

Ukiah
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
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1958-1978
Planimetry derived from aerial photographs taken 1976-77 and other source data. Revised information not field checked. Map edited 1981
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes
Map shows low water (dotted line) and mean high water (heavy solid line) compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line
Projection and 19 000-meter grid, zone 10, Universal Transverse Mercator 25 000-foot grid ticks based on California coordinate system, zone 2, 1983 North American Datum
To place on the projected North American Datum 1983 move the projection lines 18 meters south and 96 meters east
Offshore 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, 1976. The protection lines on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protection Diagrams available from the Minerals Management Service
Limited revision and bathymetry added 1987
There may be private subdivisions within the boundaries of National or State reservations shown on this map
CONTOUR INTERVAL: 40 METERS
NATIONAL GEODESIC VERTICAL DATUM OF 1983
ELEVATIONS REFERRED TO THE NAD83 DATUM
BATHYMETRIC CONTOUR INTERVAL: 10 METERS TO 50 METERS
DEPTHS WITH SUPPLEMENTARY 2 METERS CONTOURS; THENCE 50 METERS TO NEARSHORE DEPTHS WITH NUMERICAL 10 METERS CONTOURS-DATUM IN MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
BATHYMETRIC SURVEY DATA COMBINED WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION NO. 13, "STANDARDS FOR HYDROGRAPHIC SURVEYING", WHICH STANDARDS USED AS OF THE DATE OF THE SURVEY

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO, 80225					
CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			1	2
1	3.2808			4	2
2	6.5617			6	7
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		UTM grid convergence (GN) and 1987 magnetic declination (MD) at center of map Diagram is approximate		1	2
To convert feet to meters multiply by 0.3048				3	4
				5	6
				7	8



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 gauge, narrow gauge
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
Canal; waterway
Woods; water well; spring
Mine shaft; adit or cave; mine; quarry; gravel pit
Campground; picnic area; U. S. national 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

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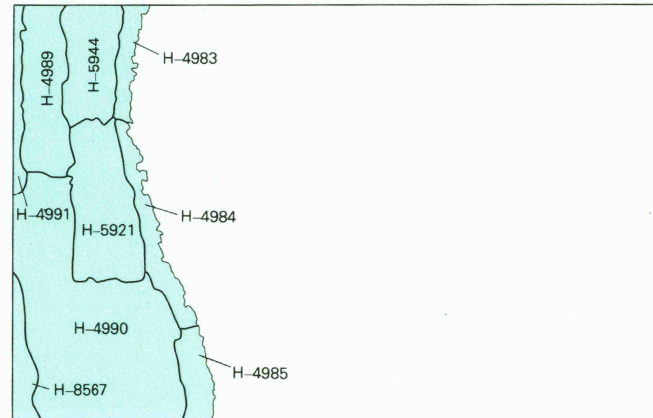
JUN 30 1999

USGS NMD
HISTORICAL MAP ARCHIVES

UKIAH, CALIFORNIA
39123-A1-TB-100

1981
BATHYMETRY ADDED 1987

HYDROGRAPHIC SURVEY INDEX



HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4983	1979	1:20 000	20-24
H-4984	1979	1:20 000	20-24
H-4985	1979	1:20 000	20-24
H-4986	1979	1:20 000	20-24
H-4987	1979	1:20 000	20-24
H-4988	1979	1:20 000	20-24
H-4989	1979	1:20 000	20-24
H-4990	1979	1:20 000	20-24
H-4991	1979	1:20 000	20-24
H-4992	1979	1:20 000	20-24
H-4993	1979	1:20 000	20-24
H-4994	1979	1:20 000	20-24
H-4995	1979	1:20 000	20-24
H-4996	1979	1:20 000	20-24
H-4997	1979	1:20 000	20-24
H-4998	1979	1:20 000	20-24
H-4999	1979	1:20 000	20-24
H-5000	1979	1:20 000	20-24

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