

SANTA ANA, CALIFORNIA (N 11-8)

MARCH 1972 A-665

Base prepared by the U. S. Army Topographic Command (KGLD), Washington, D. C. Compiled in 1958 by photogrammetric methods and from United States quadrangles, 1:24,000, 1:25,000, 1:50,000, 1:93,856; USC&GS Charts, 1954, 1955 and 1957. Planimetry partially revised from aerial photographs taken 1952-55. Map field checked 1959. Revised by the U. S. Geological Survey 1969.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

CALIFORNIA 6



PLANE COORDINATE ZONES
CALIFORNIA 6

HORIZONTAL CONTROL

- Coast & Geodetic Survey**
- ▲ Monument Point - First Order
 - ▲ Monument Point - Second Order
 - ▲ Monument Point - Third Order
 - Located Object - Third Order
 - See separate index for names of numbered stations
 - Station reported not recovered
 - Measured Base - Electronic or Taped
 - Line of triangulation observed
 - Line of triangulation observed from one end only
 - Measured Length - Electronic or Taped
 - Theodolite Traverse - Electronic Distance
 - Transit Traverse - Taped Distance Third Order
 - Transit Traverse and Leveling Third Order

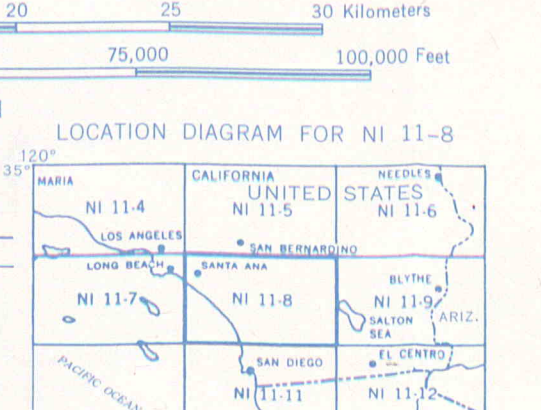
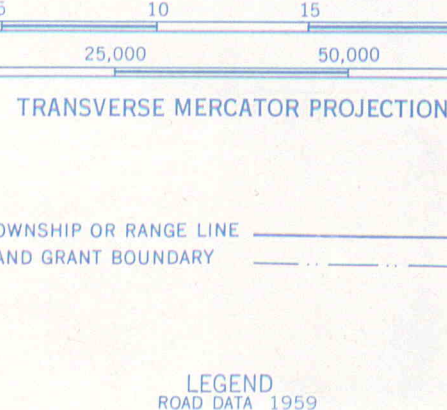
VERTICAL CONTROL

- Coast & Geodetic Survey**
- First Order
 - Second Order
 - Third Order
- Geological Survey**
- First Order
 - Second Order
 - Third Order
- STATE SURVEY CONTROL**
- Horizontal or Vertical



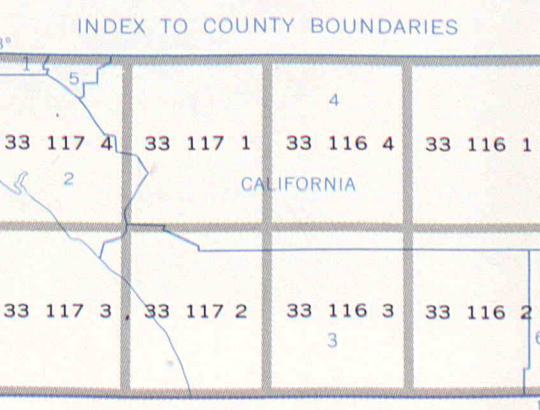
SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



- ROADS**
- Hard surface, heavy duty
 - More than two lanes wide
 - Two lanes wide; Federal route marker
 - Hard surface, medium duty
 - More than two lanes wide
 - Two lanes wide; State route marker
 - Improved light duty
 - Unimproved dirt
 - Trail
- RAILROADS**
- Standard gauge
 - Narrow gauge
 - International
 - State
 - County
 - Park or reservation
- LEGEND**
- Single track Double or Multiple
 - Standard gauge
 - Narrow gauge
 - International
 - State
 - County
 - Park or reservation
- BOUNDARIES**
- International
 - State
 - County
 - Park or reservation
- LANDMARKS:** School; Church; Other, 2' ±
- Horizontal control point
 - Spot elevation in feet
 - Marsh or swamp
 - Intermittent or dry stream
 - Power line

COAST AND GEODETIC SURVEY
THIRTY MINUTE QUADRANGLE DESIGNATION

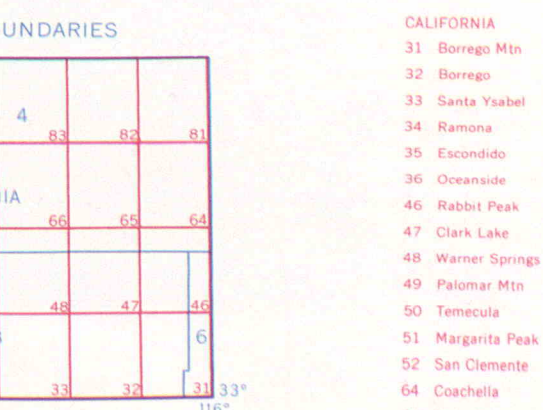


ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM GEODESY DIVISION, NOAA, ROCKVILLE, MARYLAND 20852.

COUNTY DESIGNATIONS

1. Los Angeles
2. Orange
3. San Diego
4. Riverside
5. San Bernardino
6. Imperial

GEOLOGICAL SURVEY
FIFTEEN MINUTE QUADRANGLE DESIGNATION



ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242.

- CALIFORNIA (Cont.)
31. San Diego
 32. Riverside
 33. San Bernardino
 34. Orange
 35. Los Angeles
 36. Santa Ana
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 99. Los Angeles
 100. Los Angeles

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE FEB 1972

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE 1
 QUADS 331161-2-3-4 & 331171-2-3-4
 CALIF
 LATITUDE 33°00' TO 34°00'
 LONGITUDE 116°00' TO 118°00'
 DIAGRAM NI 11-8 SANTA ANA

KEY NO	STATION NAME	QUAD NO	STATION NO	KEY NO	STATION NAME	QUAD NO	STATION NO
2	AQUA	331164	1006	42	CHAPPELL MWD	331164	1051
3	BENCH MARK D 411	331164	1007	43	CHAPPELL AXIS MWD	331164	1052
4	CROWN	331164	1008	44	BURSON MWD	331164	1054
5	UDDER	331164	1009	45	BURSON AXIS MWD	331164	1055
6	BENCH MARK Y 409	331164	1010	46	WATER OLD CITY MARK MWD	331164	1057
7	TOMTIT	331164	1011	47	NOSE MWD	331164	1059
8	BENCH MARK T 411	331164	1011	48	NOSE AXIS MWD	331164	1060
9	ROW M AKER CSHD NEAR TOMTIT	331164	1011	49	POTRERO JUNCTION MWD	331164	1061
10	TOMTIT 2	331164	1011	50	AXIS 4 MWD	331164	1062
11	BENCH MARK M 411	331164	1012	51	WOLFSKILL MWD	331164	1063
12	RIDGE	331164	1013	52	SOUTH EAST POTRERO MWD	331164	1064
13	BENCH MARK M 407	331164	1014	53	POTRERO ADIT NO. 1 MWD	331164	1066
14	BENCH MARK K 408	331164	1015	54	WOLF AXIS MWD	331164	1067
15	CLOSE RIVERSIDE COUNTY	331164	1016	55	SOBOBA OLD CITY MARK MWD	331164	1068
16	BENCH MARK X 405 RESET	331164	1016	56	PIERCE AXIS MWD	331164	1069
17	MATRIX	331164	1017	57	RIVER MWD	331164	1070
18	BENCH MARK M 405	331164	1017	58	AXIS NO. 5 MWD	331164	1071
19	BENCH MARK P 406	331164	1018	59	AXIS NO. 6 MWD	331164	1072
20	PALM SPRINGS STATION WEST WATER TANK	331164	1080	60	HEMET OLD CITY MARK MWD	331164	1073
21	CAPTAIN	331164	1021	61	WEST END MWD	331164	1075
22	PALM SPRINGS STATION EAST WATER TANK	331164	1079	62	PALM SPRINGS AIRPORT BEACON	331164	1077
23	LOS ANGELES PHOENIX AIRWAY BEACON NO 9	331164	1078	63	PICO EAST BASE MWD	331171	1002
24	WHITewater 3 MWD	331164	1025	64	PICO WEST BASE MWD	331171	1003
25	WHITewater NO 1 MWD	331164	1026	65	EAST VAL VERDE MWD	331171	1011
26	BENCH MARK Q 412	331164	1028	66	ESCONDIDO RADIO STATION KOWN MAST	331172	1006
27	MIDWAY	331164	1029	67	SAN JUAN	331174	1108
28	BENCH MARK E 412	331164	1029	68	RP 1 USFS	331174	1115
29	SANDY	331164	1030	68	SANTIAGO	331174	1115
30	PIPELINE	331164	1031	69	LOS ANGELES PHOENIX AIRWAY BEACON NO 12	331161	1034
31	TRIVIA	331164	1032	69	MYOMA SOUTHEAST BASE MWD OF SC	331161	1021
32	SNOW CREEK	331164	1033	70	INDIO JOHNSON INC TANK	331161	1031
33	MESQUITE	331164	1034	71	INDIO UNION OIL CO TOWER C OF SIGN 76	331161	1032
34	BENCH MARK 32 V	331164	1039	72	MISSION MWD	331164	1001
35	PORTAL CITY MARK MWD	331164	1041	72	GLO PIPE MWD NEAR MISSION MWD	331164	1001
36	AXIS 1 MWD	331164	1044	73	GARNET MWD	331164	1002
37	AXIS 2 MWD	331164	1045	74	MORONGO MWD	331164	1003
38	CABEZON JUNCTION MWD	331164	1046	75	BEACON MWD	331164	1004
39	CABEZON ADIT NO 1 MWD	331164	1047	75	BEACON RM 1 MWD	331164	1004
40	RANCHO ENCINO OLD CITY MARK MWD	331164	1049	75	WHITewater MWD OLD STATION	331164	1004
41	RANGER PEAK LOOKOUT TOWER	331164	1050	76	BENCH MARK X 404	331164	1023

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KEY NO	STATION NAME	QUAD NO	STATION NO
77	QUITO	331164	1028
78	CABEZON EAST BASE MWD	331164	1036
79	CABEZON WEST BASE MWD	331164	1037
80	EAST PORTAL MWD	331164	1041
81	EAST END MWD	331164	1042
82	HEMET TRINITY LUTHERAN CHURCH SPIRE	331164	1086
83	HEMET RADIO STATION KHSJ CENTER MAST	331164	1087
84	ROUND TOP	331164	1094
84	CAIRN USGS NEAR ROUND TOP	331164	1094
85	WOODSON	331163	1001
85	WOODSON ECC CDH	331163	1001
85	MOUNT WOODSON COBBLE BACK MT LOOKOUT TOWER	331163	1012
86	PALOMAR MOUNTAIN WATER TANK	331163	1032
86	PALOMAR MT OBSER DOME 200 IN TELESCOPE	331163	1031
87	YORBA SCDH	331174	1208
87	YORBA 2 SCHD	331174	1208

KEY NO	STATION NAME	QUAD NO	STATION NO
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