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Topographic map compiled in 1963 by the U.S. Geological Survey from 1:24,000 and 1:62,500-scale maps surveyed 1946-1956, and from aerial photographs taken 1950. Field checked 1965. Planimetry revised by USGS in 1974 from aerial photographs taken 1973.
Bathymetry and shoreline compiled by the National Ocean Survey. Bathymetry from hydrographic surveys (see index on this map), supplemented by other hydrographic sources. Shoreline (mean high water line) from National Ocean Survey nautical charts which are compiled from tide-coordinated aerial photographs. This information is not intended for navigational purposes.
100,000-foot grid based on California coordinate system, zones 4 and 3.
Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.
Offshore protection survey data compiled by the Bureau of Land Management. Heavy red lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams. The protection on this map are not for Federal leasing purposes; for such purposes refer to the OCS Official Protection Diagram available from the Bureau of Land Management.

LEGEND

Figures in red denote approximate elevations 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
Route markers: Interstate, U.S., State

RAILROADS

Normal gauge
Narrow gauge
Boulder

BOUNDARIES

State
County
Park or reservation

Other features

Landing area
Seaplane airport
Power line
Woods brushwood, vineyard
Mine
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 Nautical Miles

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100-FOOT INTERVALS
NATIONAL GEODETIC 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

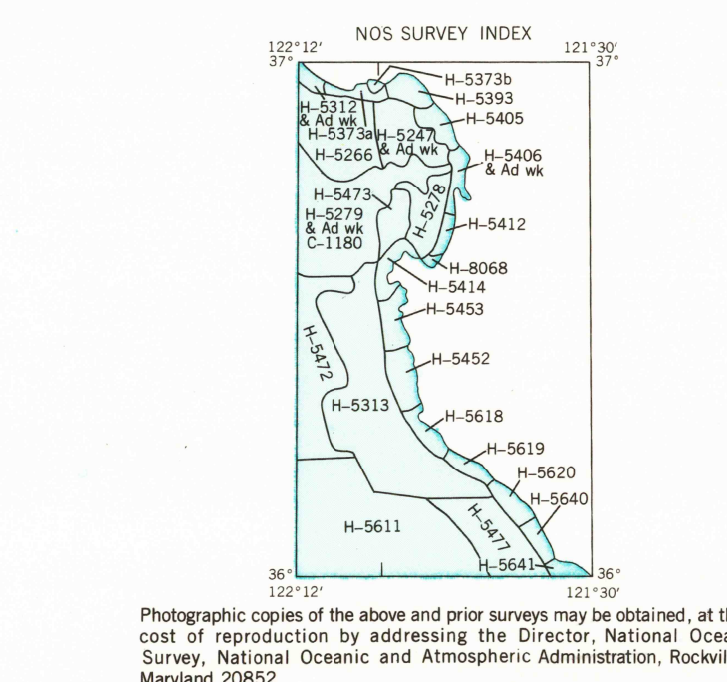
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 10

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 161° 19' 00" W. EASTWARDLY FOR THE CENTER OF THE WEST SIDE TO 1° 12' 00" W. EASTWARDLY FOR THE CENTER OF THE EAST SIDE

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

HYDROGRAPHIC SURVEY INFORMATION

Survey Number	Survey Date	Scale	Survey Linespacing (Naut. Miles)
H-5247	1932-33	40,000	07-20
H-5256	1932-33	40,000	07-40
H-5278	1932-33	40,000	08-40
H-5279	1932-35	80,000	27-1-92
H-5312	1932-35	10,000	02-10
H-5313	1932-33	40,000	07-96
H-5378	1932-33	10,000	02-10
H-5379	1932-33	10,000	02-10
H-5393	1932-33	10,000	01-12
H-5405	1933	10,000	03-14
H-5406	1933-34	10,000	02-12
H-5412	1933	10,000	03-14
H-5414	1933	10,000	01-12
H-5452	1933	10,000	02-12
H-5453	1933	10,000	01-12
H-5472	1932	120,000	10-4-93
H-5473	1932	80,000	14-4-93
H-5477	1933	40,000	04-50
H-5611	1933	80,000	27-2-6
H-5618	1933-34	10,000	01-10
H-5619	1934	10,000	01-14
H-5620	1934	10,000	02-10
H-5640	1934	10,000	01-14
H-5641	1934	10,000	02-14
H-5668	1934-54	10,000	02-07



GRID ZONE DESIGNATION

100,000 M. SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE TO THIS SHEET TO NEAREST 100,000 METER

SAMPLE POINT: CAMPBASS

1. Read letters identifying 100,000 meter square in which sheet is located.
2. Locate from VERTICAL, and from LEFT to RIGHT, the letters identifying the line either in the top or bottom margin are the same as the letters in the left margin.
3. Estimate tenths from grid line to point.
4. Locate from HORIZONTAL, and from LEFT to RIGHT, the letters identifying the line either in the left or right margin are the same as the letters in the top or bottom margin.
5. Estimate tenths from grid line to point.
6. Combine the letters and numbers to give the full coordinate.
7. Example: 39Q0000

DEPTH GRADIENTS

Feet
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
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7200
7300
7400
7500
7600
7700
7800
7900
8000
8100
8200
8300
8400
8500
8600
8700
8800
8900
9000
9100
9200
9300
9400
9500
9600
9700
9800
9900
10000

INDEX TO ADJOINING SHEETS

MONTEREY, CALIFORNIA
(FORMERLY SANTA CRUZ)

1974
TOPOGRAPHIC - BATHYMETRIC

33,000
MAR 15 1978