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 Base map prepared by the Defense Mapping Agency from 1:24,000, 1:25,000, 1:50,000, and 1:62,500-scale maps dated 1942-1953, and from aerial photographs taken 1952. Map field checked 1957. Planimetry revised by the U. S. Geological Survey from aerial photographs taken 1968 and other source data. Revised information not field checked. Map edited 1971.
 Bathymetry and shoreline compiled in 1978 by National Ocean Survey (NOS). Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used as of the date of the survey. Shoreline (mean high water line) was compiled from NOS tide-coordinated aerial photographs. This information is not intended for navigational purposes.
 Offshore protection survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagram dated November 2, 1976. The protections on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protection Diagrams available from the Bureau of Land Management.
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 10, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 18 meters north and 95 meters east.
 Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES
 Over 500,000
 100,000 to 500,000
 25,000 to 100,000
 5,000 to 25,000
 1,000 to 5,000
 Less than 1,000

ROADS
 Primary, all-weather, hard surface
 Secondary, all-weather, hard surface
 Light-duty, all-weather, hard or improved surface
 Fair or dry weather, unimproved surface
 Trail
 Interchange

RAILROADS
 Single track Double or Multiple
 Normal gauge
 Narrow gauge
 International

BOUNDARIES
 State
 County
 Park or reservation

Other Symbols
 Route markers: Interstate, U.S., State
 Mine
 Power line
 Landmark: School, Church, Other
 Spot elevation in feet
 Marsh or swamp
 Approximate shoreline
 Sounding datum line

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

Scale 1:250,000
 0 5 10 15 20 25 30 Statute Miles
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 200 FEET
 WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 BATHYMETRIC CONTOUR INTERVAL 10 METERS
 TO THE 200 METER DEPTH, 50 METERS
 TO MAXIMUM DEPTH

DATUM: MEAN LOWER LOW WATER
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

1979 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 17° (310 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 17° (300 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 AND BY NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

NATIONAL OCEAN SURVEY HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4982	1929	1:20,000	03-20
H-4983	1929	1:20,000	02-24
H-4984	1929	1:20,000	02-19
H-4989	1929	1:40,000	07-05
H-4990	1929	1:40,000	07-06
H-4991	1929	1:40,000	41-82
H-5020	1935	1:120,000	07-09
H-5021	1935	1:40,000	07-50
H-5044	1935	1:40,000	07-52
H-5045	1935	1:10,000	03-10
H-5056	1935	1:10,000	02-10
H-8138	1935-36	1:40,000	04-55
H-8267	1960	1:100,000	06-11.0

NATIONAL OCEAN SURVEY INDEX HYDROGRAPHIC SURVEY INDEX

INDEX TO ADJOINING SHEETS

EUREKA NJ 10-1	REDDING NJ 10-2	SUSANVILLE NJ 10-3
UKIAH NJ 10-2	CHICO NJ 10-3	SACRAMENTO NJ 10-4
SANTA ROSA NJ 10-1		

GRID ZONE DESIGNATION: 10S
 100,000 M. SQUARE IDENTIFICATION

DV	EU	
		53
		3

DEPTH GRADIENTS
 Meters: 0, 200, max. depth
 Feet: 0, 656, max. depth

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS
 SAMPLE POINT: BARBER

SHOW THE SMALLER FIGURES OF GRID NUMBER; THESE ARE FOR FINDING THE GRID NUMBER. THE GREATER FIGURES OF THE GRID NUMBER; THESE ARE FOR FINDING THE GRID NUMBER.

SAMPLE REFERENCE:
 If reporting beyond 10° in any direction, prefix Grid Zone Designation, i.e., 10S05333

NOV 18 1980
 USGS
 Historical File
 Topographic Division

UKIAH, CALIFORNIA
 1957
 REVISÉD 1971
 SHORELINE REVISED AND BATHYMETRY ADDED 1979
 TOPOGRAPHIC-BATHYMETRIC

Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director (C-353), National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.