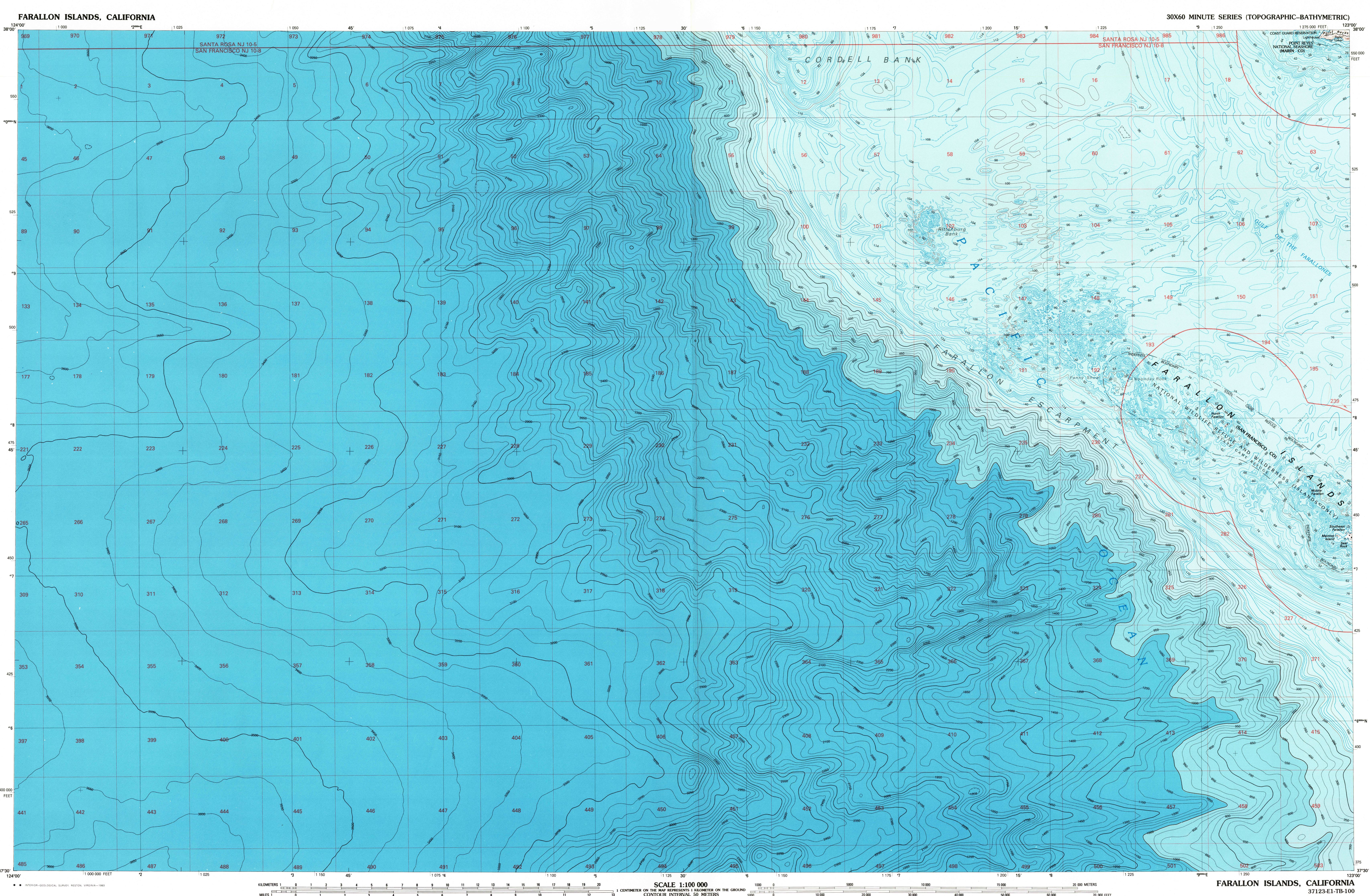




Farallon Islands

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

1993

Produced by the United States Geological Survey and the National Ocean Service

Compiled from USGS 1:24 000-scale topographic maps dated 1976, and 1985. Bathymetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map dated 1993.

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water dashed 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). 1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 10. 25 000-foot ticks. California coordinate system, zone 3.

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datum for 7.5-minute intersections are given in USGS Bulletin 1875.

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 (this map) are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagram available from the Minerals Management Service.

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

CONTOUR INTERVAL: 50 METERS

NATIONAL GEODETIC VERTICAL DATUM of 1929

ELEVATIONS SHOWN TO THE NEAREST METERS TO 100 METERS DEPTH; SUPERIMPOSED BY 2 METERS CONTOURS; THENCE IN METERS TO MAXIMUM DEPTH; SUPERIMPOSED BY 2 METERS CONTOURS; THENCE IN METERS TO MAXIMUM DEPTH.

THESE MAPS COMPLY WITH NATIONAL MAP ACCURACY STANDARDS.

BATHYMETRIC SURVEY DATA COMPLETES WITH INTERVENING HYDROGRAPHIC ORGANIZATION; THIS SPECIAL PUBLICATION IS AN ACCURACY STATEMENT; AND/OR EXAMINED AT THE DATE OF THE SURVEY.

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9658
8	26.2467
9	29.5275
10	32.8084

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

ADJOINING MAPS

	1	2	3
1	Bodega Bay		
2	Napa		
3	San Francisco		
4			
5			
6			
7			
8			

1 Bodega Bay
2 Napa
3 San Francisco
4
5
6
7
8 Palo Alto

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

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: protected

Power transmission line; pipeline

Dam, dam with lock

Cemetery, building

Windmill; water well; spring

Mine shaft; adit or cave; mine, quarry; gravel pit

Compass rose; picnic area; U. S. location monument

River; off-levee

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

Sand; meadow

Outcrop; viewpoint

A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INDEX

Exposed at low tide

DEPTH GRADIENT

Meters	Feet
0	0
100	328
200	656
500	1640
1000	3280

Maximum Depth

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING
H-4974	1979	1:20,000	03-14
H-4975	1979	1:40,000	04-16
H-4980	1979	1:80,000	07-11
H-4981	1979	1:20,000	03-14
H-4982	1979	1:20,000	20-19
H-4983	1979	1:20,000	01-20
H-4984	1979	1:20,000	03-10
H-4985	1979	1:40,000	07-25
H-4986	1984	1:20,000	03-24
H-4987	1984	1:20,000	03-20
Multibeam	1985-89	1:50,000	Full Coverage

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