

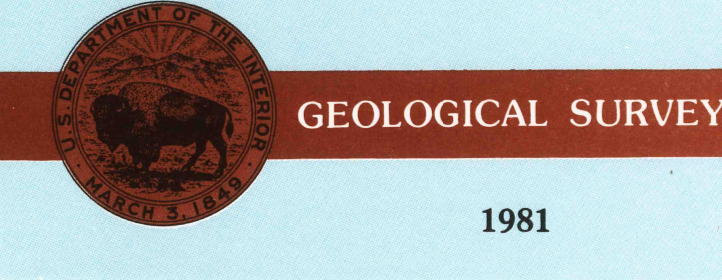


1:100 000-scale metric topographic map of Long Beach CALIFORNIA



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 Projection Diagrams dated 1967 and 1977. The projections on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Projection 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	GN	MN	1	2	3	4
1	3.2808			1	2	3	4
2	6.5617			5			
3	9.8425			6			
4	13.1234			7			
5	16.4042			8			
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5275						
10	32.8084						

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

UTM grid convergency (GN and MN magnetic declination 1981) at center of map diagram is approximate

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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, soil
- Route marker: Interstate, U. S., State
- Railroad: standard gauge; narrow gauge
- Bridge; overpass; underpass
- Tunnel: road; railroad
- Ball 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
- Canal; waterway
- Well; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, levee, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapid, 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