UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

EL TORO QUADRANGLE
CALIFORNIA-ORANGE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

(ORANGE) (CORONA SOUTH) (BLACK STAR CANYON) (TUSTIN) (LAGUNA BEACH) (SAN JUAN CAPISTRANO) (SANTIAGO PEAK) (CANADA GOBERNADORA)

117°45′ 117°37′30″ 33°45′ 33°37′30″ 42′30″ 40′

431000m E. 442000m E. 3734000m N. 3721000m N.

1 580 000 FEET 570 000 FEET 540 000 FEET 1 550 000 FEET

R. 7 W. R. 8 W. T. 5 S. T. 6 S.

ORANGE 11 MI. IRVINE PARK 5.7 MI. END OF ROAD 2.7 MI. IRVINE RANCH 2.4 MI. SANTA ANA 8.2 MI. 2.2 MI. TO U.S. 101 LAGUNA BEACH 11 MI. IRVINE 6.8 MI. SANTA ANA 10 MI. IRVINE 1 MI. O'NEILL PARK 3.7 MI. O'NEILL PARK 4 MI. I MI. TO U.S. 101 OCEANSIDE 41 MI. SAN JUAN CAPISTRANO 10 MI.

L O M A S D E S A N T I A G O

S A N J O A Q U I N

S A N T A A N A M T S

C A N A D A D E L O S A L I S O S

T R A B U C O

CLEVELAND NATIONAL FOREST

EL TORO AIR STATION

NAVAL RESERVATION

Silverado Canyon · Silverado · Silverado School · Coal Mine (Inactive) · Lead Can · Mine · Water · Silverado Guard Sta · Irvine Mesa · BM 1072 · SANTIAGO TRAIL · SILVERADO TRUCK TRAIL · White Canyon · Limestone Canyon · Santiago Canyon · BM 1128 · Williams Canyon · Pancho Canyon · Spring · Can · Rattlesnake Canyon · Siphon · Hicks Canyon · Hicks Canyon Wash · Well · Spring · The Sinks · Bee Canyon · Round Bee Wash · Tomato Spr · Lambert Res · SPILLWAY 468 · Diversion Dam · Gravel Pit · Chinon Agua Canyon · Borrego Canyon · Borrego Creek · Aliso Creek · Serrano Creek · Windmills · Bolero Lookout · Modjeska · MODJESKA SANTIAGO TRAIL · Hardtke Can · Clay Pit · BM 1646 · BM 1258 · BM 1110 · BM 1069 · BM 1026 · BM 923 · BM 799 · BM 745 · BM 697 · BM 659 · BM 627 · BM 582 · BM 529 · BM 459 · BM 445 · BM 415 · BM 405 · BM 396 · BM 359 · BM 350 · BM 343 · BM 331 · BM 313 · BM 288 · BM 270 · BM 258 · BM 239 · BM 716 · BM 861 · BM 924 · Oil Well (Aband'd) · El Toro Cem · Serrano Place · Veck Res · El Toro · Trabuco Creek · English Canyon · Oso Creek · Windmills · Windmill · Water · Well · Siphon · Irvine Blvd · Central Ave · Trabuco Road · Aliso Creek Road · Santa Fe · Topeka · Atchison · Manger St · Cherry St

Mapped, edited, and published by the Geological Survey

Control by USGS, and USC&GS

Topography from aerial photographs by multiplex methods and by plane-table methods 1948–1949
Aerial photographs taken 1946

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 6

Land lines within San Joaquin, Trabuco, and Lomas de Santiago grants were established by private survey

Dashed land lines indicate approximate location

1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

15½° TRUE NORTH MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1949

SCALE 1 24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS	
Heavy-duty	4 LANE 2 LANE	Improved dirt	
Medium-duty	4 LANE 2 LANE	Unimproved dirt	
Loose-surface, graded, or narrow hard-surface			

U. S. Route ◯ State Route

HISTORICAL
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TOPOGRAPHIC DIVISION

EL TORO, CALIF.
N3337.5—W11737.5/7.5

1949

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