Formerly C&GS 221, 1st. Ed., Mar. 1920 C-1005-406 KAPP 2188

SOUNDINGS IN FEET

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

CONNECTICUT

NORTH SHORE OF LONG ISLAND SOUND

SHERWOOD POINT TO STAMFORD HARBOR

Mercator Projection
Scale 1:20,000
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

TIDAL INFORMATION

PLACE			Height referred to datum of soundings (MLLW)		
NAME	Station	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
			feet	feet	feet
Saugatuck River Entrance		(41°06'N/73°23'W)	7.6	7.3	0.3
Norwalk Harbor		(41°05'N/73°24'W)	7.6	7.3	0.3
Greens Ledge		(41°02'N/73°23'W)	7.6	7.5	0.3
Stamford		(41°02'N/73°33'W)	7.6	7.5	0.3

Dashes (–) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tide current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
(Apr 2013)

FIVE MILE RIVER HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2010
AND SURVEYS TO AUG 2008

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTER QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTER QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH VALUE (FEET)
6-FOOT CHANNEL							
From about 660' seaward of Buoy R1 to 0 upstream about 2,560' to Buoy R4+4	43.3	56.7	58.0	8-08	100	.43	6.0
Thence upstream about 2,200' to the entrance vicinity of Cold Water Seafood Corporation	37.8	8.0	67.6	8-08	100	.37	6.0
Thence upstream about 1,200' to the end of the Federal Navigation Project	F5.0	G4.8	H4.4	8-08	100	.21	6.0

A. Shoaling is located from about 335' to about 710' upstream of Buoy R1-G3. 6.0' available elsewhere.
B. Shoaling is located from about 430' to about 830' upstream of Buoy R1-G3. 6.0' available elsewhere.
C. Except for shoaling to 5.0' within 100' of pier head from about 680' to 1,010' upstream of Buoy R4-4.
D. Except for shoaling to 5.0' within 10' of brink.
E. Except for shoaling to 7.0' within 10' of brink in the vicinity of Rowayton Yacht Club.
F. Except for shoaling to 5.1' within 10' of brink.
G. Except for shoaling to 2.0' within 100' of upstream end of the Federal Navigation Project.
H. Except for shoaling to 3.2' within 10' of brink.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

STAMFORD HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2009
AND SURVEYS TO FEB 2008

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTER QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTER QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH VALUE (FEET)
OUTER REACH	13.5	14.3	13.9	2-08	200	0.6	16
INNER REACH	8.9	12.6	11.5	2-08	200	0.4	15
WEST BRANCH	7.5	11.7	8.3	2-08	125	0.6	15
TURNING BASIN	A7.2	B6.0	C6.0	2-08	125-380	0.25	15
EAST BRANCH	13.5	14.3	13.9	2-08	200	0.6	16
TO HURRICANE BARRIER	7.7	12.0	8.3	2-08	100-125	0.44	12
THENCE TO 41°03'38.8"N, 73°31'45.5"W	6.1	9.5	6.3	2-08	100-190	0.46	12
THENCE TO END OF PROJECT	D5.1	E2.8	3.1	2-08	100-75	0.35	12

A. EXCEPT SHOALING TO 6.6 FEET WITHIN 200 FEET OF THE NORTH END OF THE TURNING BASIN.
B. EXCEPT SHOALING TO 6.0 FEET WITHIN 200 FEET OF THE NORTH END OF THE TURNING BASIN.
C. EXCEPT SHOALING TO 5.6 FEET WITHIN 200 FEET OF THE NORTH END OF THE TURNING BASIN.
D. EXCEPT SHOALING TO 4.2 FEET WITHIN 200 FEET OF THE END OF THE PROJECT.
E. EXCEPT SHOALING TO 1.0 FEET WITHIN 200 FEET OF THE END OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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 0.3467" northward and 1.574" eastward to agree with this chart.

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 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 Concord, MA.
Refer to charted regulation section numbers.

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.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):
AUTH authorized; Bldg buoy; Bn beacon; C can; DIA diaphone; F fixed; Fl flashing; G green; Gp group(s) quick; Iso isophase; LT HO lighthouse; M nautical mile; m minutes; MORC TR microwave tower; Mkr marker; Mo morse code; 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; SIREN siren; Y yellow; W white; WHIS whistle; Y yellow
Bottom characteristics:
Blds boulders; Co coral; ck broken; Cy clay; gr gravel; gy gray; h hard; m mud; Oys oysters; S sand; so soft; Sh shells; sy sticky
Miscellaneous:
AUTH authorized; Obstr obstruction; PA position approximate; PD position doubtful; Rep reported; Submerged
Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.

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.

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

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 Z
NO-DISCHARGE ZONE, 40 CFR 140
This chart lists anchorages within the limits of a Nº-Discharge Zone (NDZ) as defined by Section 312 of 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: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

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

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

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.

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.

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.

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	1990-1995	NOS Surveys	full bottom coverage
B1	1990-1994	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

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 areas shown in 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.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 150 nautical miles for stations at high elevations.

Meriden, CT	WXJ-42	162.400 MHz
New York, NY	KWO-35	162.550 MHz
Riverhead, NY	WXM-80	162.475 MHz

PLANE COORDINATE GRID
(based on NAD 1927)
Connecticut State Grid is indicated by dashed ticks at 10,000 foot intervals. The last three digits are omitted.

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.

SCALE 1:20,000
Nautical Miles
Yards

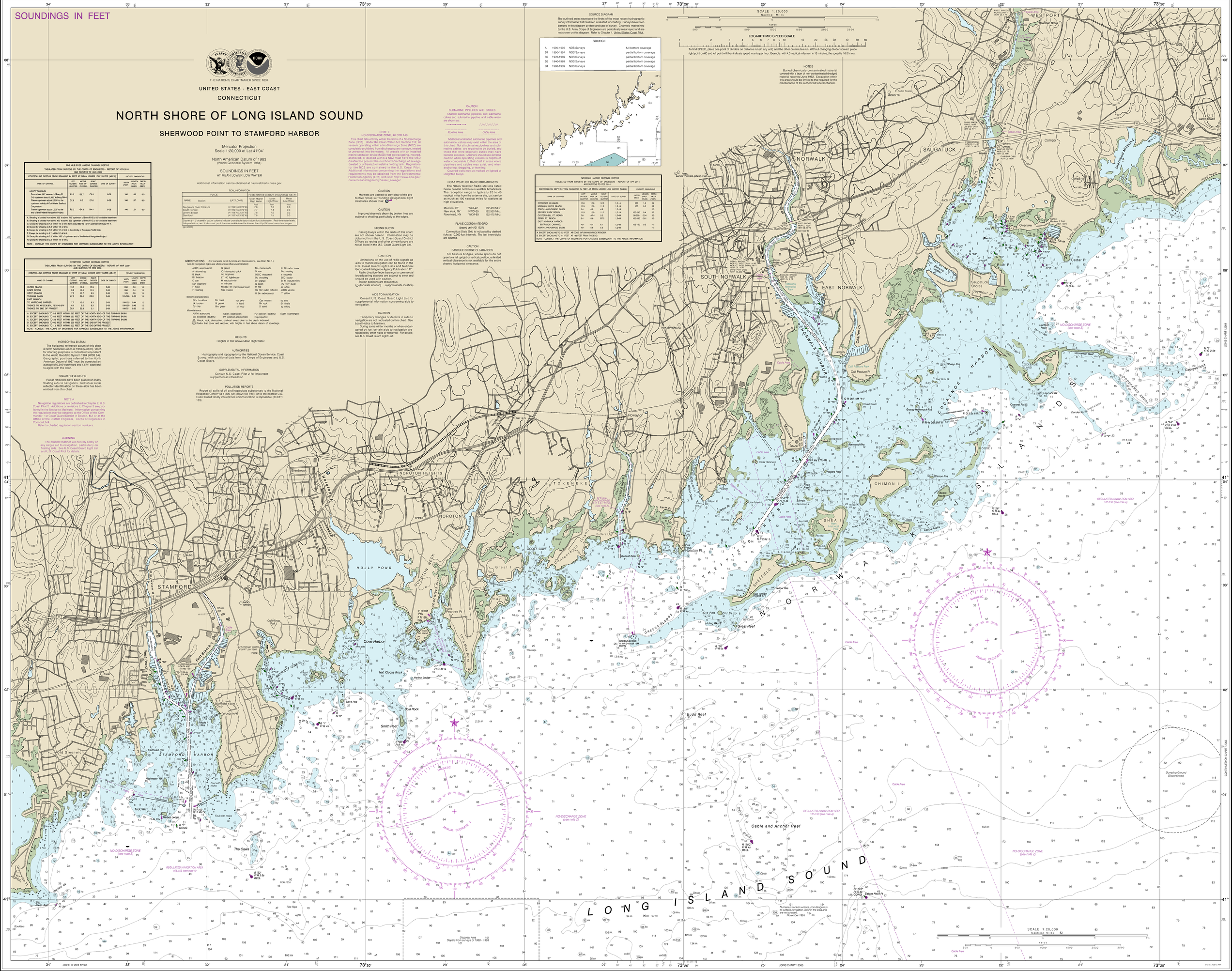
LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed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

NOTE B
Buried chemically contaminated material covered with a layer of non-contaminated dredged material reported June 1992. Excavation within this area should be limited to that required for the maintenance of the authorized federal channel.

NORWALK HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2014
AND SURVEYS TO FEB 2014

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTER QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTER QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH VALUE (FEET)
ENTRANCE CHANNEL	11.8	12.0	10.0	1-2-14	200	1.0	12
NORWALK RIVER REACH	11.9	12.0	11.8	1-2-14	100	0.5	12
SOUTH ANCHORAGE BASIN	5.4	4.8	4.9	1-2-14			10
SEAVIEW PARK REACH	11.9	12.0	11.7	1-2-14	100-150	0.4	12
OYSTERSHELL PT. REACH	7.8	A7.4	5.3	1-2-09	59-200	0.54	10
FERRY PT. REACH	8.4	8.6	B7.2	1-2-09	100-250	0.61	10
EAST NORWALK HARBOR ENTRANCE CHANNEL	4.9	6.1	6.1	1-2-09	125-150	0.5	6
NORTH ANCHORAGE BASIN	4.9	5.8	5.5	1-2-09			6

A. EXCEPT SHOALING TO 5.5 FEET AT EDGE OF SWING BRIDGE FENDER.
B. EXCEPT SHOALING TO 4.1 FEET AT 140 FEET FROM THE END.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.



28th Ed., Jun / 13
12368

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 date shown in the lower left hand corner. Chart updates corrected from Notice to Mariners publication after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

Last Correction: 9/11/2015. Cleared through:
LNM: 3715 (9/15/2015), NM: 3915 (9/26/2015), CHS: 0815 (8/28/2015)

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.

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.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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SOUNDINGS IN FEET

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Sherwood Point to Stamford Harbor
SOUNDINGS IN FEET - SCALE 1:20,000

12368