NAUTICAL CHART 11472
INTRACOASTAL WATERWAY

FLORIDA
PALM SHORES TO WEST PALM BEACH

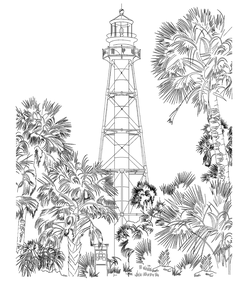


Chart 11472
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

Additional information can be obtained at nauticalcharts.noaa.gov.

HURRICANES AND TROPICAL STORMS

Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored craft. Vessels should be secured or moved to safe havens.

Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed, floating aids may be adrift or charted in incorrect positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation or other navigation information (including electronic navigation) from charted locations. Pipelines may have become uncovered or displaced.

Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

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

ACKNOWLEDGMENT

The National Ocean Service acknowledges the assistance and cooperation of the District Commander of the Vero Beach Power Squadrons, District 8, and the Banana River Power Squadron, District 23 in the preparation of this publication by providing essential information for revising this chart.

RULES OF THE ROAD

(ABRIDGED)

Motorless craft have the right-of-way in almost all cases. Motorboats should keep clear of craft with less maneuver, by weight shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.

A motorboat being overtaken has the right-of-way. Motorboats approaching head to head or nearly so should keep to the right.

When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way in most cases.

Motorboats must keep to the right in narrow channels when safe and practicable.

Mariners are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

PUBLIC BOATING INSTRUCTION PROGRAMS

The United States Power Squadrons (USPS) and U.S. Coast Guard Auxiliary (USCGAUX), National Organizations of Boatmen, conduct extensive boating instructional courses and operate boat safety programs in the United States. For information regarding these educational courses, contact the following sources:

USPS - For Coast Guard District, Brickell Plaza Federal Building, 909 S.E. 1st Ave., Miami, FL 33131-3050, 305-530-5837 or USCG Headquarters (G-BAS), Washington, D.C. 20593-0001.

CAUTION

Survey platforms, spars, piers, pipes, and structures may be charted as they were maintained channels. Piles and platforms are not charted where they interfere with a light symbol.

WARNING

The prudent mariner will not rely solely on any navigation aid. Floating aids are moved off station, floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION: SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown.

Pipeline Area ..... Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Mariners engaged in dredging, anchoring, or any bottom disturbing activity are required to be buried, and those that were originally buried may have become exposed. Mariners are cautioned to exercise extreme caution when operating vessels in depths water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Vessels should not be moored to lighted or unlighted buoys.

CAUTION: WARNINGS CONCERNING LARGE VESSELS

The "Rules of the Road" state that recreational boats shall not impede the passage of a vessel that can navigate only within a narrow channel or fairway. Large vessels may be seen in the Intracoastal Waterway. Operators of these vessels (vessel at speeds in excess of 12 knots, requiring a great distance in which to maneuver or stop. A large vessel's wake is generally larger than that of a small boat. Small sailboats and sailboards may unexpectedly find themselves unable to maneuver. Bow and stern waves can be hazardous. Wake from large vessels may not be able to see small craft close to their bows.

RADAR REFLECTORS

Radar reflectors have been placed on many aids to navigation. The radar cross section (RCS) and reflector identification on these aids has been omitted from this chart.

CAUTION: BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open, the published horizontal clearances and vertical clearance is not available for the entire charted horizontal clearance.

ABBREVIATIONS

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

Aids to Navigation (lights are white unless otherwise indicated)

ABPO antennaction
Al alternating
B black
Bn beacon
C can
Dh daghesh
F fixed
H hazing
Bottom characteristics
Bk blackness
Bl bluness
Cl clay
Co coral
Gl gravel
Gn green
gr gray
M mud
Mv mollusc
Obstructions
Ob obstruction
Cy cistern
Ch channel
Dk dock
Dn dolphin
Fl flume
Fn fence
Gr groyne
Hb harbor
Hr harbor
Jty jetty
Lk lock
Mr marina
MONO 7ft minimum lower limit
Mr marina
Pn pen
Pt pier
Pl pipeline
Pn pen
Rf refinery
Rk rock
Rv river
Sl slip
Sp spring
Sw swim
Tk tank
Tr tower
Vl valve
Wr wreck
Wy weir
Y yard
Yt yacht
Ch channel
Cy cistern
Dk dock
Dn dolphin
Fl flume
Fn fence
Gr groyne
Hb harbor
Hr harbor
Jty jetty
Lk lock
Mr marina
Pn pen
Pt pier
Pl pipeline
Pn pen
Rf refinery
Rk rock
Rv river
Sl slip
Sp spring
Sw swim
Tk tank
Tr tower
Vl valve
Wr wreck
Wy weir
Y yard
Yt yacht
n. fr. radio tower
n. fr. tower
n. seconds
SEC sector
SECTORS sectorities
VC very quick
W white
WY weir
Y yellow
Y yellow

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.

CAUTION

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

ADD TO NAVIGATION

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

PLANE COORDINATE GRID

(based on NAD 1927)

Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals. The last three digits are omitted.

NOTE

Depths charted within inlets of Dunes Sites are from surveys prior to 1963.

NOTE 3

Regulations for the Intracoastal Waterway Sites are contained in 40 CFR, Parts 207.700 - 207.715. Additional information concerning the regulations and restrictions governing the use of the Intracoastal Waterway from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA and other agencies concerned. Some survey dates may have reduced the depths shown.

Pump-out facilities

MERCATOR PROJECTION AT SCALE 1:40,000

SOUNDINGS IN FEET AT MEAN LOWER LOW WATER
NORTH AMERICAN DATUM OF 1983
(WORLD GEODETIC SYSTEM 1984)

HEIGHTS

Heights in feet above Mean High Water.

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.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 4 for important supplemental information.

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency (NGA) and Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district for the dates shown in the lower left hand corner. Chart updates contained from Notice to Mariners publication for the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which is the datum currently adopted for all charts referred to the World Geodetic System 1984 (WGS 84). Geographic positions referenced to the North American Datum of 1983 must be corrected an average of 2.21" northwest and 0.60" eastward to agree with this chart.

INTRACOASTAL WATERWAY

Project Depths

12 feet Norfolk, VA to Fort Pierce, FL; 10 feet Fort Pierce, FL, to Miami, FL; 7 feet Miami, FL, to Caesar Creek, FL.

Consult the U.S. Army Corps of Engineers for current depths and U.S. Coast Guard Local Notice to Mariners for other navigation hazards or deficiencies.

Unchartered shoals may exist in areas which have not been recently surveyed. Please report shoals to navigation aids.

http://nauticalcharts.noaa.gov/staff/contact.html

Distances

The general Intracoastal Waterway is indicated by a magenta line. Mariners are advised to follow the aids to navigation and avoid charted shoals and obstructions.

Mileage distances shown along the Waterway are in Statute Miles, southeast from Norfolk, VA, and are based on the 1981 survey.

One Nautical Mile equals 1.15 Statute Miles.

Courses are TRUE and must be CORRECTED for any variation and compass deviation.

INTRACOASTAL WATERWAY AIDS

The U.S. Aids to Navigation System is designed for use in conjunction with the Intracoastal Waterway. Aids to navigation may not be in their precise assigned position or be extinguished.

Aids to navigation marking the Intracoastal Waterway exhibit unique yellow symbols to distinguish them from aids marking other waterways.

Aids marking the Intracoastal Waterway southward from Norfolk, VA to Cape Sable in Florida Bay, aids with yellow triangles should be kept on the starboard side of the vessel when proceeding; yellow squares should be kept on the port side of the vessel.

A horizontal yellow band provides no lateral information, but simply identifies aids to navigation as marking the Intracoastal Waterway.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION

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

ADD TO NAVIGATION

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

PLANE COORDINATE GRID

(based on NAD 1927)

Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals. The last three digits are omitted.

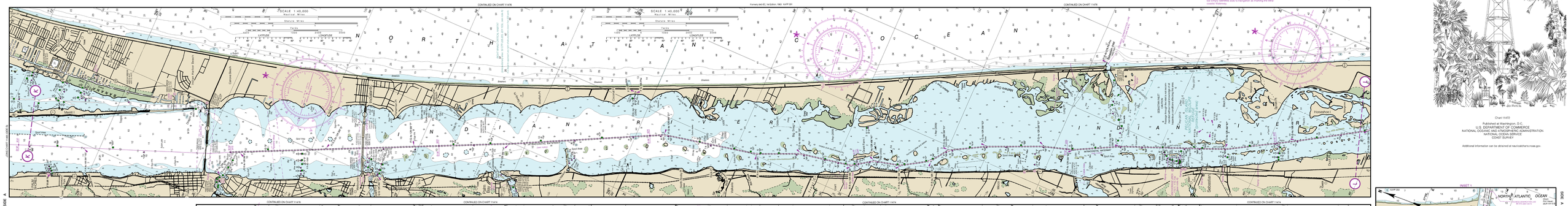
NOTE

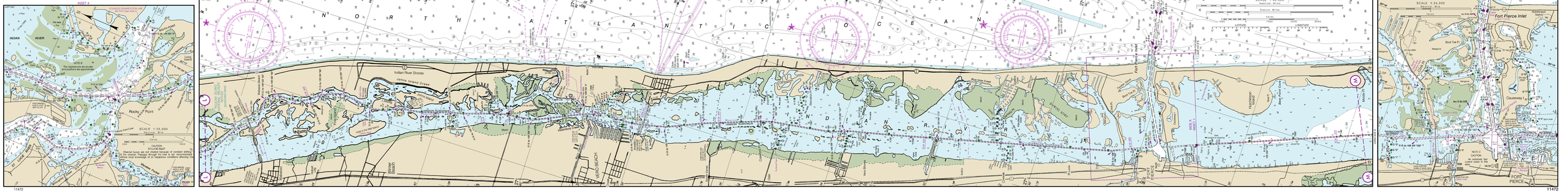
Depths charted within inlets of Dunes Sites are from surveys prior to 1963.

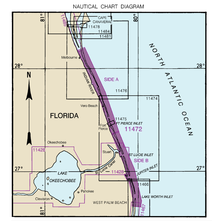
NOTE 3

Regulations for the Intracoastal Waterway Sites are contained in 40 CFR, Parts 207.700 - 207.715. Additional information concerning the regulations and restrictions governing the use of the Intracoastal Waterway from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA and other agencies concerned. Some survey dates may have reduced the depths shown.

Pump-out facilities







SAFETY HINTS

1. Keep your chart up to date by applying all Notices to Mariners corrections when you receive them.
2. Read carefully all notes printed on your chart, each time you use the chart.
3. Learning the meaning of each symbol and abbreviation on your chart from Chart No. 1.
4. The compass on your chart shows the variation from true north, however you must also correct your bearing for local deviation from magnetic.
5. Constantly use your chart from the beginning to end of each trip. Keep in mind the orientation of your boat with respect to the chart.
6. Maintain your position on the chart by relating charted features with those you can identify in your surroundings.

MARINE WEATHER FORECASTS
NATIONAL WEATHER SERVICE

CITY	TELEPHONE NUMBER	OFFICE HOURS
Melbourne, FL	*(321) 255-0372	8:00 AM-4:00 PM (Mon.-Fri.)
Miami, FL	(305) 229-4522	24 hours daily

*Recorded (24 hours daily)

WEATHER INFORMATION BY MARINE RADIOTELEPHONE

CITY	STATION	FREQUENCY	DAILY BROADCAST-EST	SPECIAL WARNING
Mequon, FL	Miami-10	[87]3 kHz 157.1 MHz	1:25 A.M. & P.M. 7:15 A.M. & 9:15 P.M.	-On Receipt -On Receipt
Miami, FL	NCF	2670 kHz	10:30 A.M. & P.M.	-On Receipt

*Preceded By Announcement on 2182 kHz/156.8 MHz

NOAA WEATHER RADIO BROADCASTS

CITY	STATION	FREQUENCY	BROADCAST TIMES
West Palm Beach, FL	KEC-60	162.415 MHz	24 Hours Daily
Fort Pierce, FL	WXF-69	162.425 MHz	24 Hours Daily
Melbourne, FL	WXJ-72	162.55 MHz	24 Hours Daily

CAUTION: BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open, the published horizontal clearances and vertical clearance is not available for the entire charted horizontal clearance.

WEATHER RULES FOR SAFE BOATING

Before setting out:

1. Check local weather and sea conditions.
2. Obtain the latest weather forecast for your area from radio broadcasts.

When warnings are in effect, don't go out unless you are confident your boat can be navigated safely under forecast conditions of wind and sea.

While afloat:

1. Keep a weather eye out for:
   A. A sudden vertical cumulus cloud development
   B. A sudden change in wind direction
   C. A sudden noticeable increase in wind velocity
   D. A drop in temperature
2. Be alert to heavy decks on your AM radio which may indicate approaching thunderstorms
3. Check radio weather broadcasts for latest forecasts and warnings

Thunderclouds, often occur on warm, moist afternoons and are a great hazard to the mariner. They can have winds gusts up to 80 mph and hit without warning. To survive is equal, you must prevent being capsized or blown to leeward into danger.

NOTE 1

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, dated December 27, 1988, the Navigation Rules (Inland and International) apply. Outside that limit of the territorial sea, is referred as 6 nautical miles to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three-Nautical-Mile-Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the Exclusive Economic Zone (EEZ) for the purpose of marking the boundary between the Area Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty at the U.S. Supreme Court, these maritime limits are subject to modification.

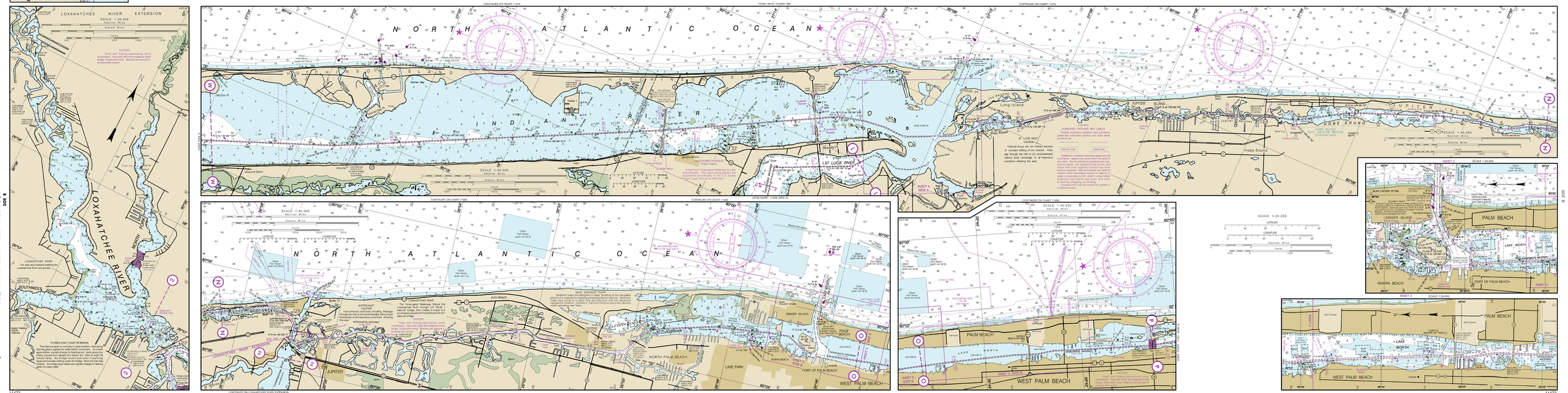
TIDAL INFORMATION

PLACE	Range (in feet) referred to datum of sounding (MLLW)			
NAME	LATITUDE	LONGITUDE	Mean High Water	Mean Low Water
Jupiter	27° 00.7'N	080° 05.8'W	3.4	0.0
Vero Beach	27° 42.0'N	080° 21.9'W	0.9	0.6
Fort Pierce, Indian River	27° 27.8'N	080° 18.8'W	3.6	0.0
Fort Pierce Inlet, South Jetty	27° 28.7'N	080° 17.9'W	3.6	0.2
Stokes Dock	27° 28.1'N	080° 17.9'W	2.2	0.0
Fort Pierce, Indian River	27° 27.8'N	080° 18.8'W	3.6	0.0
Arivica	27° 21.0'N	080° 16.7'W	3.5	0.0
Seminole Shores	27° 11.5'N	080° 09.1'W	3.3	0.0
Jensen Beach	27° 14.8'N	080° 14.8'W	3.4	0.0
Indian Sound Bridge	27° 09.8'N	080° 11.7'W	3.3	0.0
Stuart, Indian River Bridge	27° 12.0'N	080° 15.2'W	3.3	0.0
FDR Boulevard Bridge	26° 52.2'N	080° 04.7'W	3.0	0.0
Palm City, Locks	27° 09.0'N	080° 17.0'W	3.3	0.0
Lake Worth Pier	26° 46.7'N	080° 02.1'W	2.8	0.1
Lake Worth Intracoastal Waterway	26° 36.4'N	080° 02.8'W	3.1	0.0

Datum = Vertical datum used for reporting water elevation. Range = Difference between mean water levels, spring/neap tides and lower/higher low water. Tide and current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center, (800) 424-8802. Report spills also to the U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).



FLORIDA EAST COAST IW-BRIDGE

The bascule span is normally in open position, displaying green lights to vessels approaching from either direction. As a vessel approaches, signals change to flashing red, alternate four blasts, pauses and repeats four blasts, etc. After an eight (8) minute delay, the bridge tender will close the span if no equipment vessels nothing under the bridge. When the span has cleared, the bridge span raises and signals change to flashing green for water traffic.

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This chart is canceled. No new editions will be issued.

(Rfa 62, Dun 2916) Large corrections: 05/05/2018. Cleared through:
Notice to Mariners Weekly Edition 18-19
To ensure that this chart was printed at the proper scale, the line below should measure on inches (10) millimeters:

11472