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 745, 1st Ed., Oct 1931 C-1931-355

SOUNDINGS IN FEET

Nautical Chart Catalog No. 1, Panel G

12335

(JOINS CHART 12341)

(JOINS CHART 12339)

(CONTINUED ON CHART 12338)

(JOINS CHART 12334)

UNITED STATES – EAST COAST
NEW YORK AND NEW JERSEY

HUDSON AND EAST RIVERS

GOVERNORS ISLAND TO 67TH STREET

Mercator Projection
Scale 1:10,000
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

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

CAUTION
BASCULE BRIDGE CLEARANCES
For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

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.

NOTE C
VESSEL TRAFFIC SERVICE
The Vessel Traffic Service (VTS) is a mandatory waterways management system designed to provide participating vessels with timely information of other vessel movements and conditions which may affect vessel traffic safety. Vessels that are required to participate, are listed in 33 CFR 161.25, but any vessel may participate. The Coast Guard publishes a users manual to provide the user with information needed to participate. A users manual may be obtained by writing to:
Commanding Officer
Vessel Traffic Service
Bldg 108, Governors Island
New York, NY 10004

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.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

FISH TRAP AREAS
Boundary lines of fish trap areas are shown thus:
Caution: Submerged piling may exist in these areas.

SMALL CRAFT WARNING
During the boating season small craft warnings will be displayed on New York City Police Patrol Boats underway in the Hudson and East Rivers and New York Harbor.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping 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)

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 2 for important supplemental information.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE B
The maximum authorized depths, at M.L.L.W., over the E. 63rd Street Tunnel are 45 feet on the west side and 35 feet on the east side of Roosevelt Island.

NOTE D
Soundings within the magenta dashed line are reported and should be used with caution.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
New York, N.Y. KWO-35 162.55 MHz

TIDAL INFORMATION

Place Name	(LAT./LONG)	Height referred to datum of soundings (MLLW) Mean High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
East 41st Street, East River	(40°45'N/73°58'W)	4.9	4.6	0.2	-4.0
East 27th Street, Bellevue Hosp.	(40°44'N/73°58'W)	4.7	4.4	0.2	-4.0
Wallabout Bay	(40°42'N/73°59'W)	4.6	4.3	0.2	-4.0
The Battery	(40°42'N/74°01'W)	5.1	4.8	0.2	-4.0
Governors Island	(40°42'N/74°01'W)	4.9	4.6	0.2	-4.0

(803) Latest Information Available

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical; Al alternating; B black; Bn beacon; C can; DIA diaphone; F fixed; Fl flashing; G green; IQ interrupted quick; Iso isophase; LT HO lighthouse; M nautical mile; m minutes; MICRO TR microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Rot rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHS whistle; Y yellow

Bottom characteristics:
Bldrs boulders; bk broken; Cy clay; Co coral; G gravel; Grs grass; gy gray; h hard; M mud; Oys oysters; Rk rock; S sand; so soft; Sh shells; sy sticky

Miscellaneous:
AUTH authorized; ED existence doubtful; PA position approximate; Obstn obstruction; Rep reported; PD position doubtful; Subm submerged

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers and U.S. Coast Guard.

PLANE COORDINATE GRID
(based on NAD 1927)
New York State Grid, Long Island Zone, is indicated by dotted ticks at 5,000 foot intervals. The last three digits have been omitted.

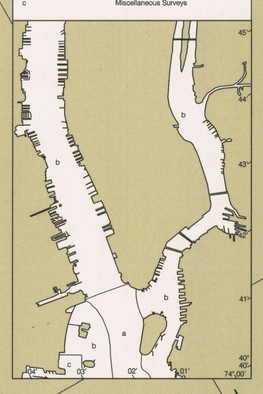
HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.369" northward and 1.502" eastward to agree with this chart.

LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, Mass., or at the Office of the District Engineer, Corps of Engineers in New York, New York.
Refer to charted regulation section numbers.

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Charted hydrography may originate from these and prior surveys.

SOURCE		
a 1950,74-81	NOS Surveys	1:5,000
b 1978-94	Corps of Engineers Surveys	
c	Miscellaneous Surveys	



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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

SOUNDINGS IN FEET

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

FATHOMS / FEET / METERS

(Hudson and East Rivers)
SOUNDINGS IN FEET - SCALE 1:10,000

12335

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