SOUNDINGS IN FATHOMS

11450

LORAN-C OVERPRINTED

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, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black pot hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

1st Ed., June 1983

Nautical Chart Catalog No. 1, Panels Q, R

CONTINUED ON CHART 11466

UNITED STATES – EAST COAST

FLORIDA KEYS

FOWEY ROCKS TO AMERICAN SHOAL

(Use the larger scale charts inside the five fathom curve)

Mercator Projection
Scale 1:180,000 at Lat. 24°50'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOW WATER and
AT MEAN LOWER LOW WATER

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
Key West, Fla. WXJ-95 162.40 MHz

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.

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).

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)

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.)

Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical
Alt alternating
Bl black
Bn beacon
C con
DIA diaphone
E Int equal interval (ISO)
F fixed
Fl flashing
G green
Gp group
I Qk interrupted quick
ISO isophase (E Int)
L H fo lighthouse
M nautical mile
m minutes
Micro Tr microwave tower
Mkr marker
Mo morse code
N nun
OBSC obscured
Occ occulting
Or orange
Qk quick
R red
Ra Ref radar reflector
R Bn radiobeacon
R Tr radio tower
Rot rotating
sec seconds
SEC sector
St M statute miles
W white
WHS whistle
Y yellow

Bottom characteristics:
bk black
Blds boulders
brk broken
Cl clay
Co coral
G gravel
Grs grass
hrd hard
M mud
Oys oysters
Rk rock
S sand
sft soft
Sh shells
stk sticky

Miscellaneous:
AUTH authorized
ED existence doubtful
Obstr obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged
(1) 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.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard and Defense Mapping Agency Hydrographic/Topographic Center.

STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
American Shoal (24°32'-81°31')
Windley Key (24°56.5'-80°36.4')
Islamorada (24°57.1'-80°35.2')
Flamingo (25°08.4'-80°55.4')

CAUTION
Temporary defects in aids to navigation are not indicated on this chart except where a buoy replaces a fixed aid. See Notice to Mariners.

* NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4 & 5, on 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 Jacksonville, Florida.
Anchorage regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida.
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, dredge, trawl, lay cables, bottom, nor conduct any other similar type of operation because of the residual danger from mines on the bottom.

NOTE C
EVERGLADES NATIONAL PARK
PROTECTED AREA: 36 CFR 745
The killing, collecting, or molesting of animals, the collecting of plants, and water-skiing are prohibited by Federal Regulations.

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and 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.

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.

NOTE D
(protected area: 15 CFR 929)
The following activities are prohibited within Key Largo National Marine Sanctuary:
Damaging or removing coral;
Anchoring on coral;
Spearfishing;
Removing historical artifacts.
The "Divers Down" flag must be displayed during diving activities. Refer to 15 CFR 929 for details of sanctuary regulations.

NOTE E
(protected area: 15 CFR 937)
The following activities are prohibited within Looe Key National Marine Sanctuary:
Damaging or removing coral;
Anchoring on coral;
Spearfishing;
Removing historical artifacts;
Lobstering by trap in fore reef area.
The "Divers Down" flag must be displayed during diving activities. Refer to 15 CFR 937 for details of sanctuary regulations.

LORAN-C
GENERAL EXPLANATION
LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
7980 ..... 79,800 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators).
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 7980-X

RATES ON THIS CHART
7980–W 7980–X 7980-Y 7980-Z

The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by U.S. Coast Guard. Mariners, however, are cautioned not to rely solely on the fixes in inshore waters.

LORAN LINEAR INTERPOLATOR

CONTINUED ON CHART 11420

CONTINUED ON CHART 11013

CONTINUED ON CHART 11460

JONS CHART 11434

DMA STOCK NO. 1180CD11450

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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.

SOUNDINGS IN FATHOMS

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

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

Fowey Rocks to American Shoal
SOUNDINGS IN FATHOMS – SCALE 1:180,000

11450

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LITIGATION/COPY