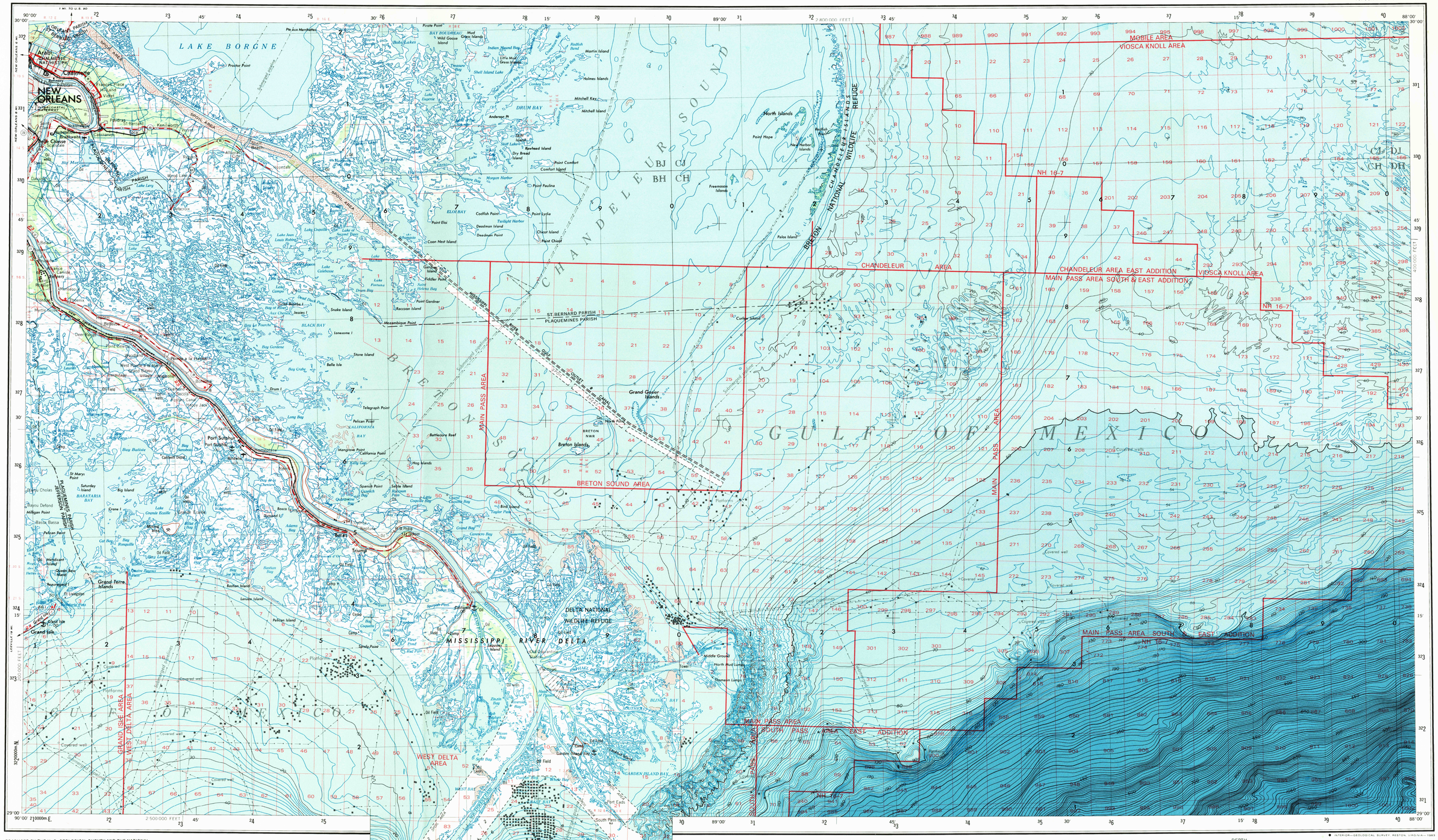
BRETON SOUND



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Base map prepared by Defense Mapping Agency from 1:31,680, 1:50,000, 1:62,500-scale maps dated 1935–54, and aerial photographs taken 1955–56. Field checked 1957. Planimetry revised by the U. S. Geological Survey in 1973 from aerial photograph taken 1972 and other source data. Revised information not field checked

Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. Bathymetric Survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used at the date of the survey. This information is not intended for navigational purposes

Gulf Coast low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photographs

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. 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

Transverse Mercator Projection. 10,000-meter Universal Transverse Mercator grid, zone 16; 100,000-foot grid based on Louisiana coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum of 1983, move the projection lines 21 meters south and 3 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

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

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 — Newman
1,000 to 5,000 — Bar Harbor
Less than 1,000 — Fishkill

RAILROADS
Normal gauge — Single track / Double or Multiple
Narrow gauge

BOUNDARIES
International
State
County
Park or reservation

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

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

Scale 1:250,000

20 Statute Miles
30 Kilometers
15 Nautical Miles

MAXIMUM ELEVATION LESS THAN 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 10 METERS
WITH SUPPLEMENTARY CONTOURS AT 2 METER INTERVALS
TO 200 METER DEPTH
GULF COAST LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

1981 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 4½° (80 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 3½° (60 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

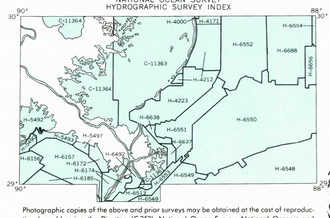
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND BY NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND, 20852

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4000	1917	1:40,000	.01-1.0
H-4171	1920	1:80,000	.40-2.6
H-4212	1921	1:80,000	.10-1.3
H-4223	1922	1:80,000	.20-1.0
H-5490	1934	1:20,000	.05-.10
H-5492	1934	1:20,000	.01-.20
H-5493	1934	1:20,000	.01-.20
H-5497	1934	1:20,000	.02-.28
H-6156	1936	1:40,000	.01-.60
H-6157	1936	1:40,000	.01-.50
H-6172	1936	1:20,000	.05-.17
H-6174	1936	1:20,000	.01-.35
H-6185	1936	1:80,000	.20-3.0
H-6492	1939	1:20,000	.02-.30
H-6513	1939	1:20,000	.02-0.3
H-6548	1940	1:160,000	.40-2.5
H-6549	1940	1:80,000	.20-2.4
H-6550	1940	1:80,000	.20-2.5
H-6551	1940	1:40,000	.01-.60
H-6552	1940	1:40,000	.01-.90
H-6553	1940	1:40,000	.02-.10
H-6554	1940	1:40,000	.01-.40
H-6637	1940	1:20,000	.02-.10
H-6638	1940	1:20,000	.01-.20
H-6656	1940	1:80,000	.20-1.5
H-6688	1941	1:40,000	.01-1.0

NOS CHART 11361 March 1971 1:80,000
NOS CHART 11363 July 1971 1:80,000
NOS CHART 11364 March 1971 1:80,000

NATIONAL OCEAN SURVEY
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.

DEPTH GRADIENTS

GRID ZONE DESIGNATION: 16R
100,000 M. SQUARE IDENTIFICATION

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: 329000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

SAMPLE POINT: BJ842

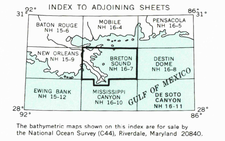
1. Read letters identifying 100,000 meter square in which the point lies:
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself:
   Estimate tenths from grid line to point:
3. Locate first HORIZONTAL grid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

BH	5	4
	5	0

SAMPLE REFERENCE: BH5450

If reporting beyond 18° in any direction, prefix Grid Zone Designation, as: 18RBH5450

INDEX TO ADJOINING SHEETS



The bathymetric maps shown on this index are for sale by the National Ocean Survey (C44), Riverdale, Maryland 20840.

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

BRETON SOUND, LOUISIANA
1957
REVISED 1973
SHORELINE REVISED AND
BATHYMETRY ADDED
1981

TOPOGRAPHIC–BATHYMETRIC

USGS NMD HISTORICAL MAP
REC'D FILE COPY

6602