This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

Formerly C&GS 1000, 1st Ed., Apr. 1900 C-1943-587 KAPP 2156

SOUNDINGS IN FATHOMS

13003

THE NATION'S CHARTMAKER SINCE 1807

ATLANTIC COAST

CAPE SABLE TO CAPE HATTERAS

For offshore navigation only
Detail within the 10 fathom curve is not shown on this chart except on off lying shoals and where the 10 fathom curve extends beyond the limits of the 1:80,000 scale series of charts.
Use the 1:80,000 scale series charts and Canadian charts for near-shore navigation within the 10 fathom curve.

Mercator Projection
Scale 1:1,200,000 at Lat. 40°00'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER IN U.S. TERRITORY
AT LOWEST NORMAL TIDES IN CANADIAN TERRITORY

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilots 1, 2, 3 and 4. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, Mass. or the 5th Coast Guard District in Portsmouth, VA or at the Offices of the District Engineer, Corps of Engineers in Concord, Mass., New York, NY., Philadelphia, PA., Norfolk, VA., or Wilmington NC.
Refer to charted regulation section numbers.

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HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System of 1964 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

NOTE C
AREA TO BE AVOIDED
All vessels carrying cargoes of oil or hazardous materials and all other vessels of more than 1,000 gross tons should avoid the area (MSC IMO XLIII/18).

NOTE D
Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

NOTE E
Anchoring, fishing, or diving within the boundary of the Monitor National Marine Sanctuary is prohibited without a permit.
For information write:
Monitor National Marine Sanctuary
NOAA
Building 1519
Fort Eustis, Virginia, 23604-5544

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CURRENT DIAGRAM
GEORGES BANK AND NANTUCKET SHOALS
Explanation
Directions and velocities of tidal currents at eighteen stations are shown by arrows. The length of the arrow from the center of the circle represents the average velocity on a scale of one inch equals three knots. The figures at the arrow heads are the hours after the time of maximum flood at Pollock Rip Channel, the daily predicted times of which are given in the National Ocean Service Atlantic Coast Current Tables. The velocities plotted should be increased by 20 percent when the moon is full or new and decreased by 20 percent when the moon is in first or third quarters. For effect of wind and tidal currents, see Current Tables, Atlantic Coast.

SCALE OF VELOCITIES — KNOTS

NOTE X
Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

NOTE B
TRAFFIC SEPARATION SCHEME
Recommended traffic lanes have been established for the approach or approaches to Portland, Boston, and New York Harbors, and Narragansett, Buzzards, Delaware, and Chesapeake Bays. For the approach or approaches to Portland Harbor, see Charts 13260 and 13286; for Boston Harbor, see charts 13200 and13267; for Narragansett and Buzzards Bays, see charts 12300 and 13218; for New York Harbor, see charts 12300 and 12326; for Delaware Bay, see charts 12200 and 12214; for Chesapeake Bay, see charts 12200 and 12221.
Recommended traffic lanes in the Bay of Fundy and at the approach to Saint John Harbor have been established by the Department of Transport, Canada. See large scale Canadian charts.

NOTE G
(Protected area 15 CFR 922)
The following activities are prohibited within Stellwagen Bank Marine Sanctuary:
Certain discharging or dumping
Industrial exploring or developing
Drilling and dredging
Removing historical artifacts
Lightering
Refer to 15 CFR 922 for details of Sanctuary regulations.

MARINER ACTIVATED SOUND SIGNALS
Sound signals labeled with (MRASS) require user activation. See USCG Light List.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

LIGHTS
Only the principal lights along the outer coast are shown.

CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area — Cable Area
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

HURRICANES AND TROPICAL STORMS
Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations.
Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.
Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

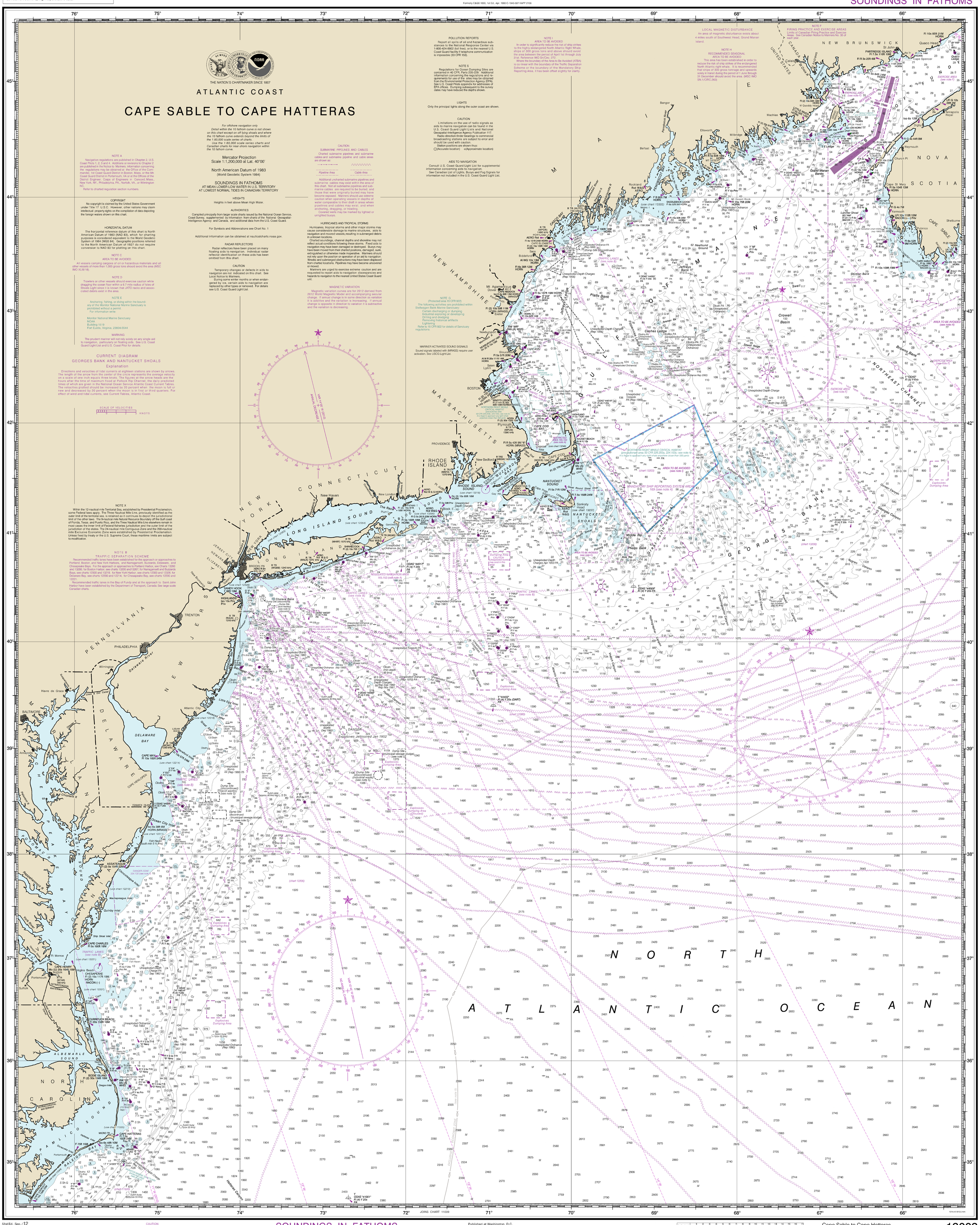
MAGNETIC VARIATION
Magnetic variation curves are for 2012 derived from 2012 World Magnetic Model and accompanying secular change. If annual change is in same direction as variation it is additive and the variation is increasing. If annual change is opposite in direction to variation it is subtractive and the variation is decreasing.

NOTE I
AREA TO BE AVOIDED
In order to significantly reduce the risk of ship strikes to the highly endangered North Atlantic Right Whale, ships of 300 gross tons and above should avoid the area between the period of April 1st through July 31st. Reference IMO Sn/Circ. 272.
Where the boundary of the Area to Be Avoided (ATBA) is co-linear with the boundary of the Traffic Separation Scheme or the boundary of the Mandatory Ship Reporting Area, it has been offset slightly for clarity.

LOCAL MAGNETIC DISTURBANCE
An area of magnetic disturbance exists about 4 miles south of Southwest Head, Grand Manan Island.

NOTE H
RECOMMENDED SEASONAL AREA TO BE AVOIDED
This area has been established in order to reduce the risk of ship strikes of the endangered North Atlantic right whale. It is recommended that ships of 300 gross tonnage and upwards solely in transit during the period of 1 June through 31 December should avoid the area. (MSC IMO SN.1/CIRC.263)

NOTE F
FIRING PRACTICE AND EXERCISE AREAS
Limits of Canadian Firing Practice and Exercise Areas. See Canadian Notice to Mariners No. 35 of each year.



51st Ed., Sep. / 12
13003
CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.
Last Correction: 10/20/2015. Cleared through:
LNM: 4115 (10/13/2015), NM: 4215 (10/17/2015), CHS: 0915 (9/25/2015)
To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).
If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

SOUNDINGS IN FATHOMS

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Cape Sable to Cape Hatteras
SOUNDINGS IN FATHOMS - SCALE 1:1,200,000

13003