

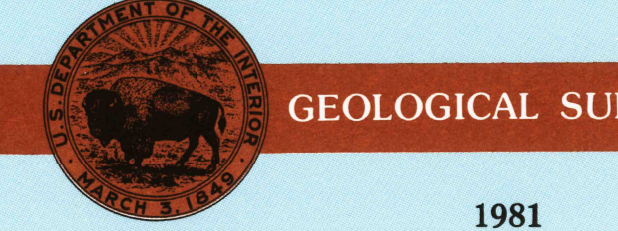


1:100 000-scale metric topographic map of Long Beach CALIFORNIA



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 in cooperation with the U.S. Forest Service

Compiled from USGS 1:24 000-scale topographic map dated 1972 and maps in progress. Planimetry revised from aerial photographs taken 1979 and other source data. Revised information not field checked. 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 and 6, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 1 meter north and 85 meters east.

Offshore projection survey data, printed in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams dated 1967 and 1977. The protections on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection 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 SUPPLEMENTARY CONTOUR INTERVAL 10 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929

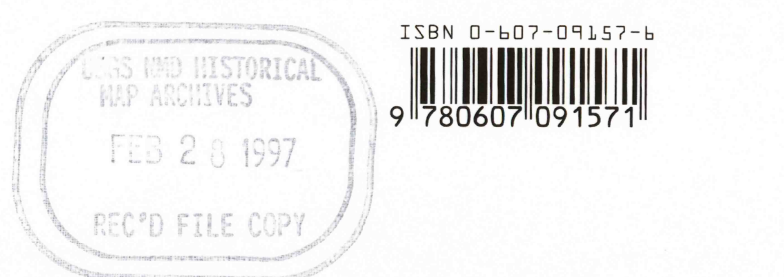
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	G.M. M. 15 MILS		1	2	3
1	3.2808	10°		4	5	6
2	6.5617	10°		7	8	9
3	9.8425	10°		10		
4	13.1234	10°				
5	16.4042	10°				
6	19.6850	10°				
7	22.9659	10°				
8	26.2467	10°				
9	29.5275	10°				
10	32.8084	10°				

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

UTM grid convergence (GN and 180 magnetic declination (MN) at center of map. Diagram is approximate.

1 Santa Barbara  
2 Los Angeles  
3 San Bernardino  
4 Laguna Harbor  
5 Santa Ana  
6 San Nicolas  
7 Santa Catalina  
8 Oceanside



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
- Road 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, projected
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery: building
- Well; water well; spring
- Mine shaft; salt or cave; mine; quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathythermic contour: 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
- Other: viewpoint