12353 LORAN-C OVERPRINTED

UNITED STATES — EAST COAST
NEW YORK

SHINNECOCK LIGHT TO FIRE ISLAND LIGHT

Mercator Projection
Scale 1:80,000 at Lat. 40°39'
North American Datum of 1983 (World Geodetic System 1984)
SOUNDINGS IN FEET AT MEAN LOWER LOW WATER

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 0.35" northward and 1.638" 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 Local Notice to Mariners. Copies of 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.

TRAFFIC LANES
The traffic lanes overprinted on this chart are RECOMMENDED for use by all vessels traveling between the points involved. They have been designed to aid in the prevention of collisions at the approaches to major harbors, but are not intended in any way to supersede the Rules of the Road or any other Rules of the Road. Separation zones are intended to separate traffic lanes and to be free of ship traffic, and should not be used except for crossing purposes. When crossing traffic lanes and buffer zones, use extreme caution.

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.

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).

TIDAL INFORMATION

Place Name	(LAT,O,GMO)	Mean High Water feet	Mean High Water feet	Mean Low Water feet	Extreme Low Water feet
Shinnecock Inlet (Eastjetty)	(40°50'N,72°28'W)	3.2	3.0	0.1	-2.0
Montauk Inlet	(40°46'N,72°40'W)	3.2	3.0	0.1	-2.0
Fire Island Coast Guard Station	(40°37'N,73°15'W)	2.1	2.0	0.1	-2.0

(3GD)

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; Bn beacon; Bn tripod; C can; DIA diaphone; E int equal interval (lab); F fixed; Fl flashing; G green; Gp Fl(2) grouped flash; Gp Q(3) grouped quick; Iso isophase; E int; LT HO lighthouse; M nautical mile; m minutes; MICRO Tk microwave tower; Mo(A) morse; Oc occulting; O orange; Q quick; R red; Ra Reflector reflector; R Bn radiobeacon; Mo morse code; R Tk radio tower; Ro rotating; Sec seconds; SEC electric; St M statute miles; VQ very quick; W white; Y yellow.
Bottom characteristics:
Bld boulders; bn broken; Cy clay; Co coral; gy gray; h hard; Gm green; M mud; Ox oysters; so soft; Rk rock; S sand; Sh shells; sy sticky.
Miscellaneous:
AUTH authorized; ED existence doubtful; PA position approximate; PD position doubtful; Subm submerged; Obstr obstruction, or shoal with depth over 6 fathoms; Wk wreck; Rks Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus ——— ———

HEIGHTS
Heights in feet above Mean High Water.

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

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

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.

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
New London, Conn. KHB-47 162.55 MHz
Riverhead, N.Y. WXM-53 162.475 MHz

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 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)

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
9960 ..... 99,600 Microseconds
STATION TYPE DESIGNATORS: (Not individual station identifier designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 9960-X

RATES ON THIS CHART
9960-W 9960-X 9960-Y 9960-Z

Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position overprinted have been calculated based on theoretically derived conditions of propagation and may, in some areas, not been verified by comparison with survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

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 X
The 12-nautical-mile territorial sea was established by Presidential Proclamation 5928, December 27, 1988, and is also the outer limit of the U.S. contiguous zone for the application of domestic law. The 3-nautical-mile line, previously identified as the outer limit of the territorial sea, is retained because the proclamation states that it does not alter existing State or Federal law. The 3-nautical-mile natural resources boundary of Texas, the Gulf coast of Florida, and Puerto Rico, and the 3-nautical-mile line elsewhere remain the inner boundary of the Federal fisheries jurisdiction and the limit of states' jurisdiction under the Submerged Lands Act (P.L. 83-31; 67 Stat. 29, March 22, 1953). These maritime limits are subject to modification, as represented on future charts. The lines shown on the most recent chart edition take precedence.

LORAN LINEAR INTERPOLATOR
MICROSECONDS 100 80 60 40 20 0

LORAN LINEAR INTERPOLATOR
MICROSECONDS 100 80 60 50 40 30 20 10 0

SAFETY FAIRWAY
166.500 (see note A)

NANTUCKET TO AMBROSE TRAFFIC LANE

AMBROSE TO NANTUCKET TRAFFIC LANE

SEPARATION ZONE

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

17th Ed. June 13/92 ■
12353
LORAN-C OVERPRINTED

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.

Nautical Miles 1 0 1 2 3 4 5 6
Yards 1000 0 1000 2000 3000 4000 5000 6000

SOUNDINGS IN FEET

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 Director, Coast and Geodetic Survey (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST AND GEODETIC 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 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

12353
LORAN-C OVERPRINTED

LITIGATION/COPY