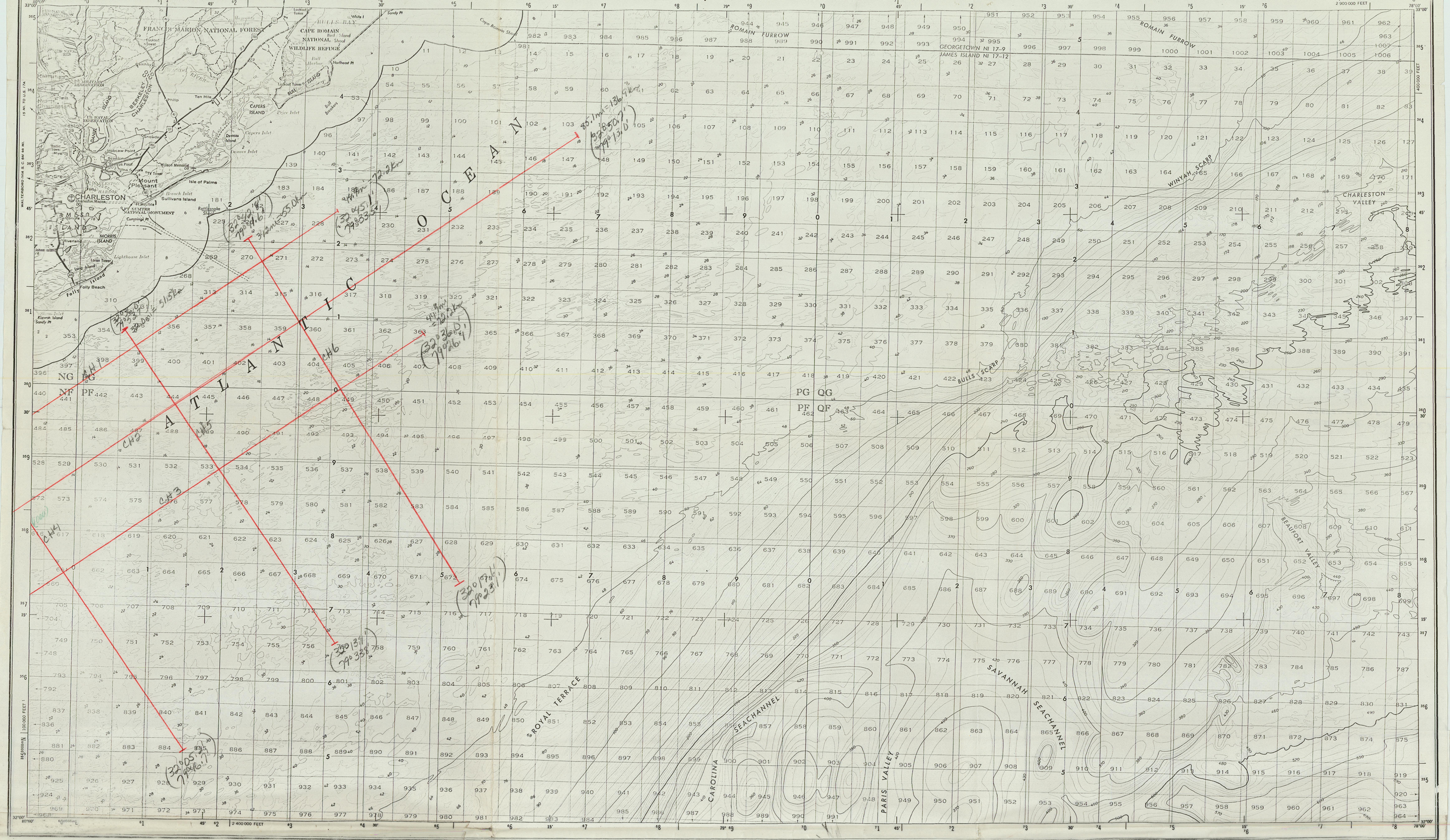


MAPPED, EDITED, AND PUBLISHED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Topographic map compiled in 1969 by the U. S. Geological Survey from 1:24,000-scale maps dated 1958–1959, and from other sources.
Supersedes Defense Mapping Agency Topographic Center map dated 1944.

Hydrography 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 comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used as of the date of the surveys. Shoreline (mean high water line) was compiled from NOS tide-coordinated aerial photography.
This information is not intended for navigational purposes.

Offshore protraction survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protraction Diagrams dated June 11, 1975. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protraction Diagrams available from the Bureau of Land Management.

100,000-foot grid based on South Carolina coordinate system, south zone

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 National or State reservations shown on this map

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES
- Over 500,000 — BOSTON
- 100,000 to 500,000 — RICHMOND
- 25,000 to 100,000 — EVANSTON
- 5,000 to 25,000 — Newnan
- 1,000 to 5,000 — Bar Harbor
- Less than 1,000 — Fishkill

RAILROADS
- Normal gauge
- Narrow gauge
- Single track Double or Multiple

BOUNDARIES
- International
- State
- County
- Park or reservation

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

- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods-brushwood
- Mine
- Power line
- Landmark: School; Church; Other
- Spot elevation in feet — 221
- Marsh or swamp
- Approximate shoreline
- Sounding datum line — (uncovers)

Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO THE 200 METER DEPTH, SUPPLEMENTED BY 2 METER INTERVALS, THENCE 50 METERS TO MAXIMUM DEPTH, SUPPLEMENTED BY 10 METER INTERVALS
DATUM: MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17

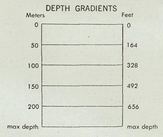
1969 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 2°36' (43 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 3°14' (62 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE

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

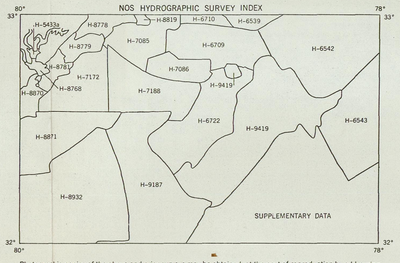
HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY "SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-5433a	1933-34	1:10,000	.25–.50
H-6539	1940	1:80,000	.30–.80
H-6542	1939	1:80,000	.50–2.0
H-6543	1940	1:80,000	.03–.50
H-6709	1941	1:80,000	.20–1.0
H-6710	1941	1:40,000	.15–.48
H-6722	1941	1:80,000	.10–1.0
H-7085	1945-46	1:40,000	.05–.25
H-7086	1946	1:40,000	.05–.45
H-7172	1946	1:40,000	.01–.30
H-7188	1946-47	1:40,000	.08–.45
H-8768	1963	1:10,000	.01–.30
H-8778	1963-64	1:20,000	.02–.12
H-8779	1963	1:20,000	.01–.30
H-8787	1964	1:20,000	.01–.70
H-8819	1965	1:20,000	.01–.13
H-8870	1965	1:20,000	.07–.13
H-8871	1965	1:40,000	.08–.12
H-8932	1966	1:80,000	.15–.35
H-9187	1971	1:80,000	.50
H-9419	1974	1:80,000	.25–.50

DEPTH GRADIENTS



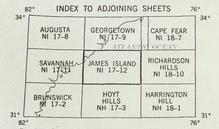
NOS HYDROGRAPHIC SURVEY INDEX



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.

GRID ZONE DESIGNATION: 17S	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS
100,000 M. SQUARE IDENTIFICATION: NG PG QG / NF PF QF	SAMPLE POINT: FORT SUMTER 1. Read letters identifying 100,000 meter square in which the point lies; 2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself; Estimate tenths from grid line to point 3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself; Estimate tenths from grid line to point.
IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number; example: 350000	SAMPLE REFERENCE: PG0524 If reporting beyond 18° in any direction, prefix Grid Zone Designation, as: 17SPG0524

INDEX TO ADJOINING SHEETS



The all wet Bathymetric maps shown on this index are available for sale by the National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1978

JAMES ISLAND, SOUTH CAROLINA

1969

TOPOGRAPHIC-BATHYMETRIC