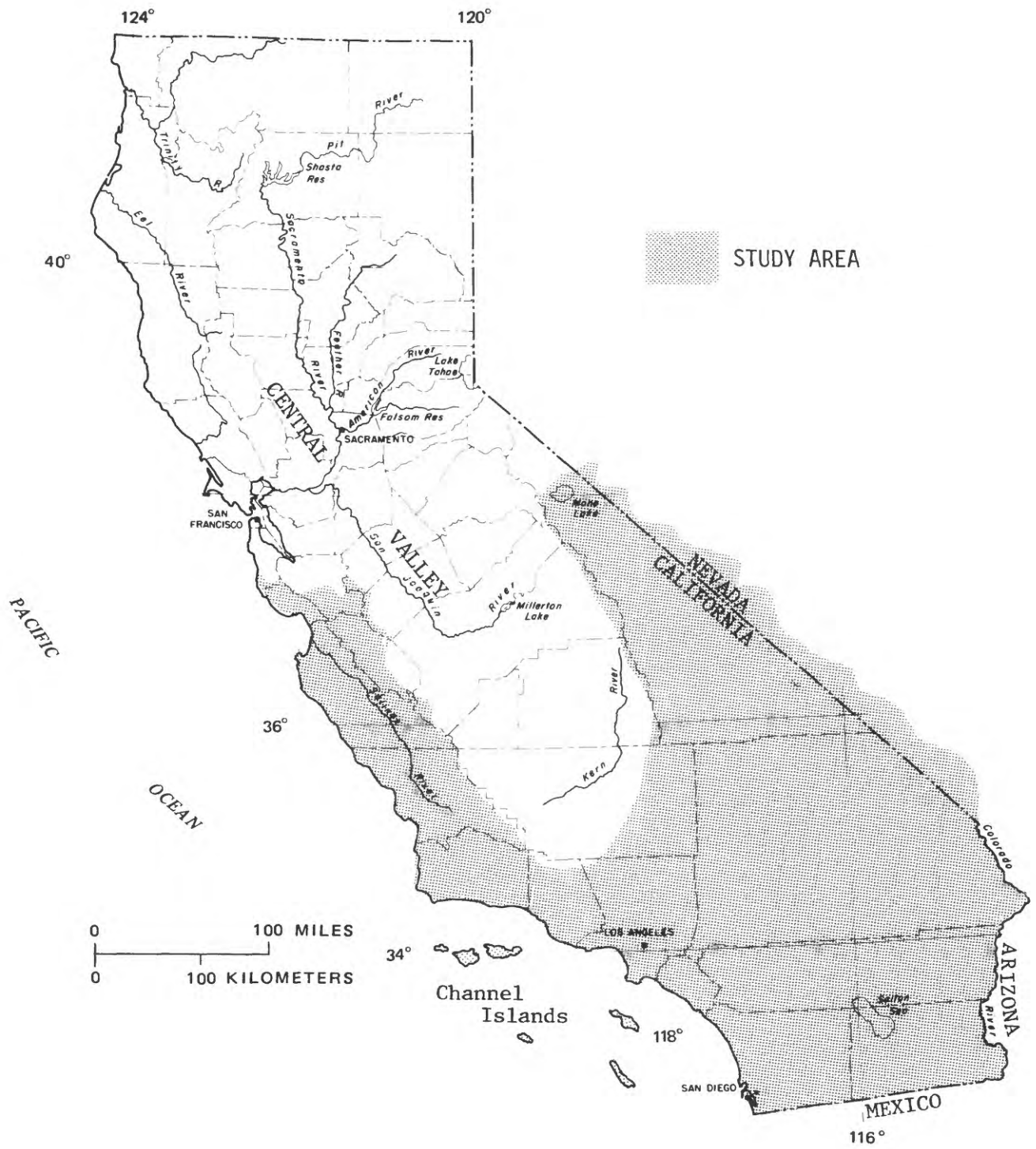


FIGURE 1.-Location of the study area.

ORGANIZATION OF THE BIBLIOGRAPHY

The bibliography presented in this report is organized into six geographical categories. The categories are ordered from most detailed to most general as follows:

1. 15-minute topographic quadrangles
2. Map sheets
3. Military reservations and national monuments
4. Counties
5. Southern California and offshore
6. Arizona, California, Mexico, and Nevada.

For example, a report cited in category 1 contains highly detailed information on a specific locality, whereas a report cited in category 6 contains general information on one of the States included in the study or on Mexico. Citations within each category and subdivision are alphabetized by senior author.

15-Minute Topographic Quadrangle Maps

The first category of references in the bibliography is based on the series of 15-minute topographic quadrangle maps prepared by the U.S. Geological Survey. References compiled for each quadrangle include reports and maps that pertain almost entirely to that particular quadrangle. Because they cover small areas, the reports and maps referenced in this category are usually more detailed studies than the reports and maps referenced in other categories of the bibliography.

The 15-minute quadrangles have been assigned a 4-digit index number using a grid system devised for this report (pl. 1), and in the bibliography the quadrangles have been serialized according to this system. The 15-minute quadrangle map index numbers and their corresponding 15-minute quadrangle map names and associated 7½-minute quadrangle map names are shown in table 2.

The four-digit identification number for each 15-minute quadrangle can be derived from plate 1 as follows. The first two digits refer to row numbers, which are on the left and right edges of the map. The rows are numbered from bottom to top. The second two digits refer to column numbers, which are on the top and bottom of the map. The numbering of the columns is from right to left. For example, the identification number for the San Bernardino 15-minute quadrangle is 0714, because the San Bernardino quadrangle is in row 07 and column 14 of the map grid.

Map Sheets

The second category of references in the bibliography is based on the system of map sheets (scale 1:250,000) published by the U.S. Geological Survey (pl. 1). Most of the map sheets cover 1 degree of longitude by 2 degrees of latitude. The index map for the map sheets is in the lower left corner of

plate 1. The name of each map sheet is included on the index map. In the bibliography, the map sheets are listed in alphabetical order, and the references compiled for each map sheet are alphabetized by senior author.

Military Reservations and National Monuments

The third category of the bibliography consists of references for selected military reservations and national monuments in southern California. Four military reservations and two national monuments were included in the bibliography. The index map for this (and the following) category is on the left side of plate 1 above the map-sheets index map. The military reservations and national monuments are listed in alphabetical order in the bibliography, and the references are alphabetized by senior author within each subdivision. The references compiled within this category include reports and maps that pertain almost entirely to the selected military reservation or national monument.

Counties

The fourth category of references in the bibliography is based on county boundaries in the study area. Included in the bibliography are 16 counties. The index map for the counties is on the left side of plate 1, above the index of map sheets. The counties are listed in alphabetical order for each State included in the bibliography, and the references for each county are alphabetized by senior author.

Southern California and Offshore

The fifth category of the bibliography includes references for the RASA study area in general or for large, indeterminate parts of the study area. The category is subdivided into (1) southern California and (2) offshore. This category of references includes maps and reports that usually cover large areas and often refer to more than one county or map sheet. The references are listed in alphabetical order by senior author under the appropriate subdivision.

Arizona, California, Mexico, and Nevada

The sixth and final category of the bibliography consists of references to statewide studies and studies pertaining to Mexico. Because these reports cover large areas, they are usually more general than those in the other categories. The references are alphabetized by senior author under the appropriate State or country.

USE OF THE BIBLIOGRAPHY

The bibliography presented in this report can easily be used by systematically checking the references in the applicable subdivisions of all six categories of the bibliography. The following is a step-by-step example of a bibliographic search for the Santa Ynez River valley.

Step 1. Inspect the index to 15-minute topographic quadrangles (pl. 1) to determine the identification numbers of 15-minute quadrangle maps that cover that area. The identification numbers of the quadrangle maps of interest are 0924, 0925, 0926, and 0927. The names of these 15-minute quadrangle maps and associated 7½-minute quadrangle maps are shown on table 2. Use the selected identification numbers to determine the references in category 1.

Step 2. Inspect the index to map sheets (pl. 1, lower left corner) to determine which map sheet (or sheets) covers the area of interest. For this example the Santa Maria map sheet would be appropriate. Look at the Santa Maria map sheet references in category 2 to find the references pertaining to the Santa Ynez River valley.

Step 3. Check for military reservations or national monuments in the study area (pl. 1, left side). In this example, the Vandenberg Air Force Base occupies part of the study area. Select the references pertaining to the Santa Ynez River valley from the Vandenberg Air Force Base references in category 3.

Step 4. Find the study area on the county index map (pl. 1) to determine the relevant counties. The Santa Ynez River valley is in Santa Barbara County. Check the Santa Barbara County references in category 4 to find the references pertaining to the Santa Ynez River valley.

Step 5. Check the southern California and offshore references (category 5). The Santa Ynez River drains into the Pacific Ocean; therefore, check both the southern California and offshore references.

Step 6. Check the references for Arizona, California, Mexico, and Nevada (category 6). Inasmuch as the Santa Ynez River valley is not adjacent to a State boundary, probably only the references pertaining to California are relevant.

By following this procedure one can develop a complete set of references from this bibliography for a particular study area in southern California.

SOURCES OF PUBLICATIONS

Many U.S. Geological Survey Water-Resources Investigations Reports and Open-File Reports may be purchased from the following outlet:

Open-File Services Section
Western Distribution Branch
U.S. Geological Survey
Box 25425, Federal Center
Denver, Colorado 80225.

Publications cited in this bibliography may be borrowed or purchased at one or more of the following universities, colleges, libraries, or government agencies in California:

California State University, Humboldt
Library, Documents Department
ARCATA, CA 95521

Beale Branch
Kern County Library
G-M-P Librarian
1315 Truxtun Ave.
BAKERSFIELD, CA 93301

University of California
General Library
Documents Department
BERKELEY, CA 94720

Water Resources Center Archives
Room 40, North Gate Hall
University of California
BERKELEY, CA 94720

California State University
Library
Government Publications
CHICO, CA 95926

Honnold Library for the
Claremont Colleges
Government Publications Section
CLAREMONT, CA 91711

Culver City Library
Government Publications Section
4975 Overland
CULVER CITY, CA 92030

University of California Library
Documents Department
DAVIS, CA 95616

California State University
Library
Government Publications Department
FRESNO, CA 93710

Fresno County Free Library
Government Publications Section
2420 Mariposa St.
FRESNO, CA 93721

California State University
Library, Documents Section
P.O. Box 4150
FULLERTON, CA 92634

California State University
Map Room
Division of Libraries
HAYWARD, CA 94542

University of California Library
Government Publications Department
IRVINE, CA 92664

University of California Library
Serials Department
LA JOLLA, CA 92037

California Division of Oil and Gas
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LONG BEACH, CA 90802

California Division of Mines and
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LOS ANGELES, CA 90012

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California State University
5151 State College Dr.
LOS ANGELES, CA 90032

Los Angeles Public Library
Serials Division
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Occidental College Library
Government Publications Section
LOS ANGELES, CA 90041

University of California Library
Public Affairs Service/U.S. Documents
405 Hilgard Ave.
LOS ANGELES, CA 90024

University of Southern California
Library
Government Documents Section
P.O. Box 77983
LOS ANGELES, CA 90007

U.S. Geological Survey
Public Inquiries Office
300 N. Los Angeles St., Rm. 7638
LOS ANGELES, CA 90012

U.S. Government Printing Office
GPO Bookstore
505 South Flower Street
LOS ANGELES, CA 90017

Water Resources Center Archives
2081 Engineering I
University of California
LOS ANGELES, CA 90024

U.S. Geological Survey Library
345 Middlefield Road
Mail Stop 955
MENLO PARK, CA 94025

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NORTHRIDGE, CA 91324

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Sonoma State College Library
Documents Department
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ROHNERT PARK, CA 94928

California Department of Water
Resources
P.O. Box 388
SACRAMENTO, CA 95802

California Resources Agency Library
1416 Ninth St., Room 117
SACRAMENTO, CA 95814

California State Library
Government Publications Section
P.O. Box 2037
SACRAMENTO, CA 95809

California State University
Library, Documents Section
6000 J St.
SACRAMENTO, CA 95819

Sacramento City-County Library
Reference Department
Ninth and I Sts.
SACRAMENTO, CA 95814

U.S. Geological Survey, WRD
2800 Cottage Way, Rm. W-2234
SACRAMENTO, CA 95825

San Bernardino County Library
Government Publications Section
104 West Fourth St.
SAN BERNARDINO, CA 92415

California State University
Documents Library
Malcome A. Love Library
SAN DIEGO, CA 92115

San Diego Public Library
Science and Industry Department
820 E St.
SAN DIEGO, CA 92101

U.S. Geological Survey, WRD
Suite F, COC Annex
5201 Ruffin Road
SAN DIEGO, CA 92123

California Academy of Sciences
Library, Golden Gate Park
SAN FRANCISCO, CA 94118

California Division of Mines and
Geology
Library and Map Room
Ferry Bldg.
SAN FRANCISCO, CA 94111

California State University
Social Science, Business, and Ethnic
Studies Libraries
Government Publications Collection
1530 Holloway Ave.
SAN FRANCISCO, CA 94132

San Francisco Public Library
Government Documents Department
Civic Center
SAN FRANCISCO, CA 94102

U.S. Environmental Protection Agency
Library
100 California St.
SAN FRANCISCO, CA 94111

U.S. Geological Survey
Public Inquiries Office
504 Custom House
555 Battery St.
SAN FRANCISCO, CA 94111

U.S. Government Printing Office
GPO Bookstore
Room 1023
450 Golden Gate Ave.
SAN FRANCISCO, CA 94102

California Polytechnic State
University Library
Documents Section
SAN LUIS OBISPO, CA 93401

Santa Barbara Museum of Natural
History
Librarian
2559 Puesta Del Sol Rd.
SANTA BARBARA, CA 93102

University of California Library
Government Publications Department
SANTA BARBARA, CA 93105

University of California Library
Government Publications Department
SANTA BARBARA, CA 93105

Michael Orradre Library
Map Collection
University of Santa Clara
SANTA CLARA, CA 95053

University of California Library
Documents Section
SANTA CRUZ, CA 95060

San Joaquin Delta College Library
Government Publications Section
3301 Kensington Way
STOCKTON, CA 94204

Stockton Free Public Library
Government Publications Section
605 North El Dorado St.
STOCKTON, CA 95202

University of Pacific Library
Government Publications Section
STOCKTON, CA 95204

Stanislaus State University Library
U.S. Documents Section
800 Monte Vista Ave.
TURLOCK, CA 95380

Table 1.--Geohydrologic disciplines and subjects used
in the bibliography for the Southern California Alluvial
Basins Regional Aquifer-Systems Analysis

Subjects for Water-Resources Discipline

Appraisal	Quality, biological
Area codes	Quality, chemical
Balance, water	Quality, pesticide
Bibliography	Quality, salt balance
Data	Quality, temperature
Drought	Quality, trace elements
Earthquake	Radioactivity
Evaporation	Remote sensing
Evapotranspiration	Reports scheduling process
Exhibit	Safety
General	Saline water
Geochemistry	Storage
Geohydrology	Techniques
Geothermal	Techniques, instrumentation
Imported water	Urbanization
Inventory	Use
Law	Waste disposal
Model	Wastewater
Pollution	Water plans
Precipitation	Water rights
Pumpage	Water supply

Subjects for Surface-Water Discipline

Availability	Pollution
Bibliography	Power
Channel capacity	Precipitation
Circulation	Quality, biological
Culvert flow	Quality, chemical
Dams	Quality, sediment
Data	Quality, temperature
Dispersion	Quality, trace elements
Drainage	Runoff
Estuaries	Safety
Evaporation	Saline water
Exportation	Sea level
Floods	Snow investigations, snowmelt
Flood frequency	Storage
General	Streams
Geochemistry	Streamflow
Geology	Techniques
Geomorphology	Techniques, instrumentation
Glaciers	Tide
Hydraulics	Time of travel

Table 1.--Geohydrologic disciplines and subjects used
in the bibliography for the Southern California Alluvial
Basins Regional Aquifer-Systems Analysis--Continued

Subjects for Surface-Water Discipline--Continued

Index	Urbanization
Instrumentation	Use
Lakes, reservoirs	Wastewater
Model	Water supply
Morphology	Yield
Pesticides	

Subjects for Ground-Water Discipline

Appraisal	Pumping test
Availability	Pumpage
Barriers	Quality, chemical
Bibliography	Radioactivity
Contamination	Recharge
Data	Research
Earthquake	Saline water
Evapotranspiration	Seawater intrusion
Faults	Soil
General	Specific yield
Geochemistry	Springs
Geohydrology	Storage
Geomorphology	Storage coefficient
Geophysics, areal	Subsidence, land
Geophysical logging	Techniques
Geothermal	Techniques, instrumentation
Glossary	Transmissivity
Infiltration	Underflow
Instrumentation	Unsaturated zone
Inventory	Urbanization
Law	Use
Liquifaction	Waste disposal
Model	Wastewater
Nuclear	Water level
Outflow	Water supply
Permeability	Well data
Phreatophytes	Well drill
Potentiometric surface	Yield
Precipitation	

Table 1.--Geohydrologic disciplines and subjects used
in the bibliography for the Southern California Alluvial
Basins Regional Aquifer-Systems Analysis--Continued

Subjects for Geology Discipline

Area mapping	Ore deposits
Cross sections	Petrology
Faults	Pleistocene lakes
Fossils	Reclamation
Gas (other than petroleum)	Saline deposits
Glaciation	Structure
Heavy metals	Trace elements
Landslides	Vulcanism
Mining	Well logs
Offshore	

Subjects for Geophysical Discipline

Electrical resistivity	Magnetotellurics
Gravity	Seismic
Induced potential	Sparker traverses
Magnetics	Spontaneous potential

Subjects for Oil-Well Data Discipline

Drill-stem test	Stratigraphy
Geology	Structure
Operations summary	Subsidence
Potential	Well logs

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps

[Refer to plate 1 for index numbers and location of quadrangles]

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0103	Yuma	Yuma W, Yuma E
0104		Grays Well, Grays Well NE
0105	Midway Well	Midway Well NW, Midway Well
0106	Calexico	Calexico, Bonds Corner
0107	Heber	Mount Signal, Heber
0108	Coyote Wells	Coyote Wells, Yuha Basin
0109	Jacumba	Jacumba, In-ko-pah Gorge
0110	Campo	Cameron Corners, Live Oaks Springs, Campo, Tierra del Sol
0111	Potrero	Barrett Lake, Morena Reservoir, Tecate, Potrero
0112	Jamul	Jamul Mts., Dulzura, Otay Mesa, Otay Mtn.
0113		Point Loma ¹ , National City, Imperial Beach ¹
0202	Laguna	Imperial Reservoir, Laguna Dam
0203		Picacho Peak, Little Picacho Peak, Araz, Bard
0204	Ogilby	Cactus
0205	Glamis	Glamis NW, Glamis, Glamis SW, Glamis SE
0206		Alamorio, Holtville NE, Holtville E, Holtville W
0207		Brawley NW, Brawley, El Centro, Seeley

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0208	Plaster City	Plaster City NW, Superstition Mtn., Plaster City, Painted Gorge
0209		Arroyo Tapiado, Carrizo Mtn. NE, Carrizo Mtn., Sweeney Pass
0210	Mount Laguna	Monument Peak, Agua Caliente Springs, Sombrero Peak, Mount Laguna
0211	Cuyamaca Peak	Tule Springs, Cuyamaca Peak, Descanso, Viejas Mtn.
0212		San Vicente Reservoir, El Cajon Mtn., Alpine, El Cajon
0213		Del Mar, Poway, La Mesa, La Jolla
0218		San Clemente Island Central ² , San Clemente Island S
0219		San Clemente Island N ² , San Clemente Island Central
0303	Picacho	Picacho NW, Picacho, Picacho SW
0304	Quartz Peak	
0305	Acolita	Acolita
0306		Iris, Tortuga, Amos, Wiest
0307		Obsidian Butte, Niland, Westmoreland, Calipatria SW
0308		Kane Spring NW, Kane Spring NE, Kane Spring, Harpers Well

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0309		Borrego Mtn., Shell Reef, Borrego Mtn. SE, Harper Canyon
0310	Borrego	Tubb Canyon, Borrego Sink, Whale Peak, Earthquake Valley
0311	Santa Ysabel	Warners Ranch, Ranchita, Julian, Santa Ysabel
0312		Rodriguez Mtn., Mesa Grande, Ramona, San Pasqual
0313		San Marcos, Valley Center, Escondido, Rancho Santa Fe
0314	Oceanside	Oceanside, San Luis Rey, Encinitas
0319		San Clemente Island N ¹ 2
0322		San Nicolas Island ¹ 2
0323		San Nicolas Island ¹ 2
0403	Cibola	Palo Verde, Mule Wash, Cibola
0404	Palo Verde Mts.	
0405	Chuckwalla Spring	
0406	Iris Pass	Iris Wash
0407	Frink	Frink NW, Wister, Frink
0408		Salton, Durmid, Durmid SE, Truckhaven
0409		Rabbit Peak, Oasis, Seventeen Palms, Fonts Point

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0410	Clark Lake	Collins Valley, Clark Lake NE, Clark Lake, Borrego Palm Canyon
0411	Warner Springs	Beauty Mtn., Bucksnot Mtn., Hot Springs Mtn., Warner Springs
0412		Vail Lake, Aguanga, Palomar Observatory, Boucher Hill
0413		Temecula, Pechanga, Pala, Bonsall
0414		Margareta Peak, Fallbrook, Morro Hill, Las Pulgas Canyon
0415		Dana Point, San Clemente, San Onofre Bluff
0418		Santa Catalina N, Santa Catalina E, Santa Catalina S
0419		Santa Catalina W
0420		Santa Barbara Island ^{1 2}
0421		Santa Barbara Island ^{1 2}
0422		San Nicolas Island ^{1 2}
0423		San Nicolas Island ^{1 2}
0502		La Paz Mtn.
0503		McCoy Wash, Blythe NE, Blythe, Ripley
0504	McCoy Spring	
0505	Sidewinder Well	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0506	Chuckwalla Mts.	
0507	Hayfield	
0508	Cottonwood Spring	Orocopia Canyon, Mortimar
0509	Coachella	Indio, Thermal Canyon, Mecca, Valerie
0510	Palm Desert	Rancho Mirage, La Quinta
0511	Idyllwild	
0512	Hemet	Hemet, Sage
0513		Romoland, Winchester, Bachelor Mtn., Murrieta
0514		Alberhill, Elsinore, Wildomar, Sitton Peak
0515		El Toro, Santiago Peak, Canada Gobernadora, San Juan Capistrano
0516		Newport Beach, Tustin, Laguna Beach
0517		Seal Beach, Long Beach ^{1 2}
0518		San Pedro, Redondo Beach ^{1 2}
0520		Santa Barbara Island ^{1 2}
0521		Santa Barbara Island ^{1 2}
0602		Poston
0603	Big Maria Mts.	Big Maria Mts. NW, Big Maria Mts. NE, Big Maria Mts. SE, Big Maria Mts. SW
0604	Midland	
0605	Palen Mts.	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0606	Coxcomb Mts.	
0607	Pinto Basin	
0608	Hexie Mts.	
0609	Lost Horse Mtn.	
0610	Thousand Palms	Seven Palms Valley, Myoma, Cathedral City
0611	Palm Springs	Whitewater, Desert Hot Springs, Palm Springs
0612	Banning	Beaumont, Cabazon, Lake Fulmor, San Jacinto
0613		Sunnymead, El Casco, Lakeview, Perris
0614		Riverside W, Riverside E, Steele Peak, Lake Matthews
0615		Prado Dam, Corona N, Corona S, Black Star Canyon
0616		La Habra, Yorba Linda, Orange, Anaheim
0617		South Gate, Whittier, Los Alamitos, Long Beach ^{1 2}
0618		Venice, Inglewood, Torrance, Redondo Beach ^{1 2}
0622		Anacapa Island ^{1 2} , Santa Cruz Island D ²
0623		Santa Cruz Island B ² , Santa Cruz Island C ² , Santa Cruz Island D ²
0624		Santa Rosa Island E ² , Santa Cruz Island B ²

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0625		Santa Rosa Island W ² , Santa Rosa Island N ² , Santa Rosa Island E ² , Santa Rosa Island S
0626		San Miguel Island W ² San Miguel Island E ² , Santa Rosa Island W ²
0701	Black Peak	Cross Roads
0702		Parker NW, Parker, Parker SE, Parker SW
0703	Vidal	Vidal NW, Vidal Junction, Vidal, Grommet
0704	Rice	
0705	Iron Mts.	
0706	Cadiz Valley	
0707	Dale Lake	
0708	Valley Mtn.	Valley Mtn.
0709	Twentynine Palms	Sunfair, Twentynine Palms, Queen Mtn., Indian Cove
0710	Joshua Tree	Yucca Valley N, Joshua Tree N, Joshua Tree S
0711	Morongo Valley	Onyx Peak, Rim Rock, Morongo Valley, Catclaw Flat
0712	San Gorgonio Mtn.	Big Bear Lake, Moonridge, San Gorgonio Mtn., Forest Falls
0713	Redlands	Harrison Mtn., Keller Peak, Yucaipa, Redlands
0714	San Bernardino	Devore, San Bernardino N, San Bernardino S, Fontana

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0715	Ontario	Mount Baldy, Cucamonga Peak, Guasti, Ontario
0716		Azusa, Glendora, San Dimas, Baldwin Park
0717		Pasadena, Mount Wilson, El Monte, Los Angeles
0718		Van Nuys, Burbank, Hollywood, Beverly Hills
0719		Calabasas, Canoga Park, Topanga, Malibu Beach
0720		Newberry Park, Thousand Oaks, Point Dume, Triunfo Pass
0721		Oxnard ^{1 2} , Camarillo, Point Mugu
0722		Oxnard ² , Santa Cruz Island D ² , Anacapa Island ²
0723		Santa Cruz Island B ² , Santa Cruz Island C ² , Santa Cruz Island D ²
0724		Santa Cruz Island A ² , Santa Cruz Island B ²
0725		Santa Rosa Island W ² , Santa Rosa Island N ² , Santa Rosa Island E ²
0726		San Miguel Island W ² , San Miguel Island E ²
0801	Parker Dam	Standard Wash, Gene Wash
0802	Whipple Mts.	Havasu Lake, Lake Havasu City S, Whipple Wash, Whipple Mts. SW

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0803	Savahia Peak	Savahia Peak NW, Savahia Peak NE, Savahia Peak, Savahia Peak SW
0804	Turtle Mts.	
0805	Milligan	
0806	Cadiz Lake	
0807	Bristol Lake	Bristol Lake NW, Bristol Lake SW
0808	Lead Mtn.	Lead Mtn., Lead Mtn. NE, Cleghorn Lakes, Lead Mtn. SW
0809		Deadman Lake NW, Deadman Lake NE, Deadman Lake SE, Deadman Lake SW
0810	Emerson Lake	Emerson Lake, Hidalgo Mtn., Goat Mtn., Landers
0811	Old Woman Springs	Old Woman Springs, Melville Lake, Bighorn Canyon, Rattlesnake Canyon
0812	Lucerne Valley	Lucerne Valley, Cougar Butte, Big Bear City, Fawnskin
0813	Lake Arrowhead	Apple Valley S, Fifteen Mile Valley, Butler Peak, Lake Arrowhead
0814		Baldy Mesa, Hesperia, Silverwood Lake, Cajon
0815		Mescal Creek, Phelan, Telegraph Peak, Mount San Antonio

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0816	Valyermo	Juniper Hills, Valyermo, Crystal Lake, Waterman Mtn.
0817	Acton	Acton, Pacifico Mtn., Chilao Flat, Condor Peak
0818		Mint Canyon, Agua Dulce, Sunland, San Fernando
0819		Val Verde, Newhall, Oat Mtn., Santa Susana
0820		Fillmore, Piru, Simi, Moorpark
0821		Ojai; Santa Paula Peak, Santa Paula, Saticoy
0822		White Ledge Peak, Matilija, Ventura, Pitas Point
0823		Santa Barbara, Carpinteria
0824		Dos Pueblos Canyon, Goleta
0825		Gaviota, Tajiguas
0826		Point Conception, Sacate
0902	Topock	Topock, Castle Rock
0903	Sawtooth Range	Monumental Pass, Whale Mtn., Chemehuevi Peak, Snaggle Tooth
0904	Stepladder Mts.	
0905	Essex	
0906	Danby	
0907	Cadiz	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0908	Bagdad	Amboy Crater, Bagdad SW
0909	Ludlow	Ludlow, Ash Hill, Ludlow SE, Morgans Well
0910	Lavic	Sunshine Peak, Lavic Lake, Lavic SE, Galway Lake
0911	Rodman Mts.	Silver Bell Mine
0912	Ord Mts.	
0913	Apple Valley	Turtle Valley, Stoddard Well, Fairview Valley, Apple Valley N
0914	Victorville	Victorville NW, Helendale, Victorville, Adelanto
0915		Adobe Mtn., Shadow Mts., Shadow Mts. SE, El Mirage
0916		Alpine Butte, Hi Vista, Lovejoy Buttes, Littlerock
0917	Lancaster	Lancaster W, Lancaster E, Palmdale, Ritter Ridge
0918	Bouquet Reservoir	Lake Hughes, Del Sur, Sleepy Valley, Green Valley
0919		Liebre Mtn., Burnt Peak, Warm Springs Mtn., Whitaker Peak
0920		McDonald Peak, Black Mtn., Cobblestone Mtn., Devils Heart Peak
0921		San Guillermo, Lockwood Valley, Topatopa Mts., Lion Canyon

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
0922		Rancho Nuevo Creek, Reyes Peak, Wheeler Springs, Old Man Mtn.
0923	Gibraltar Dam	Big Pine Mtn., Madulce Peak, Hildreth Peak, Little Pine Mtn.
0924	San Rafael Mtn..	Figueroa Mtn., San Rafael Mtn., San Marcos Pass, Lake Cachuma
0925		Zaca Creek, Los Olivos, Santa Ynez, Solvang
0926	Lompoc	Lompoc, Los Alamos, Santa Rosa Hills, Lompoc Hills
0927	Point Arguello	Surf, Tranquillon Mtn., Point Arguello
1003	Needles	Needles NW, Needles, Needles SW
1004	Bannock	
1005	Fenner	
1006	Colton Well	
1007	Flynn	
1008	Kerens	
1009	Broadwell Lake	
1010	Cady Mts.	
1011	Newberry	
1012	Daggett	Nebo, Yermo, Minneola, Daggett
1013	Barstow	Hinkley, Barstow, Barstow SE, Hodge

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1014	Hawes	Kramer Hills, Twelve Gauge Lake, Wild Crossing, Astley Rancho
1015	Kramer	Leuhman Ridge, Kramer Junction, Red Buttes, Jackrabbit Hill
1016	Rogers Lake	Edwards, Rogers Lake N, Rogers Lake S, Redman
1017	Rosamond	Soledad Mtn., Bissell, Rosamond Lake, Rosamond
1018		Tylerhorse Canyon, Willow Springs, Little Buttes, Fairmont Butte
1019		Winters Ridge, Liebre Twins, Neenach School, La Liebre Ranch
1020		Grapevine, Pastoria Creek, Lebec, Frazier Mtn.
1021		Eagle Rest Peak, Pleito Hills, Cuddy Valley, Sawmill Mtn.
1022		Ballinger Canyon, Santiago Creek, Apache Canyon, Cuyama Peak
1023	Salisbury Canyon	New Cuyama, Cuyama, Fox Mtn., Salisbury Potrero
1024		Bates Canyon, Peak Mtn., Hurricane Deck, Bald Mtn.
1025		Tepusquet Canyon, Manzanita Mtn., Zaca Lake, Foxen Canyon
1026	Santa Maria	Santa Maria, Twitchell Dam, Sisquoc, Orcutt

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1027	Point Sal	Point Sal, Guadalupe, Casmalia
1103	Davis Dam	Mount Manchester
1104	Homer Mtn.	
1105	Lanfair Valley	
1106	Mid Hills	
1107	Kelso	
1108	Old Dad Mtn.	
1109	Soda Lake	
1110	Cave Mtn.	
1111	Alvord Mtn.	
1112	Lane Mtn.	
1113	Opal Mtn.	
1114	Fremont Peak	
1115	Boron	Boron NW, Boron NE, Saddleback Mtn., Boron
1116	Castle Butte	California City N, Galileo Hill, North Edwards, California City S
1117	Mojave	Cache Peak, Mojave NE, Sanborn, Mojave
1118		Tehachapi N, Tehachapi NE, Monolith, Tehachapi S
1122		Taft, Mouth of Kern, Pentland, Maricopa
1123		Panorama Hills, Fellows, Elkhorn Hills, Wells Ranch

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1124	Caliente Mtn.	Chimineas Ranch, Painted Rock, Caliente Mtn., Taylor Canyon
1125		Los Machos Hills, Branch Mtn., Miranda Pine Mtn., Chimney Canyon
1126	Nipomo	Tar Spring Ridge, Caldwell Mesa, Huasna Peak, Nipomo
1127		Pismo Beach, Arroyo Grande, Oceano
1128	Port San Luis	Port San Luis ¹
1203	Spirit Mtn.	Spirit Mtn. NW, Spirit Mtn. NE, Spirit Mtn. SE, Spirit Mtn.
1204	Searchlight	
1205	Crescent Peak	
1206	Ivanpah	
1207	Mescal Range	
1208	Halloran Spring	
1209	Baker	
1210	Red Pass Lake	
1211	Tiefort Mts.	
1212	Goldstone Lake	
1213	Pilot Knob	
1214	Cuddeback Lake	
1215		El Paso Peaks, Klinker Mtn., Red Mtn., Johannesburg

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1216		Saltdale NW, Garlock, Saltdale SE, Cantil
1217	Cross Mtn.	Pinyon Mtn., Dove Spring, Cinco, Cross Mtn.
1218	Emerald Mtn.	Piute Peak, Claraville, Emerald Mtn., Loraine
1223		Belridge, Lokern, West Elk Hills, Reward
1224	Simmler	Las Yeguas Ranch, Carneros Rocks, McKittrick Summit, Simmler
1225	La Panza	La Panza Ranch, La Panza NE, California Valley, La Panza
1226	Pozo	Wilson Corner, Camatta Ranch, Pozo Summit, Santa Margarita Lake
1227		Atascadero, Santa Margarita, Lopez Mtn., San Luis Obispo
1228	Cayucos	Cayucos, Morro Bay N, Morro Bay S
1304	Nelson	
1305	McCullough Mtn.	
1306	Roach Lake	
1307	Clark Mtn.	
1308	Kingston Peak	
1309	Silurian Hills	
1310	Avawatz Pass	
1311	Leach Lake	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1312	Quail Mts.	
1313	Wingate Pass	
1314	Searles Lake	Westend, Searles Lake, Christmas Canyon, Spangler Hills E
1315	Ridgecrest	Ridgecrest N, Lone Butte, Spangler Hills W, Ridgecrest S
1316	Inyokern	Owens Peak, Inyokern, Inyokern SE, Freeman Junction
1317	Onyx	Onyx; Walker Pass, Horse Canyon, Cane Canyon
1325	Orchard Peak	Orchard Peak, Sawtooth Ridge, Packwood Creek, Holland Canyon
1326	Shandon	Shandon, Cholame, Camatta Canyon, Shedd Canyon
1327	Paso Robles	Paso Robles, Estrella, Creston, Templeton
1328	Adelaida	Lime Mtn., Adelaida, York Mtn., Cypress Mtn.
1329	San Simeon	San Simeon, Pebblestone Shut-in, Cambria, Pico Creek
1330	Piedras Blancas	Piedras Blancas
1405	Sloan	
1406	Goodsprings	
1407	Shenandoah Peak	
1408	Horse Thief Springs	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1409	Tecopa	
1410	Shoshone	
1411	Confidence Hills	
1412	Wingate Wash	
1413	Manly Peak	
1414	Trona	
1415	Mountain Springs Canyon	
1416	Little Lake	
1417	Lamont Peak	
1425		Garza Peak, Kettleman Plain, Pyramid Hills, Tent Hills
1426	Parkfield	Parkfield, The Dark Hole, Cholame Valley, Cholame Hills
1427	San Miguel	Valleton, Stockdale Mtn., Ranchito Canyon, San Miguel
1428	Bradley	Hames Valley, Wunpost, Bradley, Tierra Redonda
1429	Bryson	Jolon, Williams Hill, Bryson, Burnett Peak
1430	Cape San Martin	Cape San Martin, Alder Peak, Burro Mtn., Villa Creek
1506	Blue Diamond	La Madre Mtn., Blue Diamond NE, Blue Diamond SE, Blue Diamond
1507	Mountain Springs	
1508	Pahrump	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1509	Stewart Valley	
1510	Eagle Mtn.	
1511	Funeral Peak	
1512	Bennetts Well	
1513	Telescope Peak	
1514	Maturango Peak	
1515	Coso Peak	
1516	Haiwee Reservoir	
1517	Monache Mtn.	
1527	Priest Valley	Priest Valley, Sherman Peak, Smith Mtn., Slack Canyon
1528	San Ardo	Nattrass Valley, Monarch Peak, Pancho Rico Valley, San Ardo
1529	King City	Thompson Canyon, San Lucas, Espinosa Canyon, Cosio Knob
1530	Junipero Serra	Junipero Serra Peak, Reliz Canyon, Bear Canyon, Cone Peak
1531		Partington Ridge, Tassajara Hot Springs, Lopez Point
1532		Pfeiffer Point
1607	Charleston Peak	
1608	Mount Stirling	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1609		Amargosa Flat, Mount Schader, Mount Schader SE, High Peak
1610	Ash Meadows	
1611	Ryan	
1612	Furnace Creek	
1613	Emigrant Canyon	
1614	Panamint Butte	
1615	Darwin	
1616	Keeler	
1617	Olancha	
1627	New Idria	Idria, Ciervo Mtn., Santa Rita Peak, San Benito Mtn.
1628	Hernandez Valley	Rock Spring Peak, Hernandez Reservoir, Hepsedam Peak, Lonoak
1629	Greenfield	North Chalome Peak, Topo Valley, Pinalito Canyon, Greenfield
1630		Palo Escrito, Soledad, Paraiso Springs, Sycamore Flat
1631		Carmel Valley, Rana Creek, Chews Ridge, Ventana Cones
1632	Point Sur	Soberanes Point, Mount Carmel, Big Sur, Point Sur
1708	Mercury	Mercury
1709	Specter Range	Specter Range NW, Camp Desert Rock

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1710	Lathrop Wells	Lathrop Wells, Striped Hills
1711	Big Dune	
1712	Chloride Cliff	
1713	Stovepipe Wells	
1714	Marble Canyon	
1715	Ubehebe Peak	
1716	New York Butte	
1717	Lone Pine	
1718	Mount Whitney	
1728	Panoche Valley	Cerro Colorado, Mercey Hot Springs, Panoche, Llanada
1729	San Benito	Cherry Peak, Panoche Pass, San Benito, Bickmore Canyon
1730	Gonzales	Mount Harlan, Paicines, Mount Johnson, Gonzales
1731	Salinas	Salinas, Natividad, Chualar, Speckels
1732	Monterey	Marina, Seaside, Monterey
1809	Cane Spring	Mine Mtn., Yucca Lake, Cane Spring, Skull Mtn.
1810	Tonapah Spring	Tonapah Spring NW, Tonapah Spring, Jackass Flats, Tonapah Spring SW
1811	Bare Mtn.	
1812	Bullfrog	
1813	Grapevine Peak	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1814	Tin Mtn.	
1815	Dry Mtn.	
1816	Waucoba Wash	
1817	Independence	
1818	Mount Pinchot	
1828	Ortigalita Peak	Ortigalita Peak NW, Charleston School, Laguna Seca Ranch, Ortigalita Peak
1829	Quien Sabe	Mariposa Peak, Los Banos Valley, Ruby Canyon, Quien Sabe Valley
1830	Hollister	San Felipe, Three Sisters, Tres Pinos, Hollister
1831		Watsonville E, Chittenden, San Juan Bautista, Prunedale
1832		Soquel, Watsonville W, Moss Landing
1833		Santa Cruz ¹
1909	Tippipah Spring	Rainier Mesa, Oak Spring, Yucca Flat, Tippipah Spring
1910	Timber Mtn.	Scrugham Peak, Ammonia Tanks, Buckboard Mesa, Timber Mtn.
1911	Thirsty Canyon	Thirsty Canyon, Thirsty Canyon SE
1912	Springdale	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
1913		Bonnie Claire NW, Bonnie Claire, Bonnie Claire SE, Bonnie Claire SW
1914	Ubehebe Crater	
1915	Last Chance Range	
1916	Waucoba Spring	
1917	Waucoba Mtn.	
1918	Big Pine	
1919	Mount Goddard	
1929		Crevison Peak, Howard Ranch, San Luis Dam, Pacheco Pass
1930		Mississippi Creek, Mustang Peak, Pacheco Peak, Gilroy Hot Springs
1931		Morgan Hill, Mount Sizer, Gilroy, Mount Madonna
1932		Los Gatos, Santa Teresa Hills, Loma Prieta, Laurel
1933		Big Basin, Castle Rock, Felton, Davenport
1934		Pigeon Point, Franklin Point, Ano Nuevo
2010	Silent Canyon	Dead Horse Flat, Silent Butte
2011	Black Mtn.	Trail Ridge
2014		Lida, Mount Jackson, Gold Point, Gold Point SW
2015	Magruder Mtn.	

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
2016	Soldier Pass	
2017	Blanco Mtn.	
2018	Bishop	
2019	Mount Tom	
2020	Mount Abbot	
2033	Palo Alto	Palo Alto, Mountain View, Cupertino, Mindego Hill
2115	Lida Wash	
2116	Piper Peak	
2117	Mount Barcroft	
2118	White Mtn. Peak	
2119	Casa Diablo Mtn.	
2120	Mount Morrison	
2121	Devils Postpile	
2122	Merced Peak	
2216	Rhyolite Ridge	
2217	Davis Mtn.	
2218	Benton	
2219	Glass Mtn.	
2220	Cowtrack Mtn.	
2221	Mono Craters	
2222	Tuolumne Meadows	
2318		Little Huntoon Valley, Teels Marsh, Basalt, Jacks Spring

See footnotes at end of table.

Table 2.--Index numbers and associated 15- and 7½-minute quadrangle maps--Continued

Index No.	Quadrangle-map names	
	15 minute	7½ minute
2319	Huntoon Valley	
2320	Trench Canyon	
2321	Bodie	
2322	Matterhorn Peak	
2419	Powell Mtn.	
2420	Aurora	

¹Irregularly shaped quadrangle map.

²Contained in more than one 15-minute quadrangle.

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