

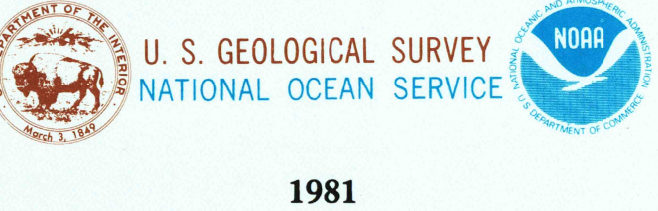


Covelo CALIFORNIA

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



1981

Produced by the Geological Survey and the National Ocean Service
Compiled from USGS 1:24 000-scale topographic maps dated 1966-1970
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes.
To place on the predicted North American Datum 1983 move the projection lines 18 meters north and 96 meters east.
Oblique projection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate items of Ocean Continental Shelf Official Protection Diagram November 2, 1976. The protection on this map are not for Federal listing purposes for such purposes, refer to OCS Official Protection Diagram available from the Minerals Management Service.
Limited revision and bathymetry added 1988.
Contours and lines are omitted because of insufficient data.
There may be private inholdings within the boundaries of National or State reservations shown on this map.
CONTOUR INTERVAL: 40 METERS
BATHYMETRIC CONTOUR INTERVAL: 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1989
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL: 10 METERS TO 100 METERS
DEPTHS WITH SUPPLEMENTARY 1-METER CONTOURS DEPTHS 30 METERS AND DEEPER
CONTOUR-DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
BATHYMETRIC SURVEY DATA COMPARISONS WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION NO. 13, ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEY

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	Magnetic Declination		1	2
1	3.2808	1981		3	4
2	6.5617	1979		5	6
3	9.8425	1977		7	8
4	13.1234	1975			
5	16.4042	1973			
6	19.6850	1971			
7	22.9658	1969			
8	26.2467	1967			
9	29.5275	1965			
10	32.8084	1963			

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

UTM grid convergence (GTM) and 1983 magnetic declination (MD) at center of map
Diagram is approximate

1 Cape Mendocino
2 Geaferville
3 Red Bluff
4
5
6
7 Ukiah
8 Lakeport

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, proposed
- Power transmission line, pipeline
- Dam: dam with lock
- Cemetery: building
- Windmill: water well, spring
- Mine shaft: adit or cave mine, quarry, gravel pit
- Campground: picnic area, U. S. location monument
- Ruins: cliff dwelling
- Distorted surface: strip mine, lava, sand
- Cutbank: rock, intermediate, supplementary
- Bathymetric 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
- Soils: mangrove
- Orchard: vineyard

COVELO, CALIFORNIA
39123-E1-TB-100
1981
BATHYMETRY ADDED 1988

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUTICAL MILES)
H-4862	1929	1:30,000	03.02
H-4863	1929	1:30,000	03.24
H-4864	1929	1:30,000	03.46
H-4865	1929	1:30,000	03.68
H-4866	1929	1:30,000	03.90
H-4867	1929	1:30,000	04.12
H-4868	1929	1:30,000	04.34
H-4869	1929	1:30,000	04.56
H-4870	1929	1:30,000	04.78
H-4871	1929	1:30,000	05.00

USGS NHD HISTORICAL MAP
AUG 11 1989
REC'D FILE COPY

HYDROGRAPHIC SURVEY INDEX

Exposed at low tide

Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director, NCG 243, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852