39123-A1-TB-100

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 revised 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

Mean lower 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 1 000-meter grid, zone 10: Universal Transverse Mercator

25 000-foot grid ticks based on California coordinate system, zone 2

1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 18 meters north and 96 meters east

Offshore protraction survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protraction Diagram dated November 2, 1976. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protraction Diagrams available from the Minerals Management Service

Limited revision and bathymetry added 1987

There may be private inholdings within the boundaries of National or State reservations shown on this map

CONTOUR INTERVAL 40 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METERS
50 METERS TO 1000 METERS, WITH SUPPLEMENTARY 25 METER
METERS TO MAXIMUM DEPTH, WITH SUPPLEMENTARY 10 METER
CONTOURS–DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BATHYMETRIC SURVEY DATA COMPLIES WITH
NATIONAL OCEAN SURVEY PUBLICATION 1–1965 SPECIAL
PUBLICATION ON ACCURACY STANDARDS AND/OR STANDARDS
USED AS OF THE DATE OF THE SURVEYS

FOR SALE BY U.S. GEOLOGICAL SURVEY,
P.O. BOX 25286, DENVER, COLORADO, 80225

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	29.5276
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 (GN) and 1981 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Covelo
2 Willows
3
4
5 Lakeport
6
7 Point Arena
8 Healdsburg

ISBN 0-607-09977-4

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: protracted
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
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

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1987

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 40 METERS

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4963	1929	1:20,000	.02-.24
H-4964	1929	1:40,000	.07-.55
H-4965	1929	1:20,000	.02-.17
H-4989	1929	1:40,000	.07-.55
H-4990	1929	1:60,000	.41-4.0
H-4991	1929	1:120,000	.41-4.0
H-5921	1935	1:40,000	.07-.55
H-5944	1935	1:60,000	.07-.55
H-8567	1960	1:160,000	.55–11.0

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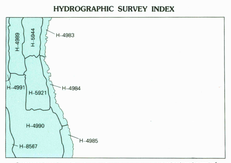
HISTORICAL MAP ARCHIVES

UKIAH, CALIFORNIA
39123-A1-TB-100
1981
BATHYMETRY ADDED 1987

HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction by addressing the Director NC/C243 National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852

Exposed at low tide
DEPTH GRADIENT
Meters 0 — 0 Feet
100 — 328
200 — 656
500 — 1640
Maximum depth