

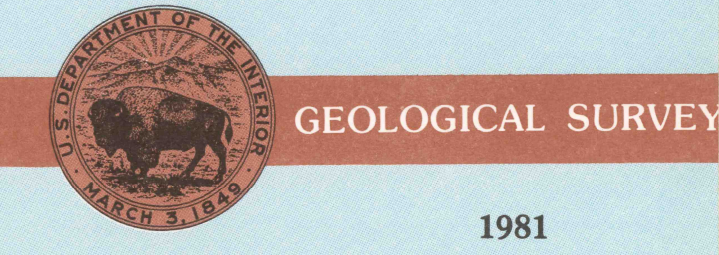


1:100 000-scale metric topographic map of Santa Catalina Island CALIFORNIA



30 X 60 MINUTE QUADRANGLE SHOWING

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



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, Universal Transverse Mercator.  
 25 000-foot grid ticks based on California coordinate system, zone 7, 1927 North American Datum.  
 To place on the predicted North American Datum 1983 move the projection line 1 meter south and 84 meters east.  
 Offshore protraction survey data, printed in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protraction Diagrams dated 1966-67 and 1977. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to the 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

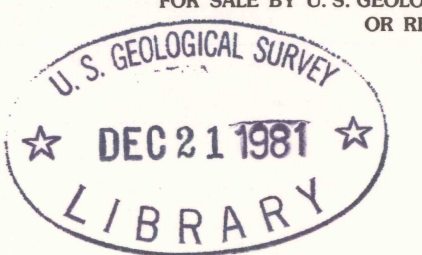
THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
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

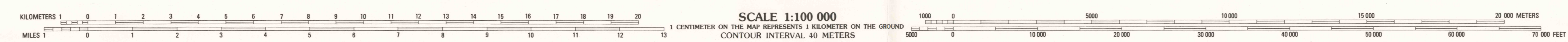
UTM grid convergence (CM) and 100 meters declination (MM) at center of map	Diagram is approximate
1	15 MILS
2	15 MILS
3	15 MILS
4	15 MILS
5	15 MILS
6	15 MILS
7	15 MILS
8	15 MILS

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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker, Interstate, U. S. State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built up area, locality, elevation
- Airport, landing field, landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey: range, township; section
- Range, township; section line: protracted
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Well(s); water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Disturbed surface: strip, mine, levee, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: 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
- Scrub; mangrove
- Orchard; vineyard



A pamphlet describing topographic maps is available on request. United States Topo 1:100,000 Santa Catalina Island. 1981 Copy 1