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

Formerly C&GS 214, 1st Ed., July 1925 D-1951-789 KAPP 2146

SOUNDINGS IN FEET

13211

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

CONNECTICUT

NORTH SHORE OF LONG ISLAND SOUND

NIANTIC BAY AND VICINITY

Mercator Projection
Scale 1:20,000 at Lat. 41° 18'

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 NAME	(LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Millstone Point	(41°18'N/72°10'W)	3.2	2.9	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.
(Feb 2011)

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; Bk 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; WHIS whistle; Y yellow

Bottom characteristics:
Blds 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; Obstn obstruction; PA position approximate; PD position doubtful; Rep reported; Subm submerged

(21) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

SCALE 1:20,000
Nautical Miles ½ 0 ½ 1 1½
Yards 500 0 500 1000 1500 2000 2500

CAUTION

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

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 100 nautical miles for stations at high elevations.

Mericen, CT	WXJ-42	162.400 MHz
New London, CT	KHB-47	162.550 MHz
Riverhead, NY	WXM-80	162.475 MHz

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.

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 0.346" northward and 1.723" eastward to agree with this chart.

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.

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

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

HEIGHTS

Heights in feet above Mean High Water.

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.

AUTHORITIES

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

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).

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.

NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

This chart falls entirely within the limits of 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: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

FISHING AND HUNTING STRUCTURES

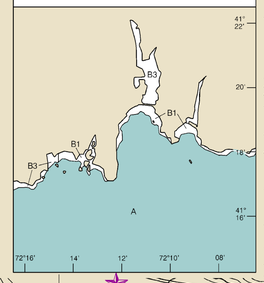
Uncharted fish and wildlife harvesting devices and structures such as fish traps, pound nets, crab traps, and duck blinds, some submerged, may exist in the area of this chart, particularly in the near shore area. Mariners should proceed with caution.

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	1990-2009	NOS Surveys	full bottom coverage
B1	1990-2009	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage



NOTE B

Numerous unlighted buoys are not charted because they are frequently shifted in position.

SMITH COVE

Aids are privately maintained. The controlling depth in the entrance to Smith Cove is 5 feet.
Rep 1999

NIANTIC RIVER

The controlling depths were 6 feet for a width of 100 feet from the channel entrance to 41°19'28"N, 72°10'36"W, thence 5 feet for a mid-width of 50 feet to the end of the channel.
Jul 2014

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.

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.

SUPPLEMENTAL INFORMATION

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

CAUTION

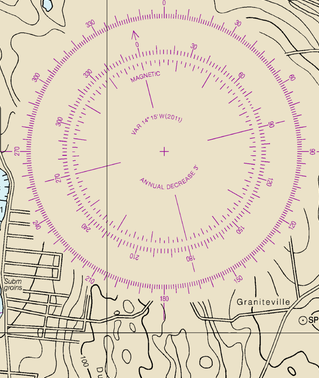
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus: ⊙

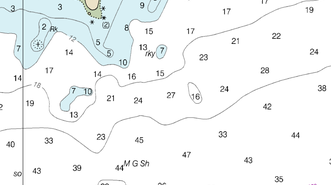
MARINER ACTIVATED SOUND SIGNALS

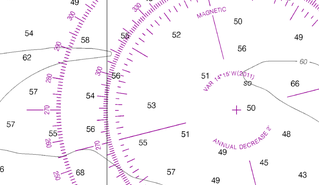
Sound signals labeled with (MRASS) require user activation. See USCG Light List.

NIANTIC BAY
NIANTIC RIVER
LONG ISLAND SOUND
NEW LONDON
GREAT NECK
OSWEGATCHIE HILL
GIANTS NECK
ROCKY NECK
BLACK PT
Sodom Hill
Flanders
Bennings Cove
Latimer Brook
Golden Spur
Bridge under construction (see note)
Oswegatchie
Mt Tabor
Mt Caesar
Gorton Pond
Clark Pond
Bush Pond
Dodge Pond
Mt Ararat
Sandy Point
Keeney Cove
Saunders Pt
Smith Cove
Pine Grove
Pipe Grass
Graniteville
SPIRE
Waterford Sta
Brandegee Lake
Soldier Hill
Perry Pond
Twomile Hill
Jordan Brook
Manitock Hill
Morningside Park
Mallory Hill
Jordan
Nevins Brook
Boston Post Road
Dudley Hill
Stuart Hill
Lamphere Hill
Pepperbox Hill
Amon Hill
Conn Turnpike
Fourmile River
Bride Brook
South Lyme
Rocky Neck State Park
Lands End
Point O'Woods
Threemile River
Old Lyme Shores
Hatchett Reef
Giants Neck
Watts Island
Attawan Beach
Black Point
Crescent Beach
Crescent Park
Indian Pond
Pattagansett River
Red Brook
McCook Pt
Wigwam Rk
Waterford I
Millstone
Pleasure Beach
Seaside
Goshen Cove
State Sanatorium
White Pt
Flat Rk
Black Rk
White Rk
Little Rk
Threefoot Rk
Seal Rk
Griswold
Long Ledge
Long Rock
North Brother
South Brother
Johns Rk
Blackboys
Huntley
Hunting Island
Twotree Island
Twotree Island Channel
Little Goshen Reef
Bartlett Reef
BARTLETT REEF Fl 6s 55ft 8M HORN(MRASS)
Cable Area
Foul
Subm rocks
Subm jetty
Subm outfall
Subm sewer outlet
Piles
Pipes
Ramp
Groins
Bkw
Rky
Obstns
Ocean
Sh
Sh S
Sh S Wd
S G Sh
S P Sh
M G Sh
Si Sh
S Sh
Wk
Rk
Ldg Lts 156
FIXED BRIDGE HOR CL 20 FT VERT CL 9 FT
BASCULE BRIDGE HOR CL 100 FT VERT CL 32 FT
BASCULE BRIDGE Bridge under construction (see note)
FIXED BRIDGE HOR CL 50 FT VERT CL 6 FT
AMTRAK
DMD PWR CAB
CHND CAB
STACK
Sign
Tank
Tanks
Breakwater
Seawall
Causeway
Jetty
Pier
Wharf
Marina
Yacht Club
Ferry Pond
Maid Rk Pt
Goshen Pt
Seaside Pt
Pleasure Pt
Lighthouse Point

SPECIAL ANCHORAGE (110.1 & 110.93 (see note A))
NEW LONDON ANCHORAGE GROUND 110.146 (see note A)
GENERAL ANCHORAGE AREA D 110.147 (see note A)
NO-DISCHARGE ZONE (see note Z)
REGULATED NAVIGATION AREA 165.153 (see note A)
REGULATED NAVIGATION AREA 165.154 (see note A)
SAFETY AND SECURITY ZONES 41 165.154 (see note A)







CONTINUED ON CHART 13209
JOINS CHART 13212
JOINS CHART 12375
JOINS CHART 13212

72° 16' 15' 14' 13' 12' 50' 40' 30' 20' 10' 11' 50' 72° 10' 09' 08' 07'
41° 22' 21' 20' 19' 50' 40' 30' 20' 10' 18' 50' 40' 30' 20' 10' 17' 50' 41° 16'

779.5 X 698.0 mm

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13211

CAUTION
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16th Ed., Mar. 2011. Last Correction: 9/9/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)

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SOUNDINGS IN FEET

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

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 2 4 6 8 10 12 13 15 17 19 21 22 24 26 28 30 31

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Niantic Bay and Vicinity
SOUNDINGS IN FEET - SCALE 1:20,000

13211