SOUNDINGS IN FEET

12327

Formerly C&GS 369, 1st Ed., Jun. 1874 KAPP 2245

CONTINUED ON CHART 12337 | CONTINUED ON CHART 12341 | CONTINUED ON CHART 12339

SCALE 1:40,000
Nautical Miles 1 ½ 0 1 2 3
Yards 1000 0 1000 2000 3000 4000 5000
Meters 1000 0 1000 2000 3000 4000 5000

NOTE Z
NO-DISCHARGE ZONE, 40 CFR 140
The State of New York waters in the Hudson River from the Battery in Manhattan to the Federal Dam in Troy are designated a No-Discharge Zone (NDZ).

Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: https://www.epa.gov/vessels-marinas-and-ports.

PROJECT DEPTHS
Channel legends and tabulations, where indicated, reflect the U.S. Army Corps of Engineers (USACE) project depths. The channel may be significantly shoaler, particularly at the edges. For detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts. USACE surveys and channel condition reports are available at http://navigation.usace.army.mil/Survey/Hydro.

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.

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 0.374" northward and 1.487" eastward to agree with this chart.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. 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, MA or at the Office of the District Engineer, Corps of Engineers in New York, NY.
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. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

A	1990-2014	NOS Surveys	full bottom coverage
B1	1990-2012	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage

TIDAL INFORMATION

PLACE NAME (LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
	feet	feet	feet
Point No Point (40°44'N/74°07'W)	5.7	5.1	0.3
The Battery (40°42'N/74°01'W)	5.1	4.7	0.2
Norton Point (40°35'N/74°00'W)	5.3	5.0	0.2
South Amboy (40°30'N/74°17'W)	5.7	5.3	0.2
Sandy Hook (40°28'N/74°01'W)	5.2	4.9	0.2

Dashes (- -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
Mar 2017

PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2017 AND SURVEYS TO OCT 2017

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH HALF VALUES (FEET)	DEPTH MLLW (FEET)
PASSAIC RIVER							
KEARNY POINT REACH	15.1	14.2	9.4	12-16	300	1.00	30
POINT NO POINT REACH	0.9	7.8	9.7	12-16	300-340	1.13	30
HARRISON REACH	+1.8	4.2	1.0	12-16	300-385	1.87	20
NEWARK REACH	5.6	9.9	+0.7	12-16	300	1.28	A20
KEARNY REACH	0.5	7.0	+0.2	12-16	300	0.85	A20
ARLINGTON REACH	6.2	8.6	1.1	12-16	200-250	0.89	16
HACKENSACK RIVER							
DROYERS REACH	19.9	23.6	17.6	10-17	300-500	1.55	B32
MARION REACH	18.2	22.6	13.4	10-17	300-370	1.81	B32
TURNING BASIN	26.4	26.4	25.4	10-17	IRREGULAR	0.23	25

A. REACHES WERE NEVER COMPLETED TO A 20 FOOT DEPTH. PREVIOUS DREDGING WAS TO 16 FEET ONLY.
B. REACHES WERE NEVER COMPLETED TO A 30 FOOT DEPTH. PREVIOUS DREDGING WAS TO 30 FEET ONLY.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

UPPER BAY, HUDSON AND EAST RIVERS PROJECT DEPTHS (see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
UPPER BAY	
ANCHORAGE CHANNEL SOUTH	50
ANCHORAGE CHANNEL NORTH	40
PORT JERSEY CHANNEL	50
BAY RIDGE CHANNEL	40
RED HOOK CHANNEL	40
BUTTERMILK CHANNEL EAST	40
BUTTERMILK CHANNEL WEST	35
GOWANUS CREEK CHANNEL	30
NEW JERSEY PIERHEAD CHANNEL	20
HUDSON RIVER	
HUDSON RIVER CHANNEL SOUTH	45
HUDSON RIVER CHANNEL MIDDLE	48
EAST RIVER	
EAST RIVER CHANNEL REACHES A-C	40
EAST RIVER CHANNEL REACHES D-I	35
EAST RIVER CHANNEL REACH J	30
EAST RIVER CHANNEL REACH K	25

KILL VAN KULL, NEWARK BAY AND ARTHUR KILL PROJECT DEPTHS (see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
KILL VAN KULL	
CONSTABLE HOOK REACH	50
BERGEN POINT EAST REACH	50
BERGEN POINT WEST REACH	50
NEWARK BAY	
NEWARK BAY SOUTH REACH	50
NEWARK BAY MIDDLE REACH (SOUTH)	50
NEWARK BAY MIDDLE REACH (NORTH)	40
NEWARK BAY NORTH REACH	35
PORT ELIZABETH SOUTH REACH EAST	50
PORT ELIZABETH SOUTH REACH WEST	45
PORT ELIZABETH BRANCH REACH	50
PORT NEWARK BRANCH REACH	40
PORT NEWARK INSHORE REACH EAST	40
PORT NEWARK INSHORE REACH WEST	35
PORT NEWARK PIERHEAD REACH	35
ARTHUR KILL	
NORTH OF SHOOTERS ISLAND REACH	50
ELIZABETHPORT REACH	50
GULLPORT REACH	40
PRALLS ISLAND REACH	35
TREMLEY POINT REACH	35
FRESH KILLS REACH	35
PORT READING REACH	35
PORT SOCONY REACH	35
OUTERBRIDGE REACH	35
SOUTH OF SHOOTERS ISLAND REACH	35

LOWER BAY, RARITAN BAY AND RIVER PROJECT DEPTHS (see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
LOWER BAY	
AMBROSE CHANNEL	53
SANDY HOOK CHANNEL EAST SECTION	35
SANDY HOOK CHANNEL BAYSIDE REACH	35
MAIN SHIP CHANNEL REACH B	30
MAIN SHIP CHANNEL REACH A	30
RARITAN BAY	
RARITAN BAY EAST REACH	35
RARITAN BAY WEST REACH	35
SEGUINE POINT BEND	35
RED BANK REACH	35
WARD POINT BEND EAST REACH	35
WARD POINT BEND WEST REACH	35
WARD POINT SECONDARY CHANNEL	35
RARITAN RIVER CUTOFF	20
RARITAN RIVER	
GREAT BEDS REACH	25
SOUTH AMBOY REACH	25
SANDY POINT REACH	25

ANCHORAGE AREAS
110.155 (see note A)
Limits and assigned numbers of anchorage areas are shown in magenta
19W 26 27 28 44 45 GENERAL ANCHORAGES
49F 49G ANCHORAGES FOR EXPLOSIVES
See larger scale charts for additional areas not shown on this chart.

CAUTION
Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

NOTE E
A traveling maintenance platform when in operation, reduces the vertical clearances by 15 feet.

NOTE F
GREAT KILLS HARBOR
Great Kills Channel and Harbor are subject to continual change due to shoaling. Buoys may be frequently relocated to mark best water.

NOTE I
Channel is marked by private seasonal buoys or markers.

NOTE J
Numerous uncharted pilings may exist throughout Great Kills Harbor.

NOTE M
RECOMMENDED VESSEL TRACKS
Recommended vessel tracks for coastwise tug and barge vessels approaching from or leaving toward the south and transiting to New York Harbor via Ambrose Channel. While not mandatory, tug and barge vessels are requested to follow designated tracks. See U.S. Coast Pilot 2, Chapter 11.

NOTE H
Strong tidal currents of up to 5 knots, heavy swirls and heavy traffic in Hell Gate require extra caution on the part of the mariner to avoid accidents and collisions. See U.S.Coast Pilot 2 and the Tidal Current Tables for New York Harbor for additional information.

NOTE C
The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the New York Bay and surrounding areas. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate vessel traffic management within the VTS area.

NOTE D
PRECAUTIONARY AREA
Traffic within the Precautionary Area consists of vessels making the transition between operating in Ambrose or Sandy Hook Channels and one of the traffic lanes. Mariners are advised to exercise extreme care in navigating within this area.

NOTE K
SHEEPSHEAD BAY AND APPROACH
Sheepshead Bay and approaches are subject to continual change due to shoaling. Buoys may be frequently relocated to mark best water.

NOTE N
Subsurface hydroacoustic arrays and fish pots located within dashed area. Arrays are 22 feet in length, secured to bottom by concrete moorings. Occasional pop-up buoys may be present as arrays are released for retrieval.

NOTE G
Depths deeper than charted may exist in borrow areas.

LOCAL MAGNETIC DISTURBANCE
Differences of as much as 5° from the normal variation have been reported in the vicinity of Latitude 40°29.6'N, Longitude 74°04.2'W.

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S.Coast Guard Light List.

LEONARDO HARBOR CHANNEL
The controlling depth was 7 1/2 feet for a width of 150 feet from the channel entrance (40°25'47'N, 74°03'21'W) to approximately 650 feet seaward of the bulkhead, thence 7 feet to the entrance of the boat basin (40°25'27'N, 74°03'38'W).
Apr. 2018

UNITED STATES - EAST COAST
NEW YORK - NEW JERSEY

NEW YORK HARBOR

Mercator Projection
Scale 1:40,000 at Lat. 40°35'
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: — — —
Additional information can be obtained at nauticalcharts.noaa.gov.

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

ACKNOWLEDGEMENT
The National Ocean Service acknowledges the exceptional cooperation received from members of United States Power Squadron, District 4, in providing essential information used for revising this chart.
Also acknowledged is assistance provided by the Maritime Authority for the Port of New York/New Jersey.

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)

HEIGHTS
Heights in feet above Mean High Water.

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-228. 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.

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

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

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.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

New York, NY	KWO-35	162.550 MHz

FISH TRAP AREAS
Boundary lines of fish trap areas are shown thus:
CAUTION Mariners are warned that numerous stakes and fishing structures some submerged may exist in the fish trap areas. Some structures are not charted unless known to be permanent.
Fish Traps have been reported in Sandy Hook Bay outside the fish trap areas.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local 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.

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

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).

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
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

CAUTION
USACE conducts hydrographic surveys to monitor navigation conditions. These surveys are not intended to detect underwater features. Uncharted features hazardous to surface navigation are not expected but may exist in federal channels.

NOTE B
DANGER AREA
Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor, dredge, trawl, lay cables, bottom, nor conduct any other similar type of operation because of residual danger from mines on the bottom.

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.

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.

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

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact-htm.

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.

This chart is canceled. No new editions will be issued.

109th Ed., Jan. 2020. Last Correction: 8/16/2023. Cleared through:
LNM: 3423 (8/22/2023). NM: 3523 (8/2/2023). CHS: 0723 (7/28/2023)

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).

JOINS CHART 12324

New York Harbor
SOUNDINGS IN FEET - SCALE 1:40,000

FATHOMS 0 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69 72 75 78 81 84 87 90 93 96 99 102
FEET 0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102
METERS 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 31