

POINT ARENA, CALIFORNIA

30X60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)

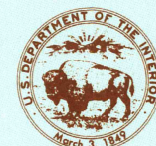
Point Arena
CALIFORNIA

1:100 000-scale metric
topographic-bathymetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE



1981

Produced by the Geological Survey and the National Ocean Service

Service
Compiled from USGS 1:24 000-scale topographic maps dated 1960-1978
Platymetry revised from aerial photographs taken 1976-77 and other source data. Revised information not field checked. New edition 1981.
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (dotted line) and mean high water (heavy solid line) compiled by NOAA from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line. Projection used is 1983 datum grid, zone 10. National Transverse Mercator 25 000-foot grid ticks based on California coordinate system, zone 2. 1977 North American Datum.
To place on the predicted North American Datum 1983 move the projection lines 17 meters north and 96 meters east.
Official protection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagram dated November 2, 1975. The protection on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protection Diagram available from the Minerals Management Service. Where omitted, land lines have not been established or are not shown because of insufficient data.
Limited revision and bathymetry added 1987.
There may be other labelings within the boundaries of National or State reservations shown on this map.
CONTOUR INTERVAL: 40 METERS
NATIONAL GEODETIC VERTICAL DATUM of 1989
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 300 METERS
DEPTH: BY HYDROGRAPHIC & METEOROLOGICAL SERVICE, THENCE TO METERS BY NATIONAL OCEAN SERVICE
CONTOUR DATUM: 0 MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

ATMOSPHERIC SURVEY DATA COMPLETES WITH HYDROGRAPHIC SURVEY ORGANIZATION (HRO) SPECIAL PUBLICATION #4 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS					
CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			1	2
1	3.2808		UTM grid convergence (G) and 1983 magnetic (M) at center of map. Diagram is approximate	3	4
2	6.5617			5	6
3	9.8425			7	8
4	13.1234			9	10
5	16.4042			11	12
6	19.6850			13	14
7	22.9658			15	16
8	26.2466			17	18
9	29.5274			19	20
10	32.8082			21	22
To convert meters to feet multiply by 3.2808					
To convert feet to meters multiply by 0.3048					