SOUNDINGS IN FEET

12353 (formerly C&GS 1214)

LORAN-A/C OVERPRINTED

1st. Ed., Aug. 1913 C-1935-414

Nautical Chart Catalog No. 1, Panels F-G

LIONS CHART (2363) (formerly C&GS 213)

UNITED STATES — EAST COAST
NEW YORK

SHINNECOCK LIGHT TO FIRE ISLAND LIGHT

Mercator Projection
Scale 1:80,000 at Lat. 40°39'

North American 1927 Datum

SOUNDINGS IN FEET
AT MEAN LOW WATER

LORAN-A
GENERAL EXPLANATION

FREQUENCY CHANNELS (preceding H) ..... 1900 kHz
BASIC PULSE RECURRENCE RATES
H (high) ..... 33.1 pulses per second
SPECIFIC RECURRENCE RATES assigned for station identification (following H)
0, 1, 2

EXAMPLE: 3H4

RATES ON THIS CHART
1H7 3H4 3H5

CAUTION
Skywaves should not be used in determining loran lines of position on this chart.

SEA LANES
The sea lanes depicted on this chart are RECOMMENDED routes for vessels traveling between the ports shown. They have been designed to aid in the prevention of collisions at the approaches to the ports shown. They do not, in any way, lessen, or alter, the applicable rules of the road. Separation zones are intended to separate sea lanes and to be free of ship traffic and should not be used by navigation except in emergency. When crossing sea lanes and separation zones, use extreme caution.

The Nantucket to Ambrose Sea Lane coincides with the route normally followed by vessels traffic, including passenger vessels, bound for the Ambrose Sea Lane passes 12.8 miles north of the entrance point for passenger vessels and other vessels adhering to the North Atlantic Track Line Agreement this lane is not intended to alter the practice of those vessels.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See 1-5 Coast Guard Light List and U.S. Coast Pilot for details.

TIDAL INFORMATION

Place	Height referred to datum of soundings (MLW)			
	Mean High Water	Mean Tide Level	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Shinnecock Inlet	2.9	1.4	0.0	−2.0
Moriches Inlet	2.9	1.4	0.0	−2.0
Ocean Beach	3.3	1.6	0.0	−2.0

(574)

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

Lights (Lights are white unless otherwise indicated.)
F. fixed; Mo. (A) morse code; OBSC. obscured; Rot. rotating
Fl. flashing; Occ. occulting; WHIS. whistle; SEC. sector
Qk. quick; Alt. alternating; DIA. diaphone; m. minutes
Gp. group; Qk. interrupted quick; M. nautical miles; sec. seconds
I. int. equal interval

Buoys: T.B. temporary buoy; N. nun; B. black; Or. orange; W. white; C. can; S. spar; R. red; G. green; Y. yellow

Bottom characteristics:
Cl. clay; M. mud; hrd. hard; bk. black; gy. gray
Co. coral; Rk. rock; rky. rocky; br. brown; rd. red
G. gravel; S. sand; sft. soft; bu. blue; wh. white
Grs. grass; Sh. shells; stk. sticky; gn. green; yl. yellow

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

AERO. aeronautical; R. Bn. radiobeacon; C. G. Coast Guard station
Bn. daybeacon; R. TR. radio tower; D.F.S. distance finding station

AUTH. authorized; Obstr. obstruction; P.A. position approximate; E.D. existence doubtful

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Survey (formerly the Coast and Geodetic 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.

NEW CHART NUMBERING SYSTEM
The National Ocean Survey, in cooperation with the Defense Mapping Agency Hydrographic Center, is in the process of adopting a new national chart numbering system. See Notice to Mariners No. 19, May 11, 1974, or Nautical Chart Catalog for cross references of old and new chart numbers.

Chart Number

New System	Old System
12352	120-SC
12353	1214
12358	363

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.

VHF WEATHER BROADCASTS FOR MARINERS
FM Station with frequency of 162.55 megahertz and range approximately 40 miles, is in continuous operation 24 hours daily broadcasting weather warnings, forecasts and reports from the NATIONAL WEATHER SERVICE Office as follows:
KWO-35 New York, New York.

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

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 Hydrographic Center Publication 117 (A&B).
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)

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

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY ..... 100kHz.
PULSE REPETITION INTERVAL
9930 ..... 99.300 Microseconds
STATION TYPE DESIGNATORS (Not individual station letter designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 9930-X

RATES ON THIS CHART
*9930-X 9930-Y 9930-Z

This chart has been prepared for use with ground wave signals. Sky wave corrections are not provided. The Loran-C lines of position on this chart are compensated for propagation delay.
*Group repetition interval 9930 was formerly designated SS7.

LONG ISLAND SOUND (see chart 12364)
GREAT PECONIC BAY (see chart 12358)
GREAT SOUTH BAY
BELLPORT BAY
MORICHES BAY
SHINNECOCK BAY
Fire Islands
ATLANTIC OCEAN
NANTUCKET TO AMBROSE TRAFFIC LANE
AMBROSE TO NANTUCKET TRAFFIC LANE
SEPARATION ZONE
LORAN LINEAR INTERPOLATOR

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

Nautical Miles
Yards

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

SOUNDINGS IN FEET

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

(Shinnecock Light to Fire Island Light)
SOUNDINGS IN FEET - SCALE 1:80,000

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