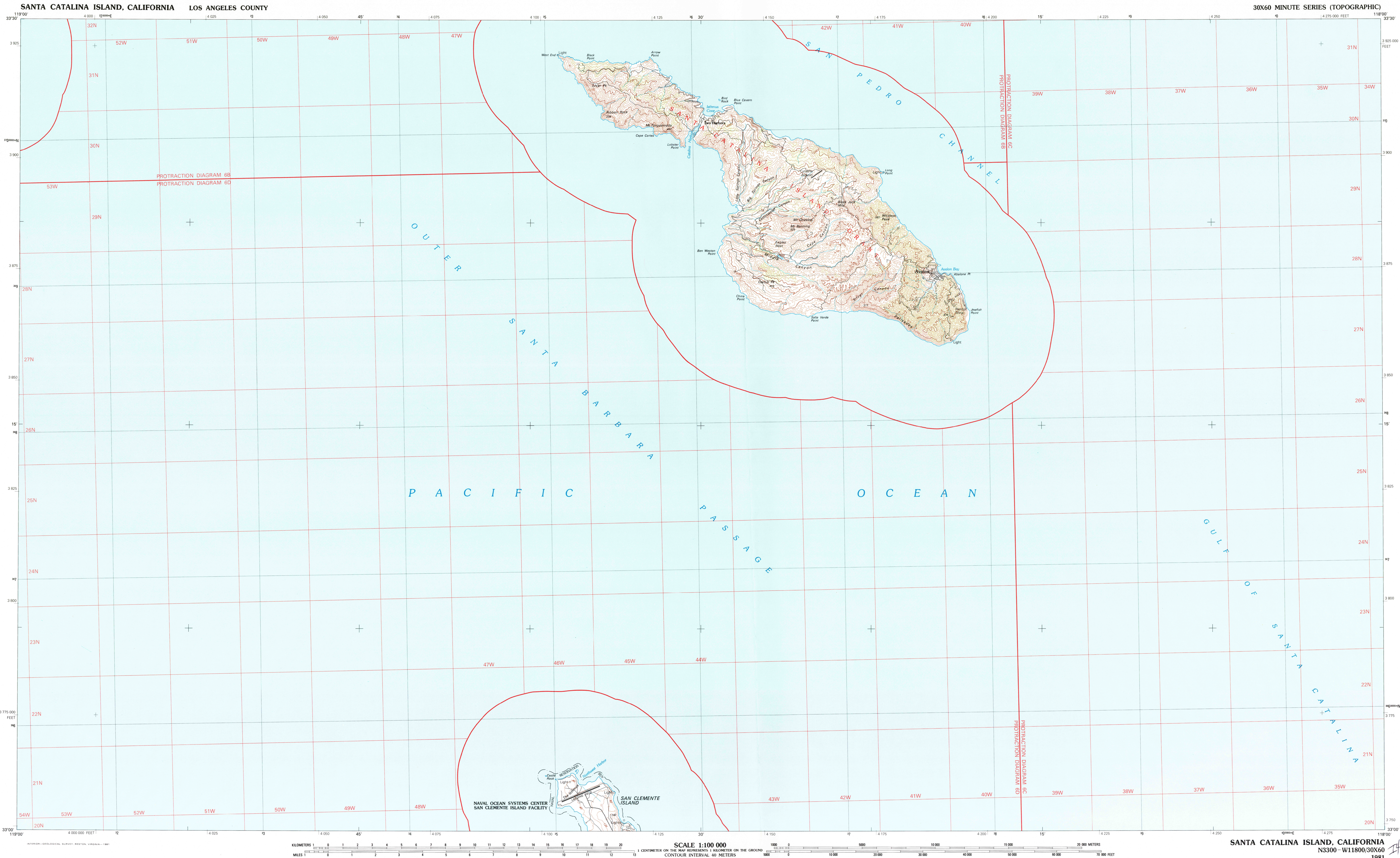




1:100 000-scale *metric*
topographic map of
Santa Catalina Island
CALIFORNIA



30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1981

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps
dated 1980. Map edited 1981.

Projection and 10 000-meter grid, zone 11,

25 000-foot grid ticks based on California coordinate system.

To place on the predicted North American Datum 1983

move the projection line 1 meter south and 84 meters east

Bureau of Land Management. Heavy lines indicate limits
BLM Outer Continental Shelf Official Protraction Diagrams.

dated 1966-67 and 1977. The protractions on this map are not for Federal housing purposes, but are for other purposes.

1:250 000-scale OCS Official Protraction Diagrams available from the Bureau of Land Management.

There may be private inholdings within the boundaries of

the National or State reservations shown on this map

CONTOUR INTERVAL 40 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

11100000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY,

P.O. BOX 25286, DENVER, COLORADO, 80225

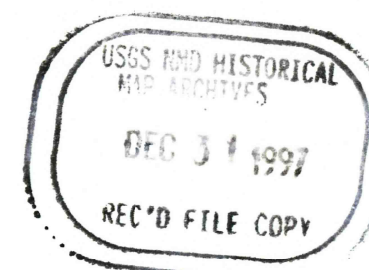
Meters	Feet	★	1	2
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1	3.2808	GN 0.65° 15 MILS MN 14° 249 MILS UTM grid convergence (GN) and (MN) magnetic declination (MN) at center of map Diagram is approximate	4	1 Laguna Harbor 2 Long Beach 3 Santa Ana 4 San Nicolas 5 Occidente 6 7 San Clemente 8 San Diego
2	6.5617		6	
3	9.8425		7	
4	13.1234			
5	16.4042			
6	19.6850			
7	22.9659			
8	26.2467			
9	29.5276			
10	32.8084			

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

ISBN 0-607-09708-6



Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal arterial, hard or improved surface	
Other road or track, trail	
Route marker: Interstate: U. S.; State	
Railroad: standard gage, narrow gage	
Bridge: overpass; underpass	
Tunnel: road; railroad	
Barb on edge, locally, direction	
Airport: landing field, landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U. S. public lands section: range, township; section	
Range, township; section line: protracted	
Water reservation line, pipeline	
Dam; dam with lock	
Cemetery: building	
Minefield; water well; spring	
Mine shaft; mill; oil; cave; mine; quarry; gravel pit	
Water reservoir; pond; lake; U. S. location monument	
Ruin; old dwelling	
Distorted surface: strip mine, lake, sand	
Contour: index; intermediate; supplementary	
Hydrographic series: index; intermediate	
Stream: lake; perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Swamp; marsh	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.