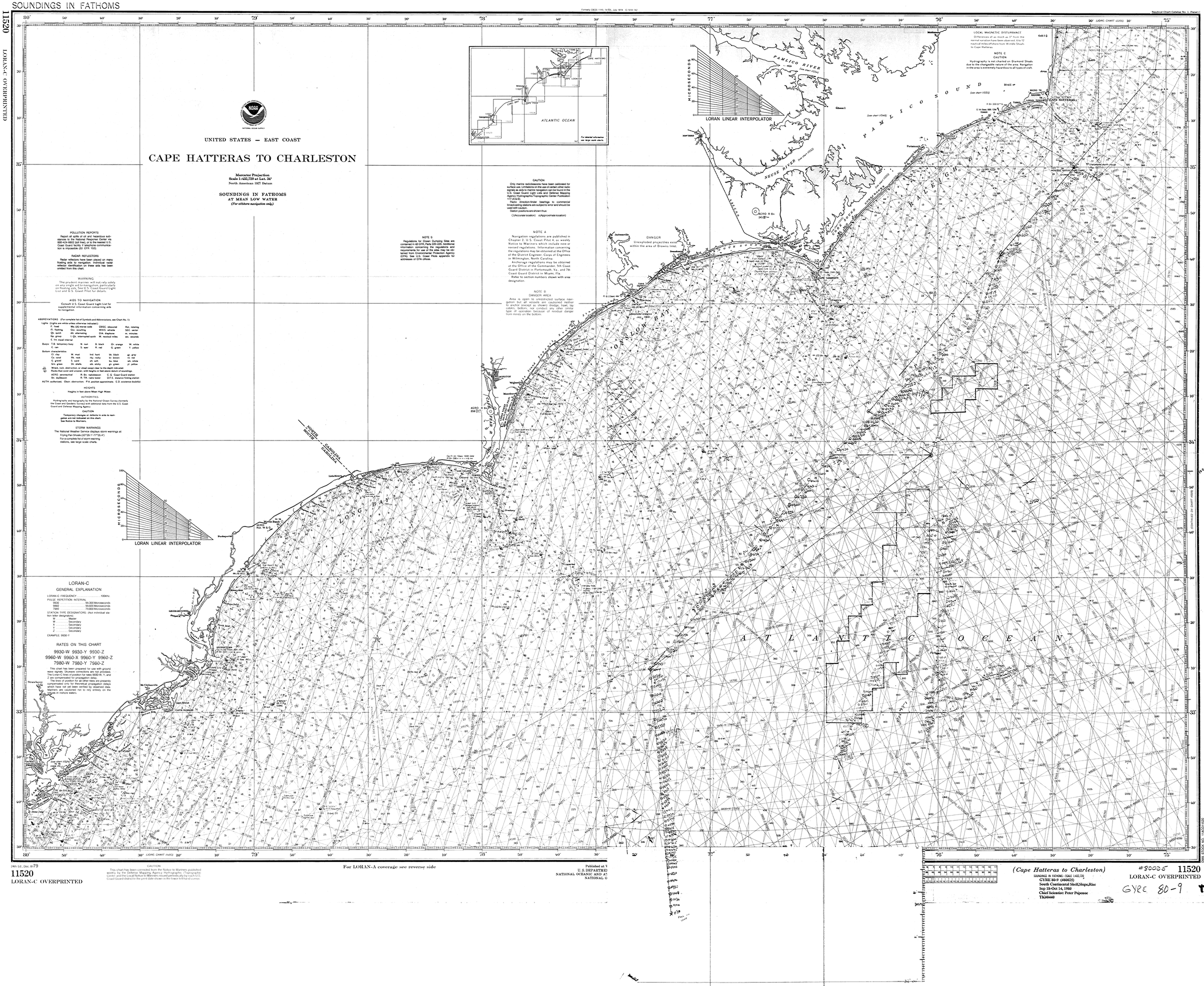
SOUNDINGS IN FATHOMS

Formerly CAGS 1110, 1st Ed., July 1974 - C-1974-147

11520 LORAN-C OVERPRINTED


UNITED STATES — EAST COAST
CAPE HATTERAS TO CHARLESTON
Mercator Projection
Scale 1:420,720 at Lat. 34°
North American 1927 Datum
SOUNDINGS IN FATHOMS
AT MEAN LOW WATER
(For offshore navigation only)
ATLANTIC OCEAN
CAPE HATTERAS
CAPE LOOKOUT
CAPE FEAR
GEORGETOWN
CHARLESTON
For detailed information see large scale charts.
LORAN LINEAR INTERPOLATOR
MICROSECONDS
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).
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.
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.
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)
Lights (Lights are white unless otherwise indicated.)
F. fixed
Fl. flashing
Qk. quick
Gp. group
C. int. equal interval
Mo. (A) morse code
Occ. occulting
Alt. alternating
Q + Qk. interrupted quick
ORSC. obscured
WHIS. whistle
DIA. diaphone
M. nautical miles
Pat. rotating
SEC. sector
m. minutes
sec. seconds
Buoys T.B. temporary buoy
C. can
N. nun
S. spar
B. black
R. red
Or. orange
G. green
W. white
Y. yellow
Bottom characteristics
Cl. clay
Co. coral
G. gravel
Grs. grass
M. mud
Rk. rock
S. sand
Sh. shells
frd. hard
rky. rocky
sft. soft
stk. sticky
bk. black
br. brown
bu. blue
gn. green
gy. gray
rd. red
wh. white
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
Bn. daybeacon
R. Bn. radiobeacon
R. TR. radio tower
C. G. Coast Guard station
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 U.S. Coast Guard and Defense Mapping Agency.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
STORM WARNINGS
The National Weather Service displays storm warnings at:
Frying Pan Shoals (33°29.1'-77°25.4')
For a complete list of storm warning stations, see large scale charts.
LORAN-C
GENERAL EXPLANATION
LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
9930 ..... 99,300 Microseconds
9960 ..... 99,600 Microseconds
7980 ..... 79,800 Microseconds
STATION TYPE DESIGNATORS: (Not individual station designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 9930-Y
RATES ON THIS CHART
9930-W 9930-Y 9930-Z
9960-W 9960-X 9960-Y 9960-Z
7980-W 7980-Y 7980-Z
This chart has been prepared to use with ground wave propagation corrections for the 9930 chain. The Loran-C lines of position for rates 9930-W, Y, and Z are compensated for propagation delay.
The lines of position for all other rates are presently compensated only for theoretical propagation delays which have not yet been verified by observed data. Mariners are cautioned not to rely entirely on the lines in inshore waters.
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/Topographic 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)
NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information regarding EPA ocean dumping site requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.
NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4, or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the District Engineer, Corps of Engineers in Wilmington, North Carolina.
Anchorage regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Va., and 7th Coast Guard District in Miami, Fla.
Refer to section numbers shown with area designation.
NOTE B
DANGER AREA
Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor (except as shown) dredge, trawl, lay cables, bottom, nor conduct any other similar type of operation because of residual danger from mines on the bottom.
DANGER
Unexploded projectiles exist within the area of Browns Inlet.
LOCAL MAGNETIC DISTURBANCE
Differences of as much as 5° from the normal variation have been observed, 6 to 12 nautical miles offshore from Wrightsville Shoals to Cape Hatteras.
NOTE C
CAUTION
Hydrography is not charted on Diamond Shoals due to the changeable nature of the area. Navigation in the area is extremely hazardous to all types of craft.
LORAN LINEAR INTERPOLATOR
MICROSECONDS
PAMLICO RIVER
PAMLICO SOUND
NEUSE RIVER
CAPE HATTERAS
BOGUE SOUND
BOGUE INLET
BEAUFORT
MOREHEAD CITY
NORTH CAROLINA
SOUTH CAROLINA
LONG BAY
ATLANTIC OCEAN
RALEIGH BAY
CAPE LOOKOUT
CAPE FEAR
GEORGETOWN
CHARLESTON
Myrtle Beach
Little River
Murrells Inlet
Pawleys Island
Winyah Bay
Bulls Bay
Isle of Palms
Sullivans Island
Folly Island
Capers Island
Dewees Island
Breach Inlet
Charleston Harbor
Fort Sumter
Fort Moultrie
Castle Pinckney
Shutes Folly Island
Morris Island
Light
Fl R 2.5sec 46ft
Fl G 2.5sec 46ft
Fl(2) G 6sec 46ft
Fl(3) G 12sec 46ft
Fl(4) G 15sec 46ft
Fl(5) G 20sec 46ft
Fl(6) G 30sec 46ft
Fl(7) G 40sec 46ft
Fl(8) G 50sec 46ft
Fl(9) G 60sec 46ft
Fl(10) G 70sec 46ft
Fl(11) G 80sec 46ft
Fl(12) G 90sec 46ft
Fl(13) G 100sec 46ft
Fl(14) G 110sec 46ft