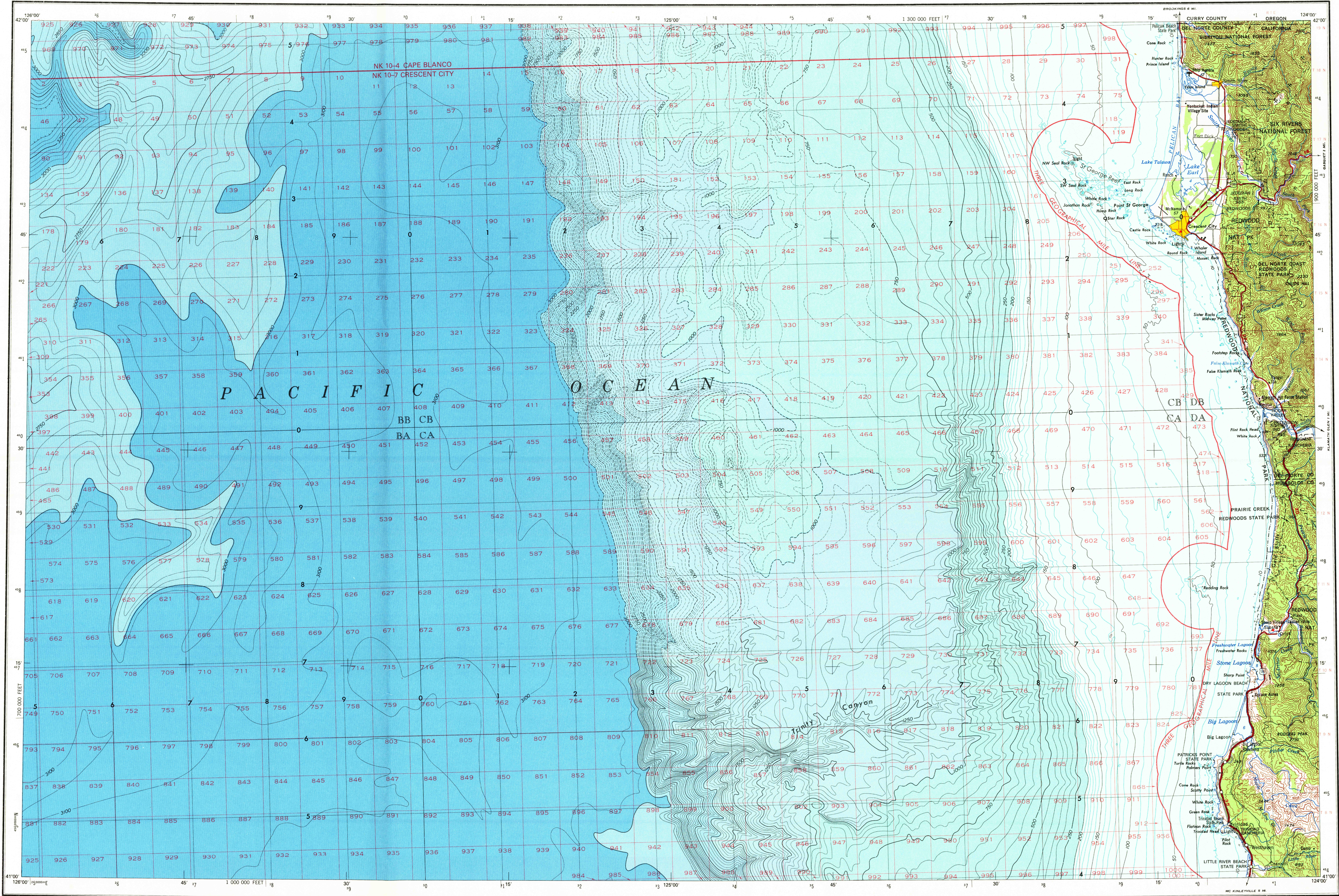




MAPPED, EDITED, AND PUBLISHED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY
Original topographic map prepared by the Defense Mapping Agency Topographic Center from 1:50,000, and 1:62,500-scale maps dated 1942-52. Field checked 1958. Planimetry revised by the U. S. Geological Survey from aerial photographs taken 1975. Map edited 1977.
Bathymetry and shoreline compiled by the National Ocean Survey (NOS). Bathymetry was compiled from NOS Hydrographic Surveys (see index) supplemented by other hydrographic sources. Bathymetric survey data complies with International Hydrographic Organization (IHO) Special Publication 4 accuracy standards and/or standards used as of the date of the surveys. Shoreline (mean high water line) was compiled from NOS hydrographic aerial photographs.
This information is not intended for navigational purposes.
Offshore protection survey data, printed in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams. 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.
100,000-foot grid based on California coordinate system, zone 1.
Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

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
Sun Valley Route markers: Interstate, U.S., State

RAILROADS
Normal gauge
Narrow gauge
Landplane airport
Landing area
Seaplane airport
Seaplane anchorage
Woods-brushwood

BOUNDARIES
International
State
County
Park or reservation

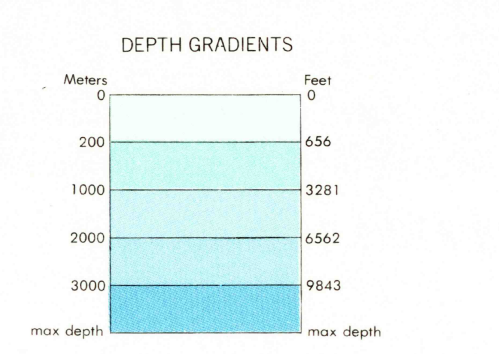
Other symbols:
Power line
Landmark: School, Church, Other
Spot elevation in feet
Approximate shoreline
Sounding datum line

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 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET
NATIONAL GEODETTIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVALS 10 METERS TO THE 200 METER DEPTH, 50 METERS TO THE MAXIMUM DEPTH
DATUM MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS MEAN HIGH WATER
TRANSVERSE MERCATOR PROJECTION
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 10
1977 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1°10' (40° W) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 18°15' (330° W) EASTERLY FOR THE CENTER OF THE EAST EDGE

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4216	1922	1:40,000	25-45
H-4509	1925	1:300,000	Trackline
H-4848	1928	1:200,000	20-40
H-4852	1928	1:400,000	20-30
H-4860	1928	1:400,000	10-30
H-4862	1928	1:200,000	05-15
H-4863	1928	1:100,000	02-10
H-4872	1928	1:200,000	10
H-4873	1928	1:240,000	Trackline
H-4874	1928	1:120,000	20-40
H-4875	1928	1:120,000	50-30
H-4877	1928	1:100,000	03-12
H-4965	1929	1:200,000	10-15
H-4966	1929	1:200,000	10-15
H-4967	1929	1:200,000	10-15
H-4997	1929	1:100,000	05-15
H-4998	1929	1:200,000	15-30
H-6429	1938	1:120,000	10-0-0
H-6606	1938-40	1:400,000	20-40
H-6622	1940	1:240,000	Trackline



GRID ZONE DESIGNATION
100
180,000 M. SQUARE IDENTIFICATION

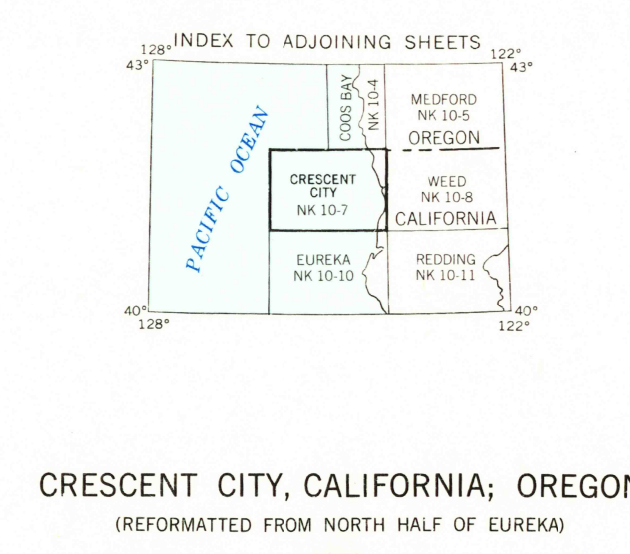
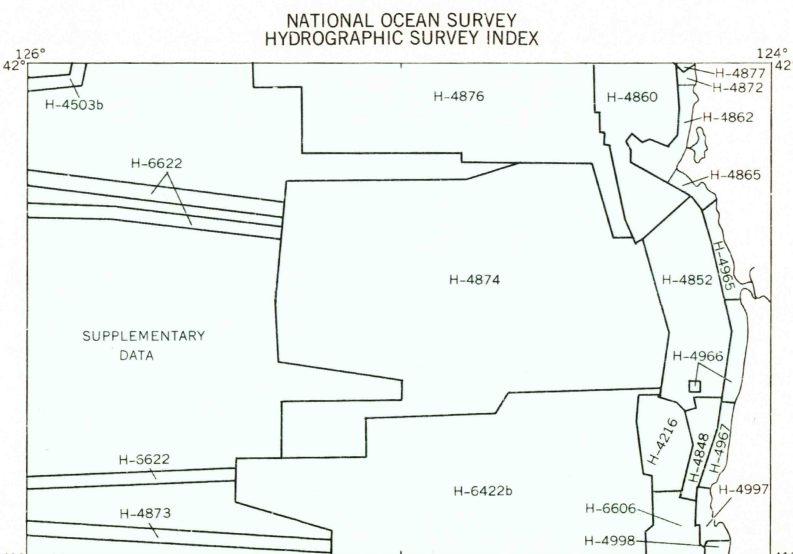
TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

SAMPLE POINT: PLUMMER

1. Read letters identifying 100,000 meter square in which the point lies.
2. Locate first LETTER and line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.
3. Locate first HORIZONTAL grid line to point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.
4. Estimate tenth from grid line to point.

USGS PRESENTATION
If reporting bearing 18° in any direction, grid zone designator, (e.g.) 100A1898

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



CRESCENT CITY, CALIFORNIA; OREGON
(REFORMATTED FROM NORTH HALF OF EUREKA)

USGS
Historical File
Topographic Division

1958
REVISED 1977
TOPOGRAPHIC-BATHYMETRIC

MAR 22 1979