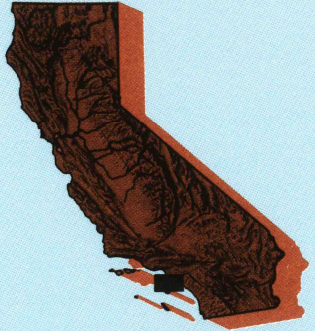
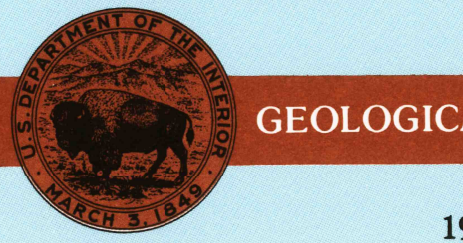


1:100 000-scale metric  
topographic map of  
**Long Beach**  
CALIFORNIA



30 X 60 MINUTE QUADRANGLE  
SHOWING

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



GEOLOGICAL SURVEY

1981

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 protection 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

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	29.5275
10	32.8084

To convert meters to feet  
multiply by 3.2808

To convert feet to meters  
multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence  
(IGN) and 1981 magnetic  
declination (MN)  
at center of map  
Diagram is approximate

ADJOINING MAPS

1	2	3
4	5	
6	7	8

1 Santa Barbara

2 Los Angeles

3 San Bernardino

4 Laguna Harbor

5 Santa Ana

6 San Nicolas Island

7 Santa Catalina Island

8 Occidente



**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; protected	
Power transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windsail; water well; spring	
Mine shaft; salt or ore; mine, quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Ruins; cliff dwelling	
Distorted surface: strip mine, lava; 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  
FOR SALE BY U.S. GEOLOGICAL SURVEY  
P.O. BOX 25286, DENVER, COLORADO, 80225