UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

LAS PULGAS CANYON QUADRANGLE
CALIFORNIA-SAN DIEGO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

2450 I NE (SAN CLEMENTE)
2550 IV NE (FALLBROOK)
2550 IV NW (MARGARITA PEAK)
2450 I SE (SAN ONOFRE BLUFF)
2550 IV SE (MORRO HILL)
(SAN LUIS REY) 2550 III NE
(OCEANSIDE) 2550 III NW

117°30′ — 117°22′30″ — 33°22′30″ — 33°15′ — 27′30″ — 25′ — 20′ — 17′30″

454000m E. — 455 — 456 — 457 — 460 — 461 — 462 — 463 — 464000m E. — 1620000 FEET — 1650000 FEET

R. 6 W. — R. 5 W.

3692000m N. — 3691 — 3690 — 3689 — 3688 — 3687 — 3686 — 3685 — 3684 — 3683 — 3682 — 3681 — 3680000m N. — 400000 FEET — 440000 FEET

T. 9 S. — T. 10 S. — T. 11 S.

SAN CLEMENTE 13 MI. 9.7 MI. TO U.S. 101
SAN CLEMENTE 9.9 MI.
SAN ONOFRE 8.7 MI.
NAVAL HOSPITAL 6.4 MI. SAN LUIS REY 13 MI.
NAVAL HOSPITAL 7.3 MI. VISTA 0.9 MI.
OCEANSIDE 4.9 MI. SAN DIEGO 42 MI.
2.9 MI. TO U.S. 101 OCEANSIDE 5 MI.

Horno Summit
San Onofre Mountain
Horno Canyon
SANTA MARGARITA
Lumbre Canyon
Las Pulgas Canyon
Las Pulgas
Camp Pulgas
CAMP JOSEPH H PENDLETON
Agra
Piedra de Lumbre Canyon
LAS FLORESES
NAVAL RESERVATION
Aliso Canyon
Las Flores Creek
Las Flores Mission Ruins
Las Flores
Las Flores Res
Windmill
Don
Cockleburr
Stuart
Newton Canyon
French Canyon
SANTA MARGARITA RIVER
GULF OF SANTA CATALINA
PACIFIC OCEAN

BASILONE ROAD
ATCHISON TOPEKA SANTA FE
AND HIGHWAY
LANE
TOPEKA COAST
SANTA FE
LAS FLORES ROAD
PRIVATE
FIREBREAK
TARGET RANGE
RIFLE RANGE
Ford
Well
Water
BM 140
BM 137
BM 64
BM 83
BM 165
BM 293
BM 263
BM 218
BM 657

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, US Army, and US Navy

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check 1948

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

Dotted land lines within Santa Margarita y Las Flores grant were established by private survey.

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

GN — MN — 0°14′ 4 MILS — 15½° 276 MILS
UTM GRID AND 1948 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 4 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

CALIF
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

LAS PULGAS CANYON, CALIF.
N3315—W11722.5/7.5
1948
AMS 2550 IV SW—SERIES V895

3750

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