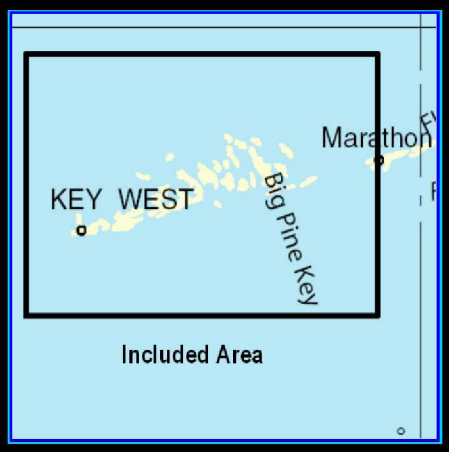
BookletChart™

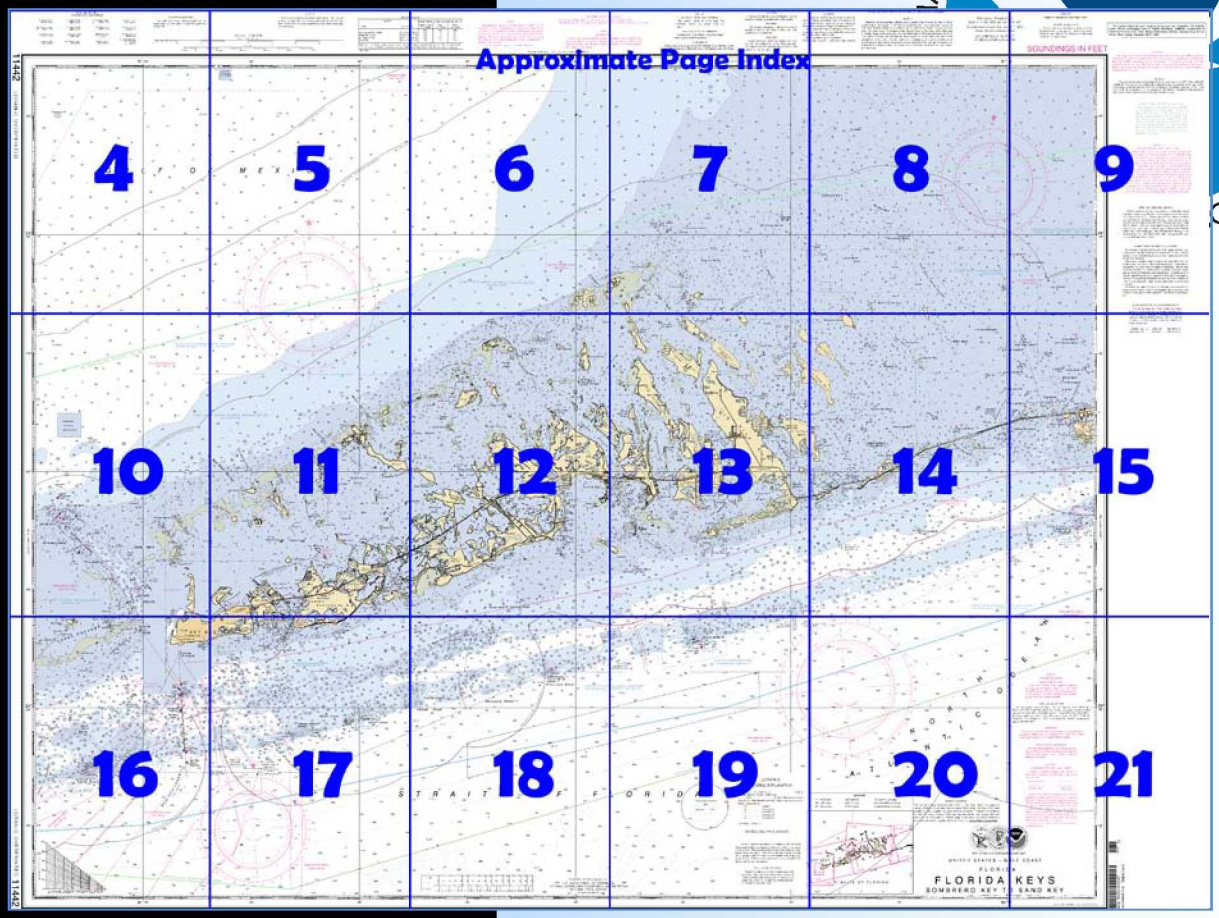
Florida Keys - Sombrero Key to Sand Key

(NOAA Chart 11442)



A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☑ Complete, reduced scale nautical chart
- ☑ Print at home for free
- ☑ Convenient size
- ☑ Up to date with all Notices to Mariners
- ☑ United States Coast Pilot excerpts
- ☑ Compiled by NOAA, the nation's chartmaker.



Home Edition (not for sale)

Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
301-713-2770

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

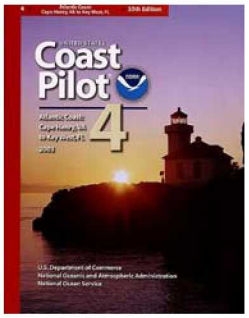
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 4, Chapter 11 excerpts]

(31) **Great White Heron National Wildlife Refuge** and **National Key Deer Refuge**extend through the northern part of the keys from near Vaca Key to Key West.
(99) **Looe Key Management Area (Looe Key National Marine Sanctuary)** has been established to protect and preserve the coral reef ecosystem and other natural resources of the waters surrounding **Looe Key,** 6 miles south-southeast of Summerland Key.
(100) **Kemp Channel,** about 2 miles westward of Niles Channel, is between Summerland Key to the east and Cudjoe Key to the west. This channel is highly used by local boaters. A reported controlling depth of 3 feet was in the entrance, and 5 feet was in the channel. The channel is marked by daybeacons to the highway bridge. Strangers should seek local knowledge before transiting this area.

[Coast Pilot, Chapter 12 excerpts]

(659) The northern alternate route of the Intracoastal Waterway leads northwestward from Bahia Honda through **Big Spanish Channel** to Harbor Key Bank, thence along the north side of the Florida Keys to Northwest Channel, thence to Key West. The controlling depth for this route was 2 feet. Numerous submerged pilings are also in this channel. Local knowledge is advised.
(660) At **Mile 1214.2A,** the waterway passes through a crooked channel marked by daybeacons southwest of **Big Spanish Key.** Caution should be exercised in this shoal area. Northward of the key the color of the water is a good indication of the channel location.
(661) At **Harbor Key Bank Light 45, Mile 1218.3A,** the waterway enters the Gulf of Mexico, turns westward and follows a course of **246**° for about 28 miles to the lighted bell buoy at the entrance to **Northwest Channel, Mile 1251.1A.** A course closer to the Florida Keys should not be attempted because the landmarks are difficult to identify and the bottom inside the 18-foot contour rises abruptly.
(663) The recommended routes to Key West are via Hawk Channel or through Big Spanish Channel; these routes have been described earlier.

[Coast Pilot 5, Chapter 4 excerpts]

(142) **Moser Channel** affords passage between the keys from the Gulf of Mexico to Hawk Channel for vessels of 7 to 8 feet in draft. The swing span of Seven Mile Bridge across Moser Channel has been removed; however, the bridge piers remain. The highway bridge south of the former swing span has a clearance of 65 feet.
(143) The tidal current at the Moser Channel bridge floods NNW with an average velocity of 1.4 knots and ebbs SSE with an average velocity of 1.8 knots. Wind effects modify considerably the current velocities and directions.
(144) **Florida Bay,** a triangular-shaped body of water between the Florida Keys and the S coast of the mainland, extends in a general E-W direction from Shell and Bogie Keys to Cape Sable. Depths are shallow and irregular; the bottom is mostly mud. From April to October the waters of the bay are clear and the shoals plainly discernible, but during the winter the water frequently turns milky and renders the shoals indistinguishable.
(145) In the E part of the bay are small keys and numerous mudflats which bare, or nearly bare, at low water. The W part of the bay has depths ranging from 7 to 13 feet, and the bottom is covered with loggerhead sponges and turtle grass.
(146) A protected area of the **Everglades National Park** is in the northern part of Florida Bay.
(147) For the protection of wildlife, all keys in the Florida Bay portion of Everglades National Park are closed to landing except those marked as designated camping areas. The killing, collecting, or molesting of animals, the collecting of plants, and waterskiing are prohibited by Federal Regulation.
(148) **Manatees.** Regulated **speed zones** for the protection of manatees are posted throughout the Everglades National Park.

Table of Selected Chart Notes

Corrected through NM Jan. 19/08
Corrected through LNM Jan. 15/08

HEIGHTS

Heights in feet above Mean High Water.

NOTE B

KEY WEST - MAIN SHIP CHANNEL

The project depth is 34-30 feet. For controlling depths use charts 11441 and 11447.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilots 4 and 5 for important supplemental information.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area *Cable Area*

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

NOTE G

PROHIBITED AREAS

(Areas to be avoided)

Under the Florida Keys National Marine Sanctuary and Protection Act, Pub. L. 101-605 and IMO advisory SN/Circ. 145, these areas are to be avoided by tank vessels and vessels greater than 50 meters in length.

CAUTION

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

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence 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) o(Approximate location)

INTRACOASTAL WATERWAY

The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners. See charts 11445, 11448, 11449 for detailed information.

CAUTION

Overhead power cables run parallel to Highway No. 1 from Marathon to East Rockland Key. All clearances are greater than those of the adjacent fixed bridges.

CAUTION

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

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Teatable Key, FL	WWG-60	162.45 MHz
Key West, FL	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 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

AIDS TO NAVIGATION

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

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 A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4 & 5 . Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.

Refer to charted regulation section numbers.

NOTE E

Extensive shoaling has been reported in the marked channel through the keys from Big Spanish Channel to Key West. Mariners should use local knowledge when navigating this waterway.

HURRICANES AND TROPICAL STORMS

Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations.

Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.

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.

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

Loran-C correction tables published by the National Geospatial-Intelligence 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 the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

All Florida State waters within the Florida Keys National Marine Sanctuary are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.

AUTHORITIES

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

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 1.517" northward and 0.692" eastward to agree with this chart.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Consult larger scale charts for survey information in areas outlined in magenta. Refer to Chapter 1, United States Coast Pilot.

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues 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 jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

CAUTION

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

COLREGS, 80.740 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

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 the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

U. S. HIGHWAY NO 1
FIXED BRIDGE CLEARANCES

"A" HOR CL 67 FT VERT CL 15 FT	"P" HOR CL 89 FT VERT CL 15 FT	"Q" "R" HOR CL 78 FT "O" VERT CL 8 FT	"S" HOR CL 78 FT VERT CL 9 FT
"B" "C" HOR CL 14 FT "P" VERT CL 7 FT	"G" HOR CL 93 FT VERT CL 40 FT	"L" HOR CL 15 FT VERT CL 5 FT	"T" HOR CL 15 FT VERT CL 5 FT
"D" HOR CL 35 FT VERT CL 11 FT	"K" HOR CL 25 FT VERT CL 8 FT	"M" HOR CL 16 FT VERT CL 7 FT	"U" HOR CL 78 FT VERT CL 8 FT
"E" HOR CL 89 FT VERT CL 9 FT	"H" "J" HOR CL 24 FT VERT CL 8 FT	"N" HOR CL 58 FT VERT CL 20 FT	"V" 2 FIXED BRIDGES HOR CL 36 FT VERT CL 9 FT

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 Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910 - 3282.

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Boot Key Harbor bridge	(24°42'N/081°06'W)	2.0	1.8	0.2
Bahia Honda Key	(24°39'N/081°17'W)	1.5	1.3	0.1
Big Spanish Key	(24°47'N/081°25'W)	3.3	3.0	0.4
Key West	(24°33'N/081°47'W)	1.9	1.6	0.2

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(Jan 2008)

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AIDS TO NAVIGATION

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

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SCALE 1:80,000
Nautical Miles
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Yards
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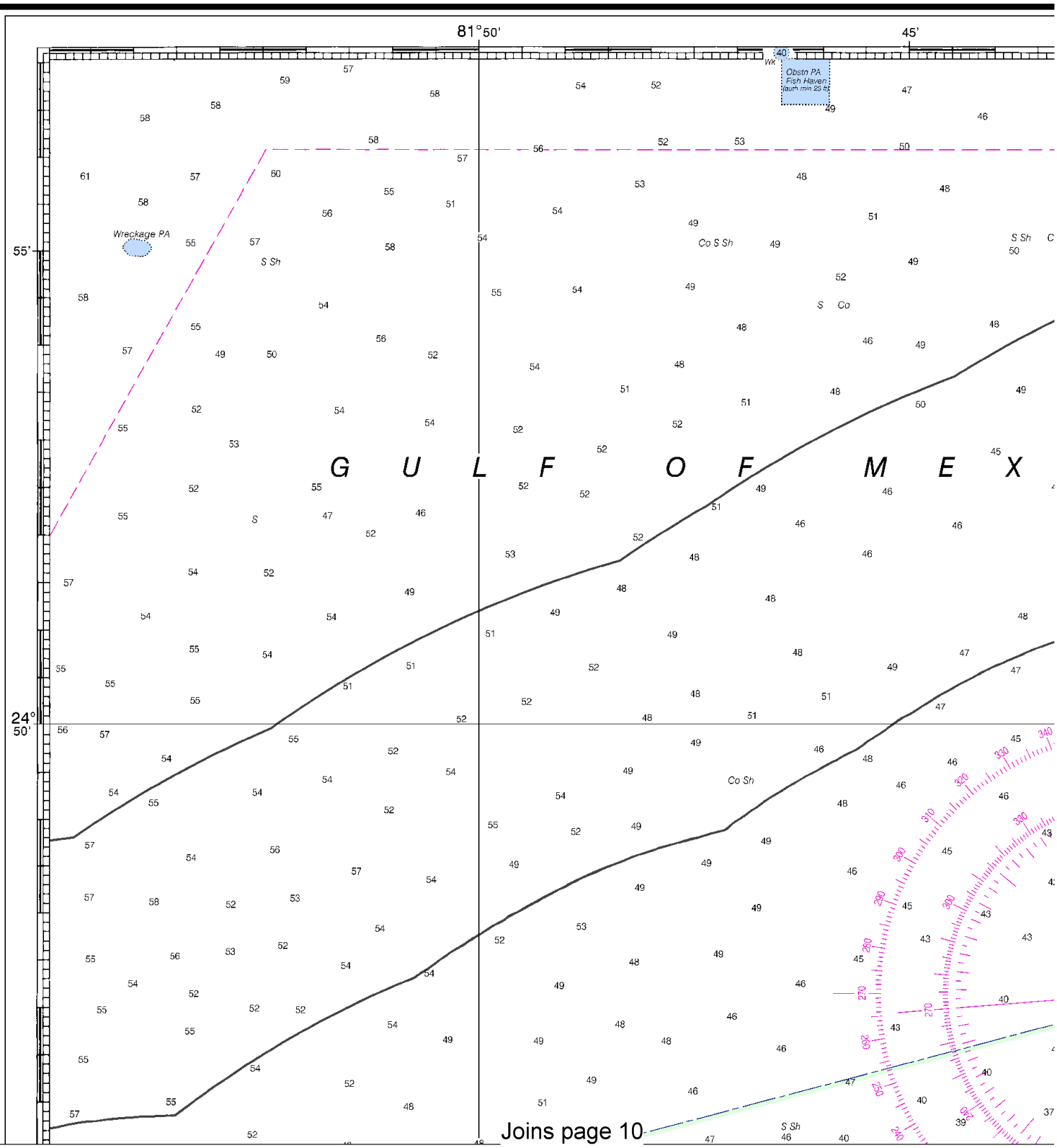

4

North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

Nautical Miles
1 0 1 2 3 4 5 6 7
Yards
1000 0 2000 4000 6000 8000 10000

NOTE E

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5 6 7

8000 10000

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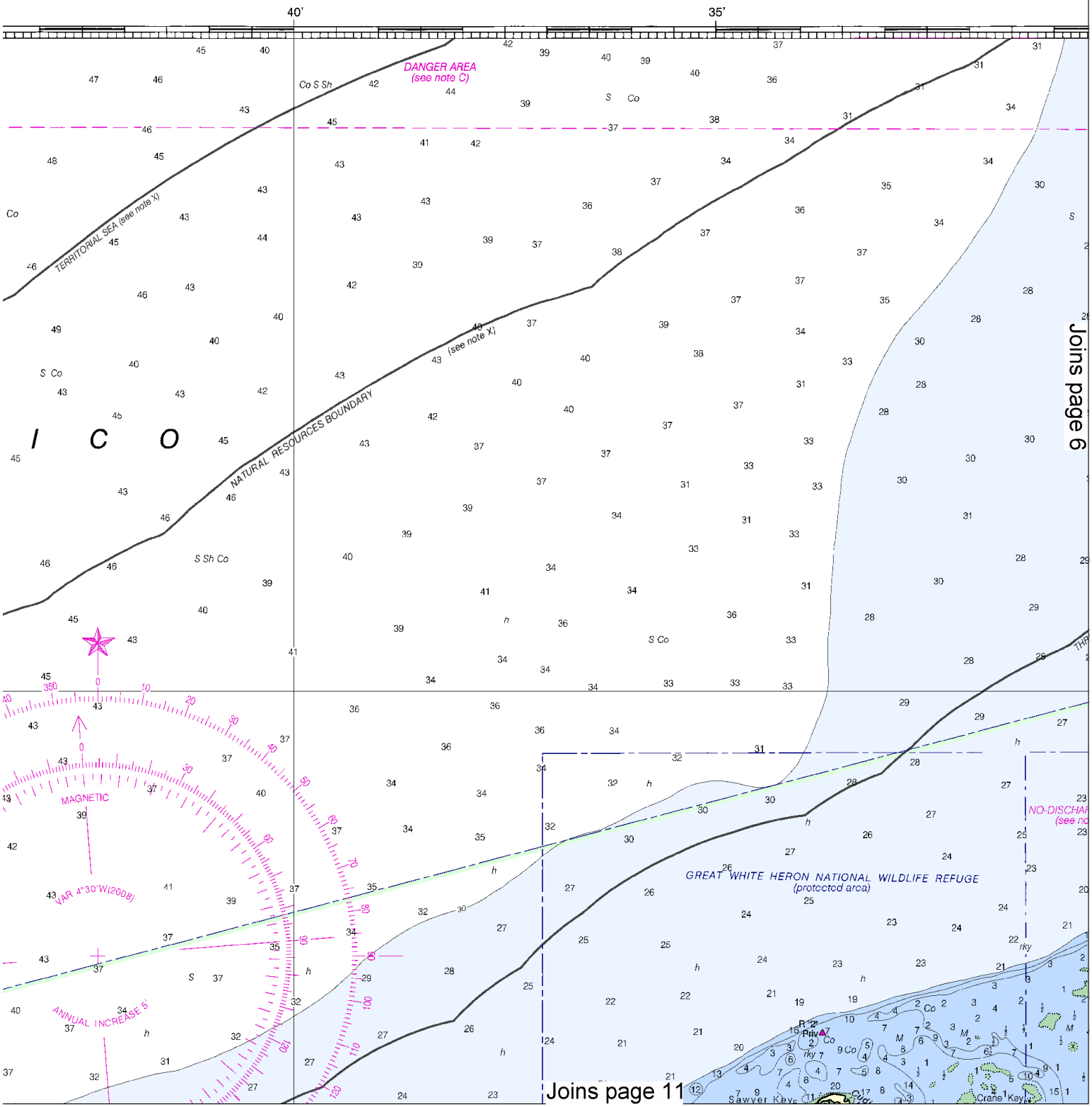
Formerly C & GS 1251, 1st Ed., June



This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:106667. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

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COLREGS, 80.740 (se
International Regulations for Preventing Collis
The entire area of this chart falls seaward of t

NOTE C
DANGER AREA

Area is open to unrestricted surface na
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conduct any other similar type of operation
from mines on the bottom.

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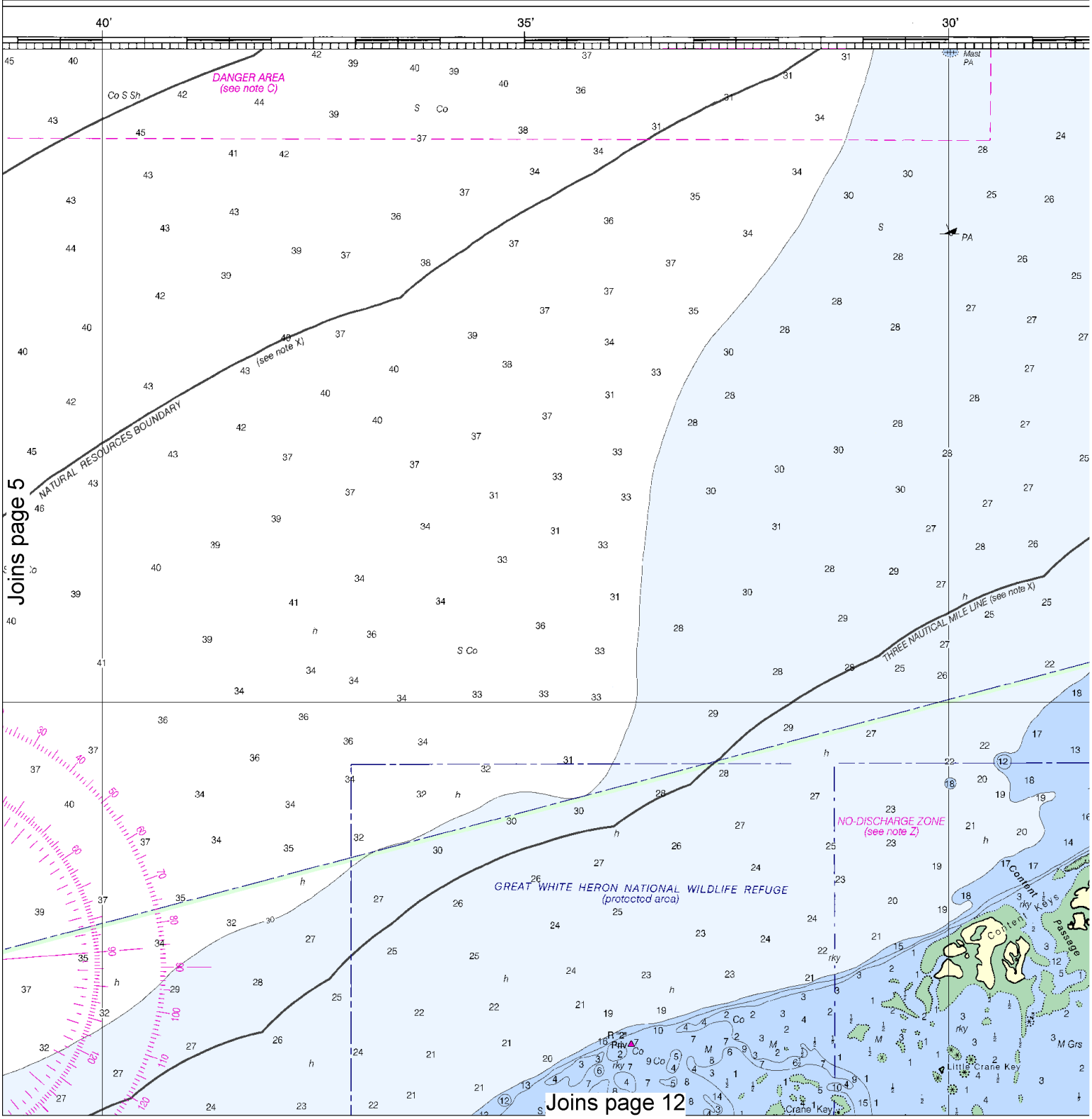

6

North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

1000 0 2000 4000 6000 8000 10000

see note A)
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on because of residual danger

NOTE B

KEY WEST - MAIN SHIP CHANNEL

The project depth is 34-30 feet. For controlling depths use charts 11441 and 11447.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilots 4 and 5 for important supplemental information.

AUTHORITIES

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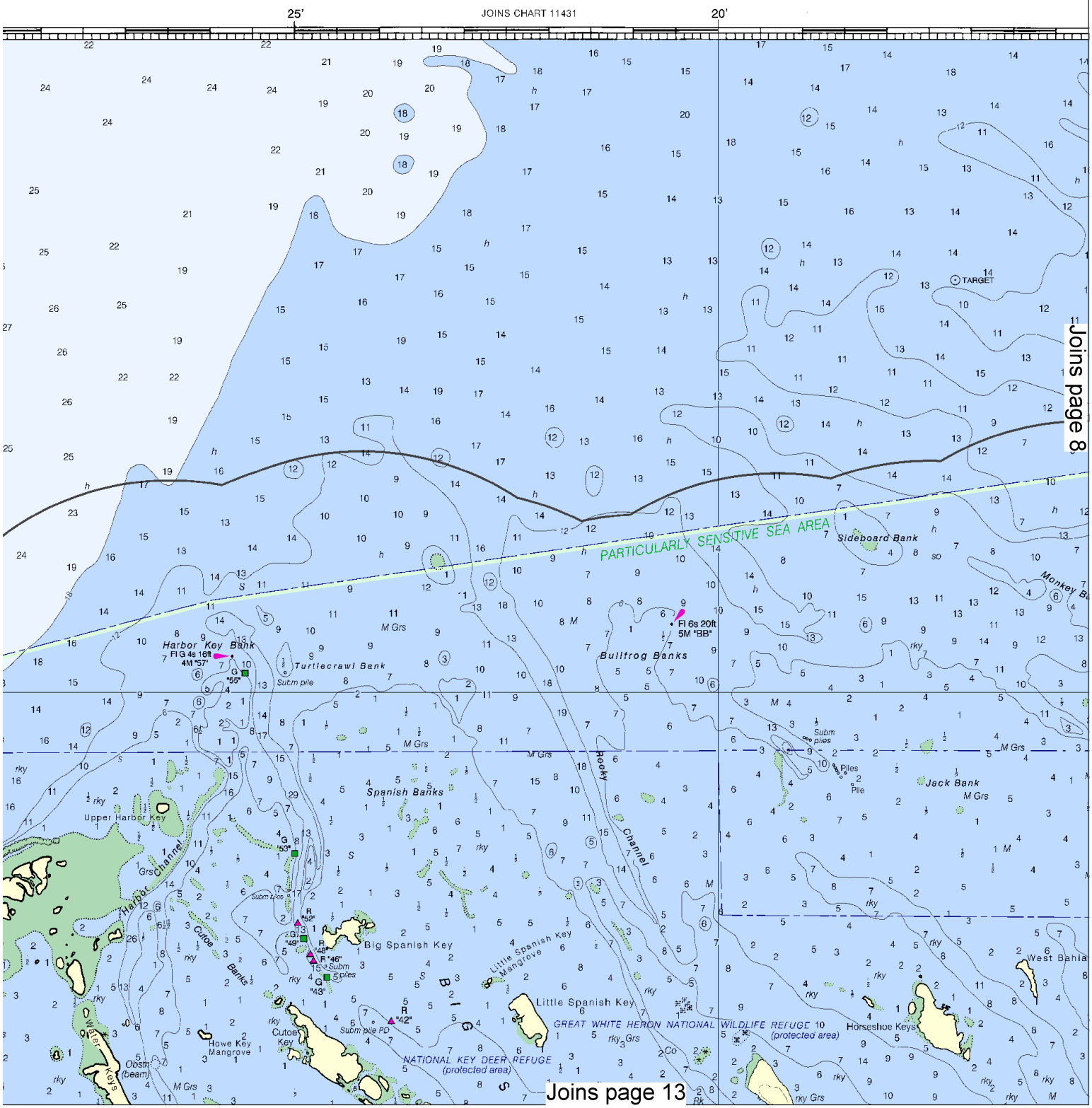
to modification.



This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0710 2/16/2010,
NGA Weekly Notice to Mariners: 0910 2/27/2010,
Canadian Coast Guard Notice to Mariners: n/a .

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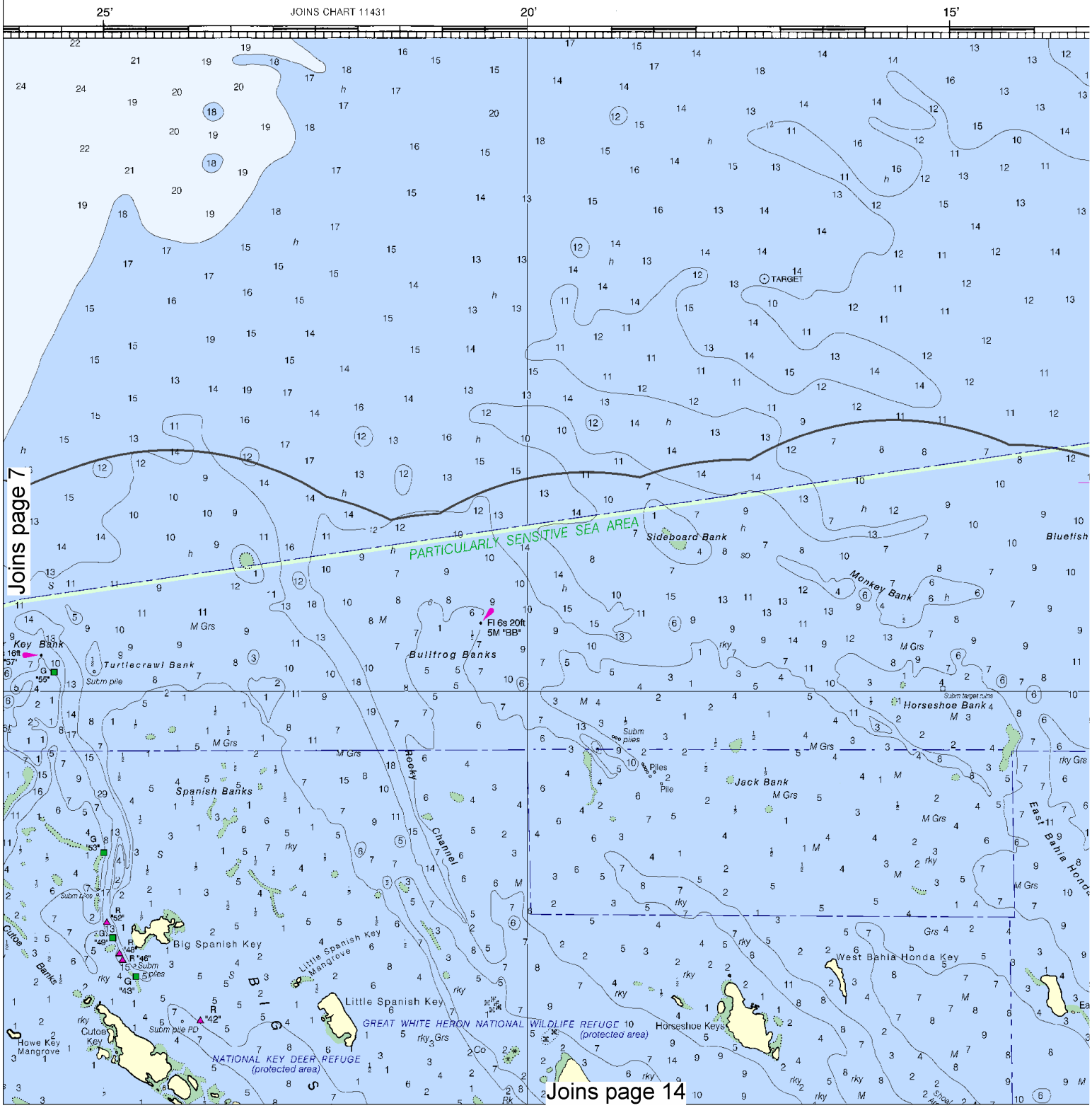


8

North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

1000 0 2000 4000 6000 8000 10000

s.noaa.gov.

ential Proclamation, ly identified as the t the jurisdictional ry off the Gulf coast elsewhere remain in e outer limit of the nd the 200-nautical tial Proclamation. limits are subject

Mercator Projection
Scale 1:80,000 at Lat. 24°40'
North American Datum of 1983
(World Geodetic System 1984)

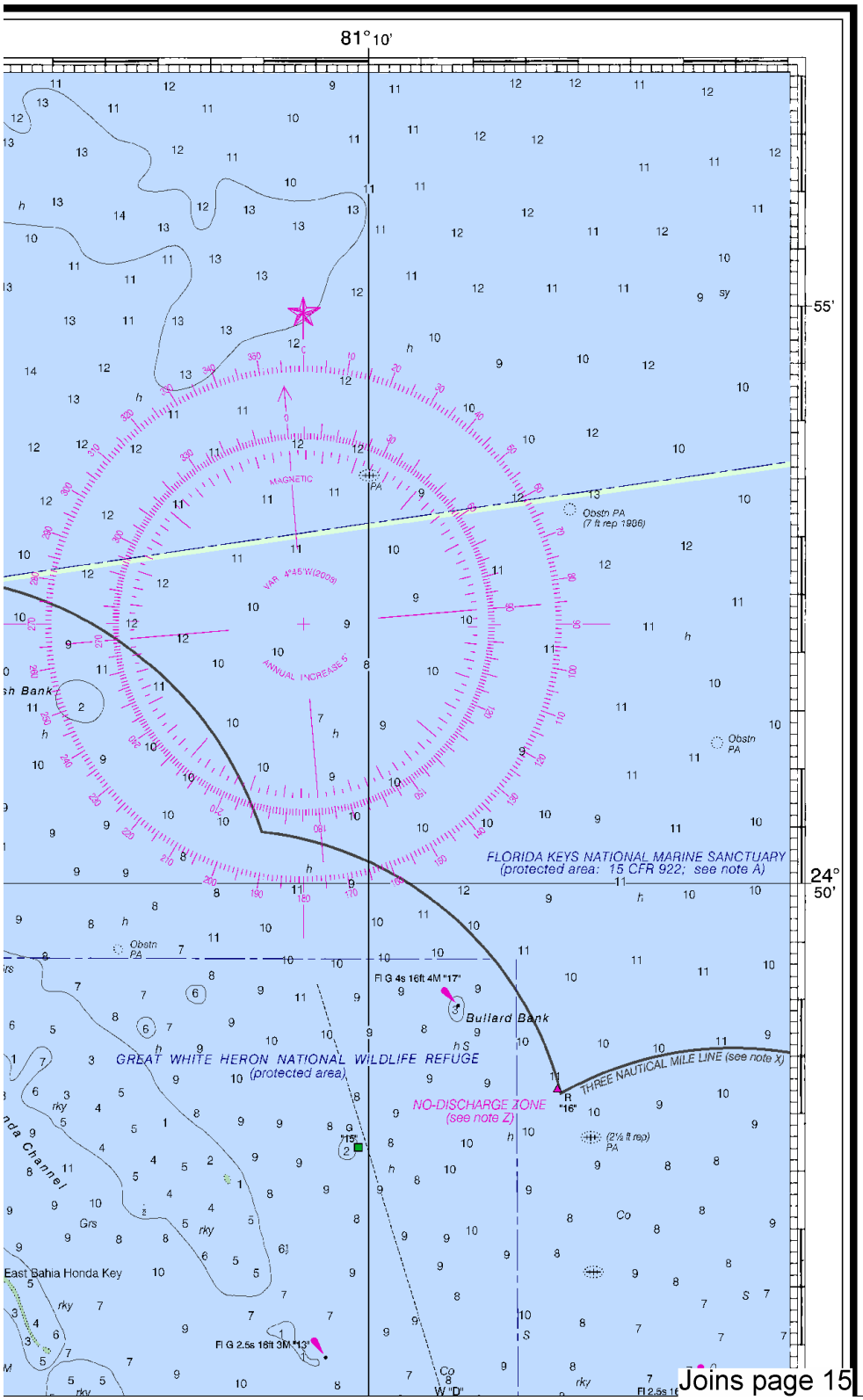
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

HEIGHTS
Heights in feet above Mean High Water.

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.

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 Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910 - 3282.

SOUNDINGS IN FEET



Joins page 15

CAUTION

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

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 the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

PARTICULARLY SENSITIVE SEA AREA

The Particularly Sensitive Sea Area (PSSA) is indicated by a dashed green limiting line highlighted with a green screened band or by a green screened band used in conjunction with the line symbol for other limits with which the PSSA coincides. A PSSA is an environmentally sensitive area around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

NOTE Z
NO-DISCHARGE ZONE, 40 CFR 140

All Florida State waters within the Florida Keys National Marine Sanctuary are designated as a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.

HURRICANES AND TROPICAL STORMS

Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels resulting in submerged debris in unknown locations.

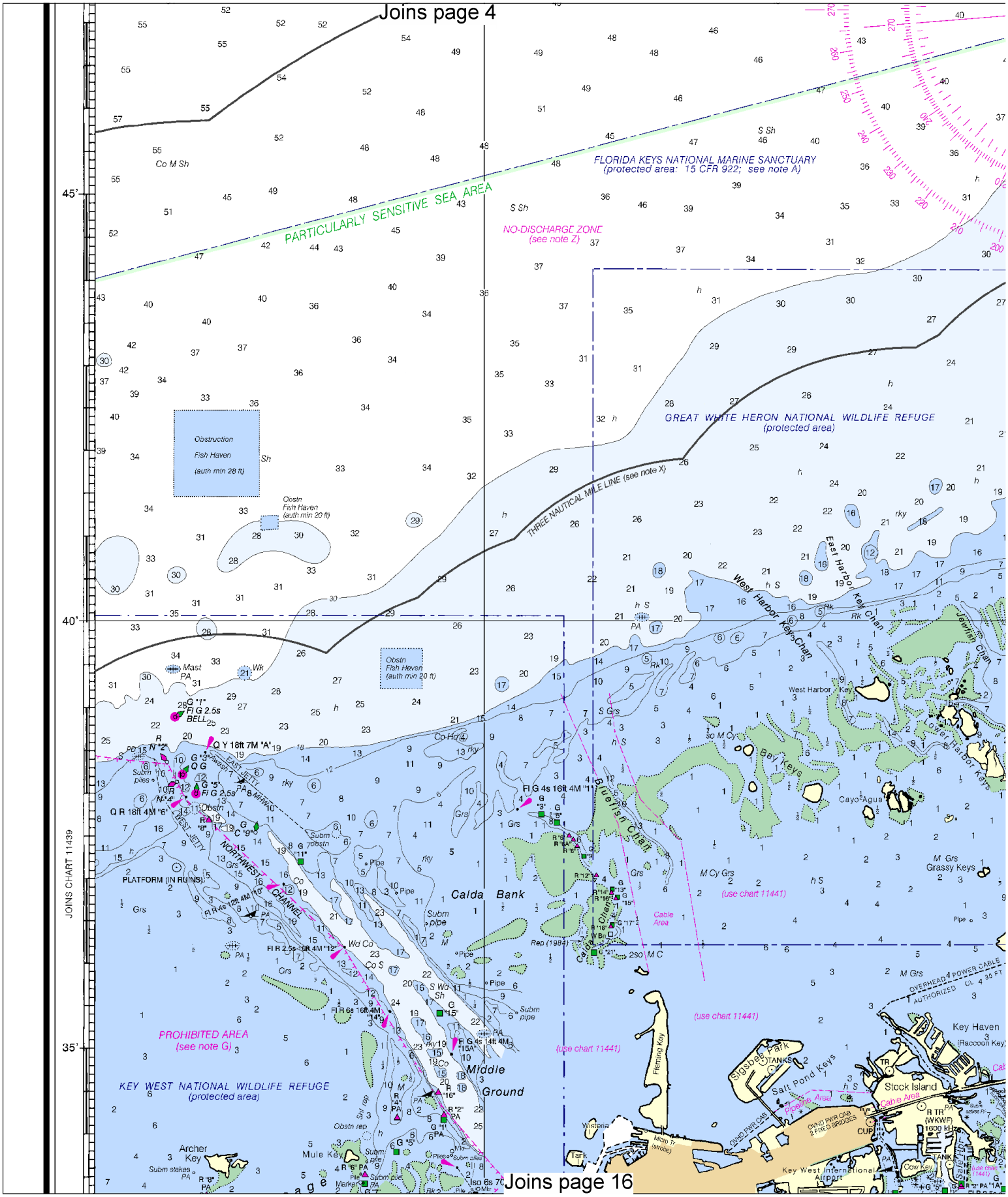
Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.

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 WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Tealable Key, FL	WWG-60	162.45 MHz
Key West, FL	WXJ-95	162.40 MHz



North

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Nautical Miles

1 0 1 2 3 4 5 6 7

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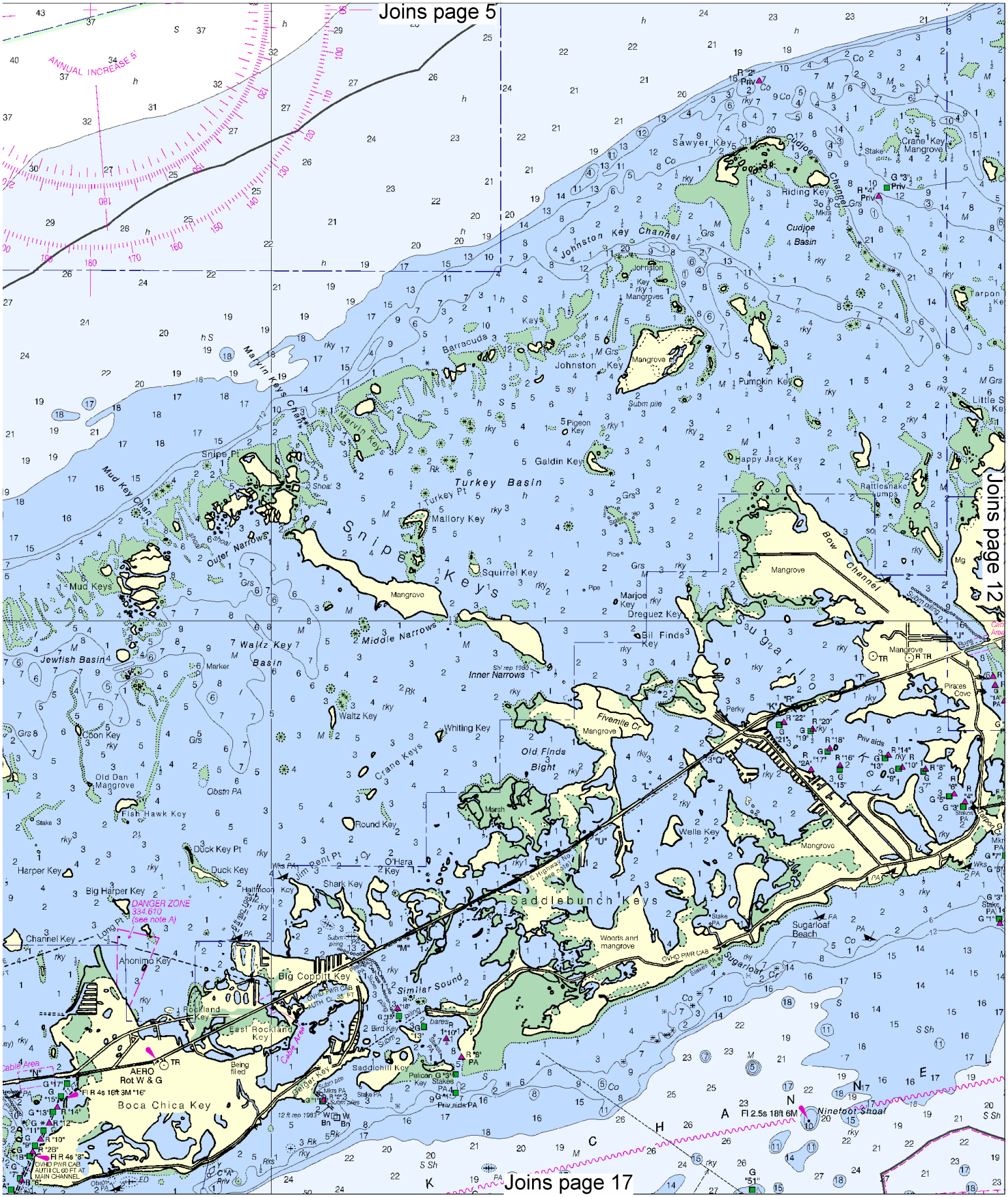
Joins page 5
Joins page 12
Joins page 17
ANNUAL INCREASE 5
Sawyer Key
Crane Key
Mangrove
Riding Key
Cudjoe Basin
Cudjoe Channel
Johnston Key Channel
Johnston Key
Mangroves
Barracuda Keys
Melvin Keys Channel
Marvin Key
Pumpkin Key
Pigeon Key
Galdin Keys
Happy Jack Key
Rattlesnake Pumps
Little S. Key
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Turkey Basin
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Outer Narrows
Mud Keys
Squirrel Key
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Marjoe Key
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Bil Finds Key
Bow Channel
Sugarloaf
Middle Narrows
Jewfish Basin
Waltz Key Basin
Inner Narrows
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Old Dan Mangrove
Crane Keys
Fish Hawk Key
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Harper Key
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O'Hara Key
Shark Key
Halfmoon Key
Saddlebunch Keys
Sugarloaf Beach
Channel Key
Ahonimo Key
Big Coppitt Key
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Rockland Key
East Rockland Key
Bird Key
Saddlehill Key
Pelican Key
Boca Chica Key
AERO Rot W & G
Ninefoot Shoal
DANGER ZONE 334.610 (see note A)
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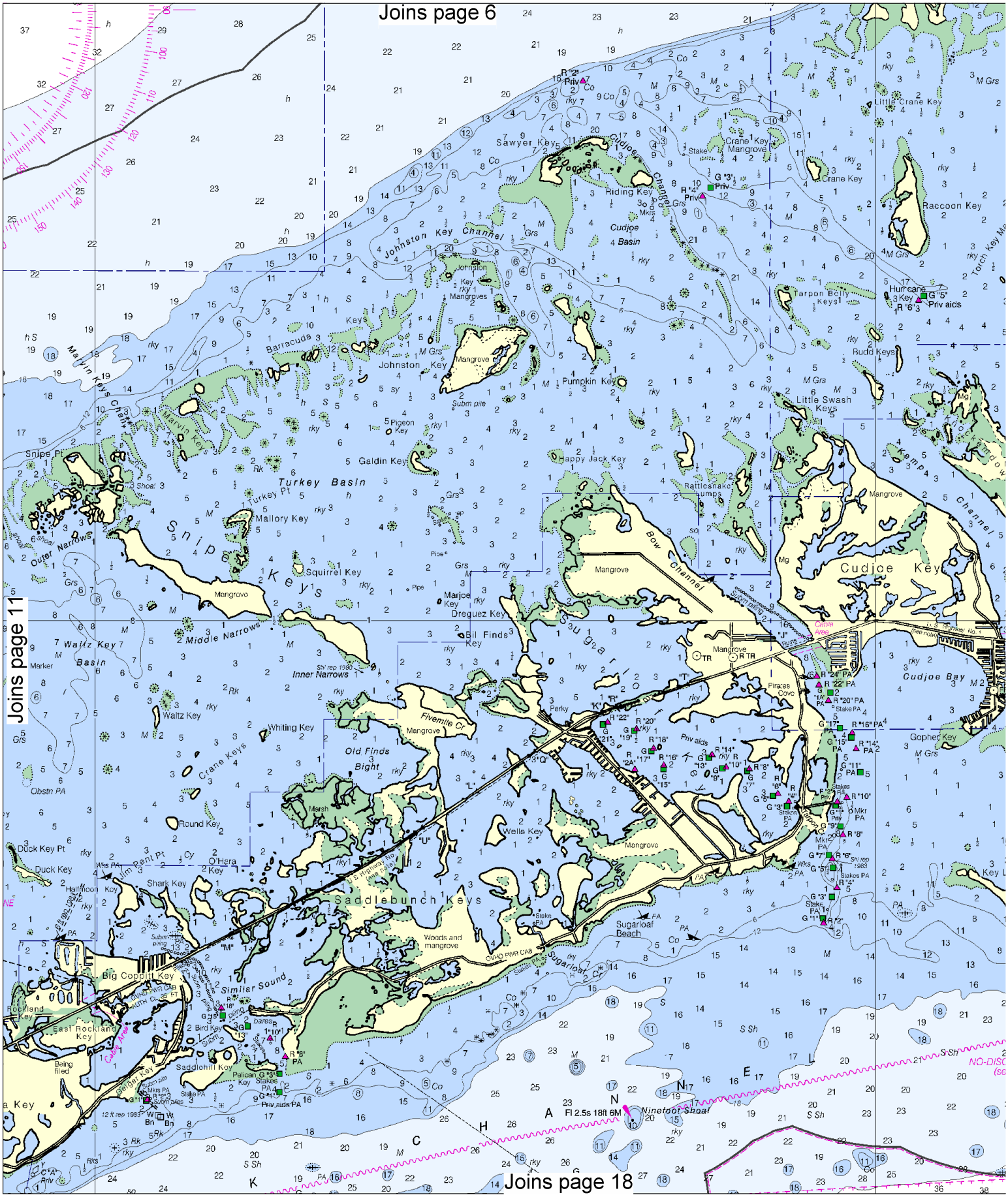
Joins page 6

Joins page 11



North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

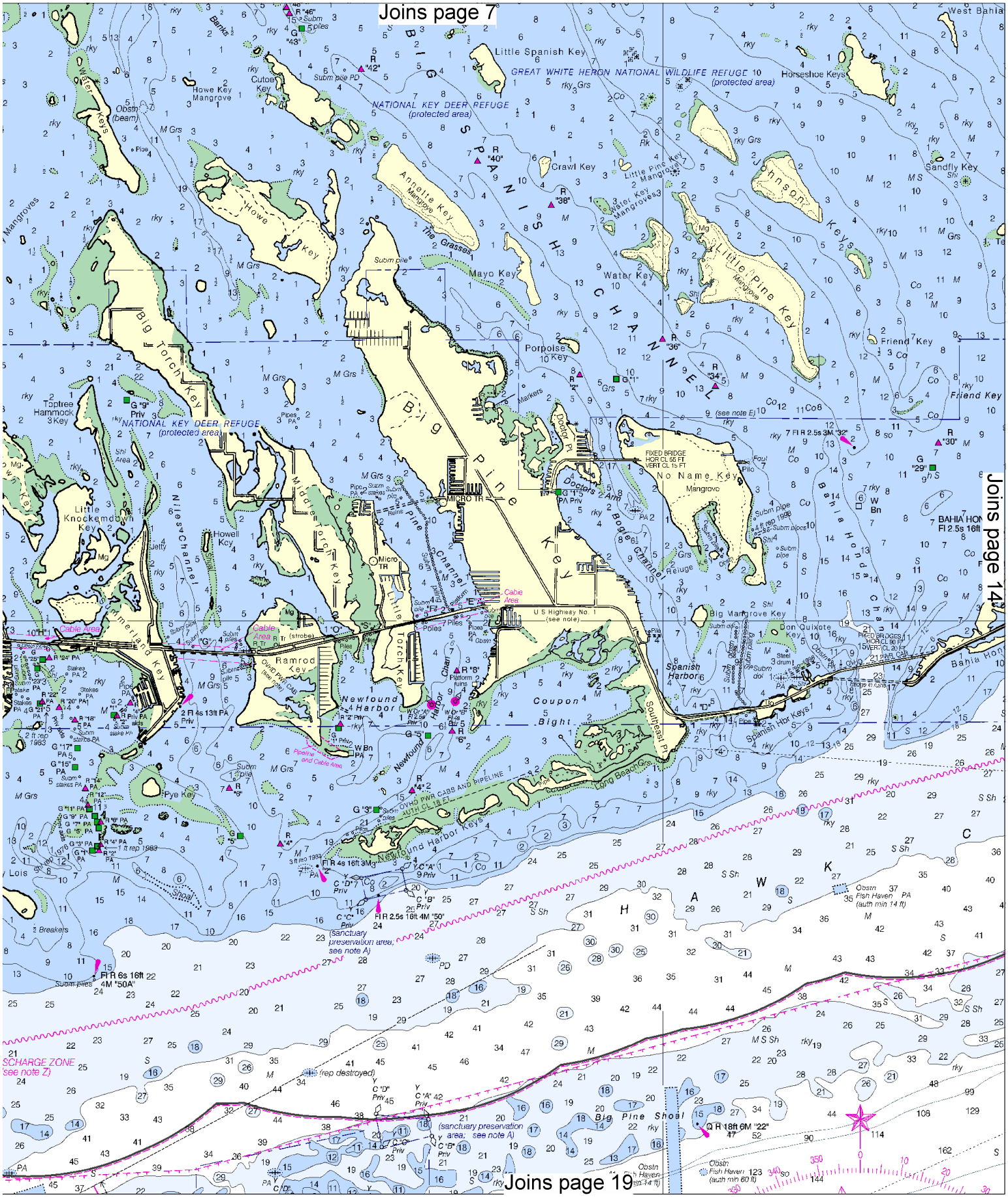
Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

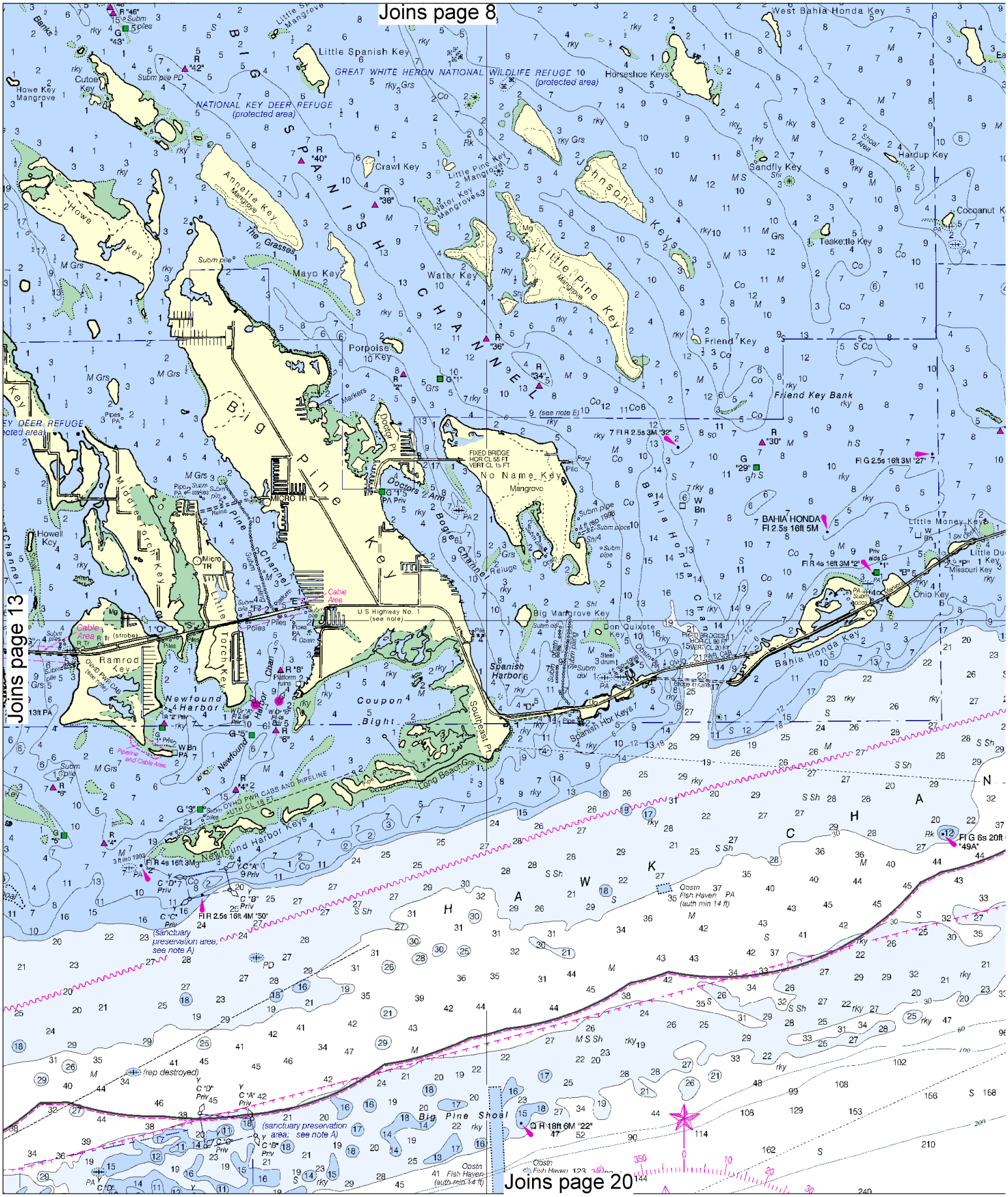
1000 0 2000 4000 6000 8000 10000

Joins page 7



Joins page 14

Joins page 19



North

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Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

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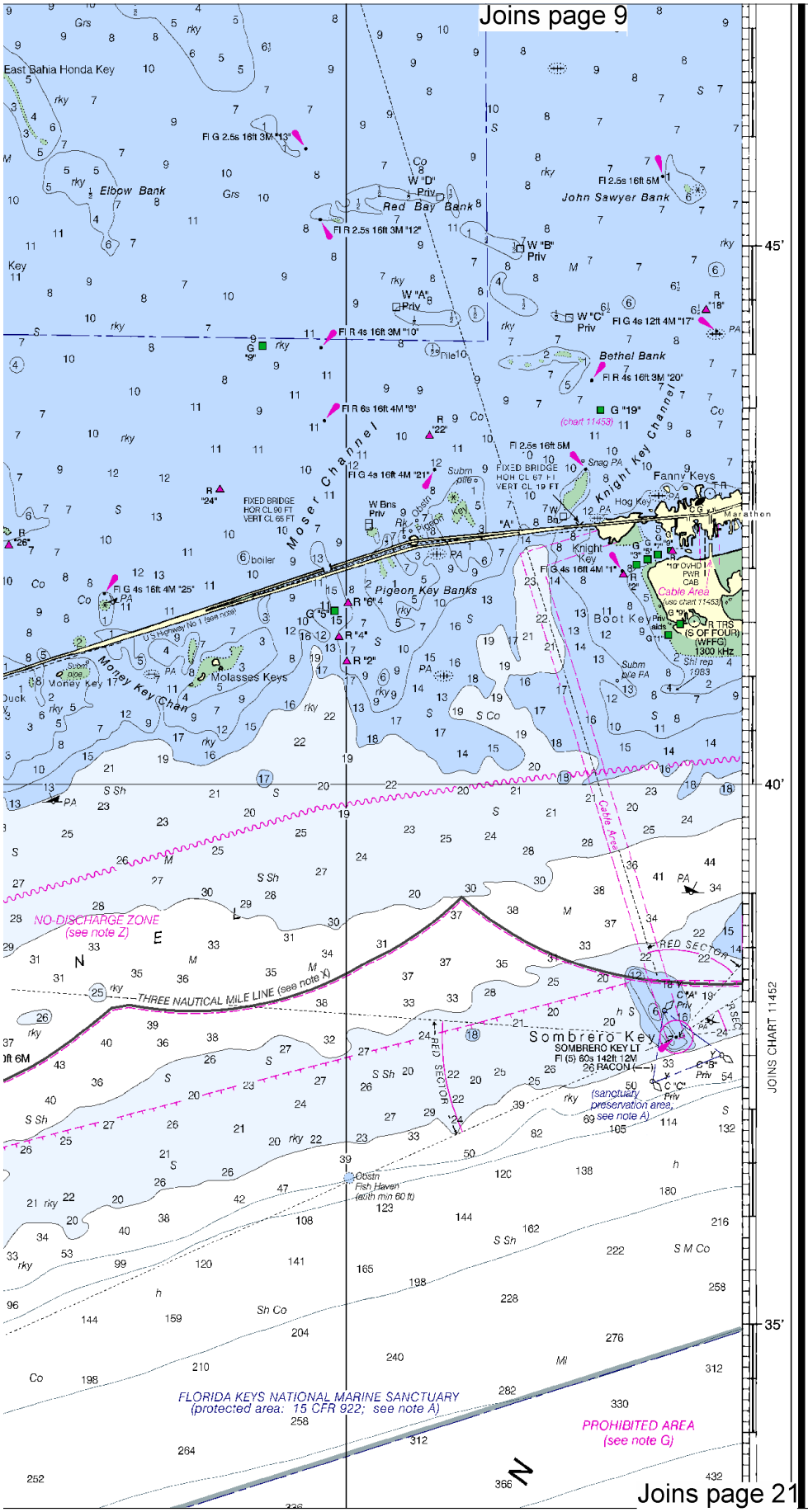

NOAA WEATHER RADIO BROADCASTS

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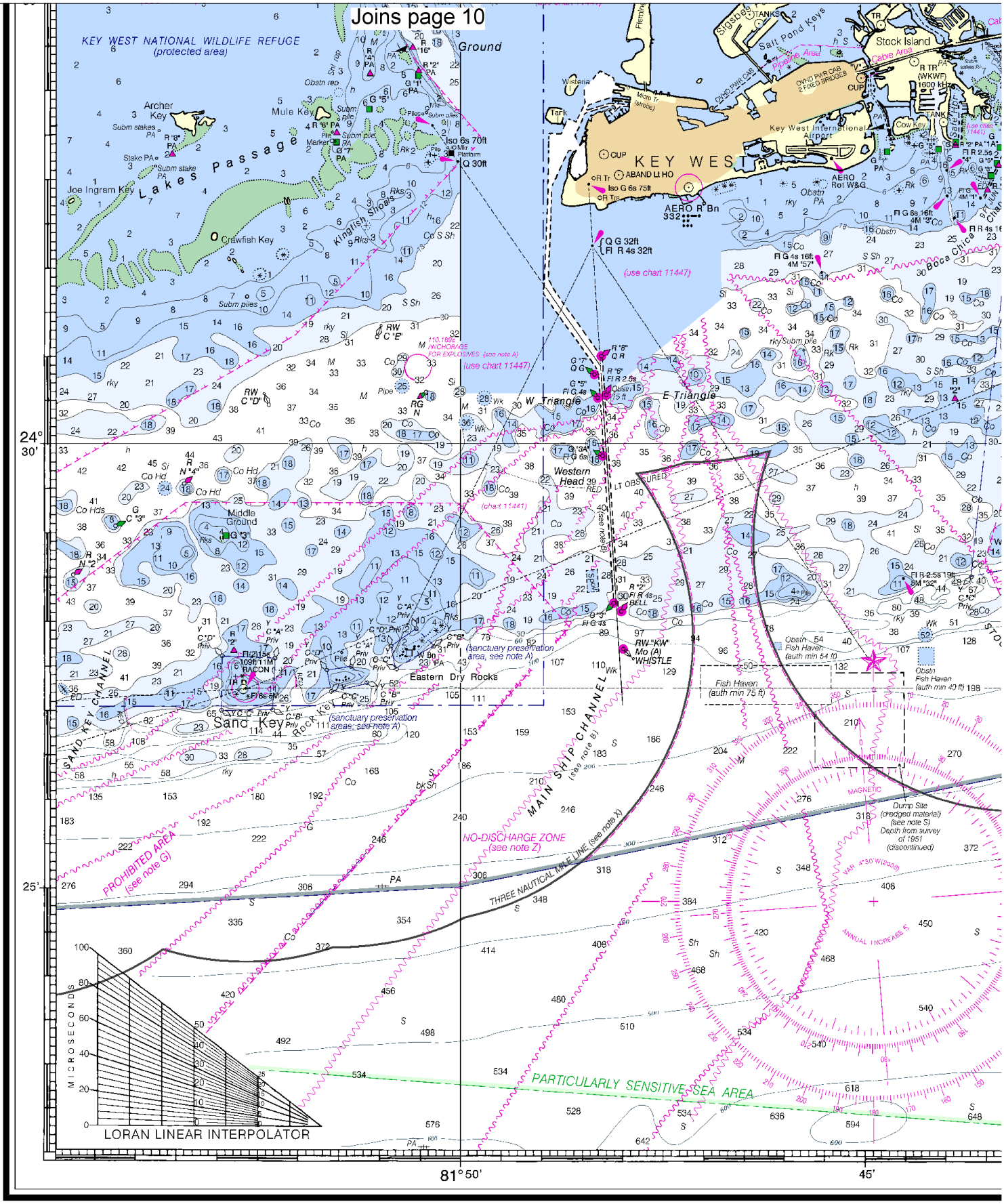

LORAN-C OVERPRINTED 11442

35th Ed., Jan./08 ■ Corrected through NM Jan. 19/08
Corrected through LNM Jan. 15/08

SOUNDIN

16

North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

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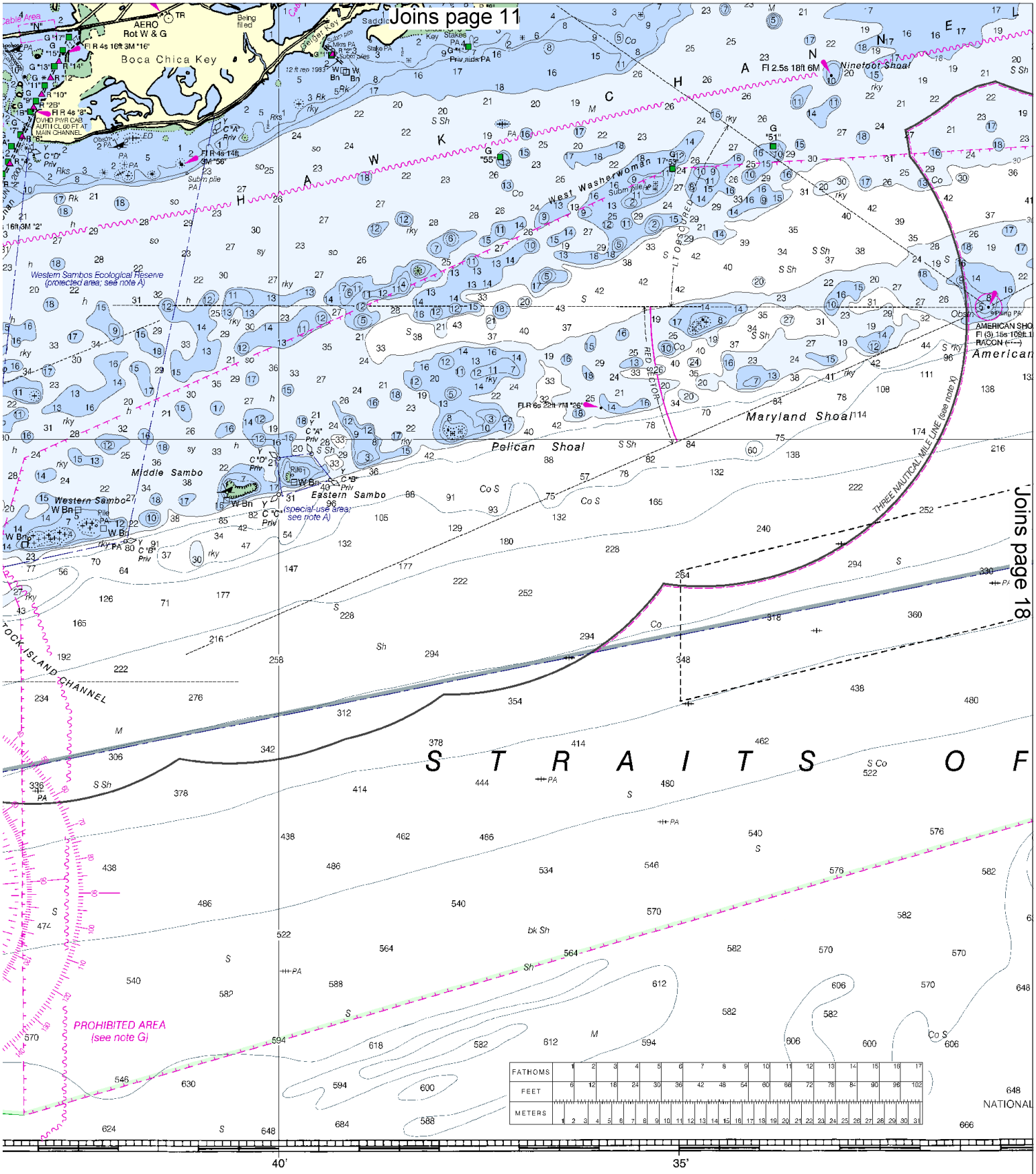
Joins page 11
Joins page 18
Boca Chica Key
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Rot W & G
Fl R 4s 16ft 3M "16"
Fl R 4s "8"
OVHD PWR CAB
AUTH CL 60 FT AT
MAIN CHANNEL
Fl R 4s 14ft
3M "56"
Fl 2.5s 18ft 6M
Ninefoot Shoal
West Washerwoman
Western Sambos Ecological Reserve
(protected area; see note A)
Middle Sambo
Western Sambo
Eastern Sambo
(special-use area;
see note A)
Pelican Shoal
Maryland Shoal
American
AMERICAN SHO
Fl (3) 15s 109ft 1
RACON (---)
Fl R 6s 22ft 7M "26"
RED SECTOR
THREE NAUTICAL MILE LINE (see note X)
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PROHIBITED AREA
(see note G)
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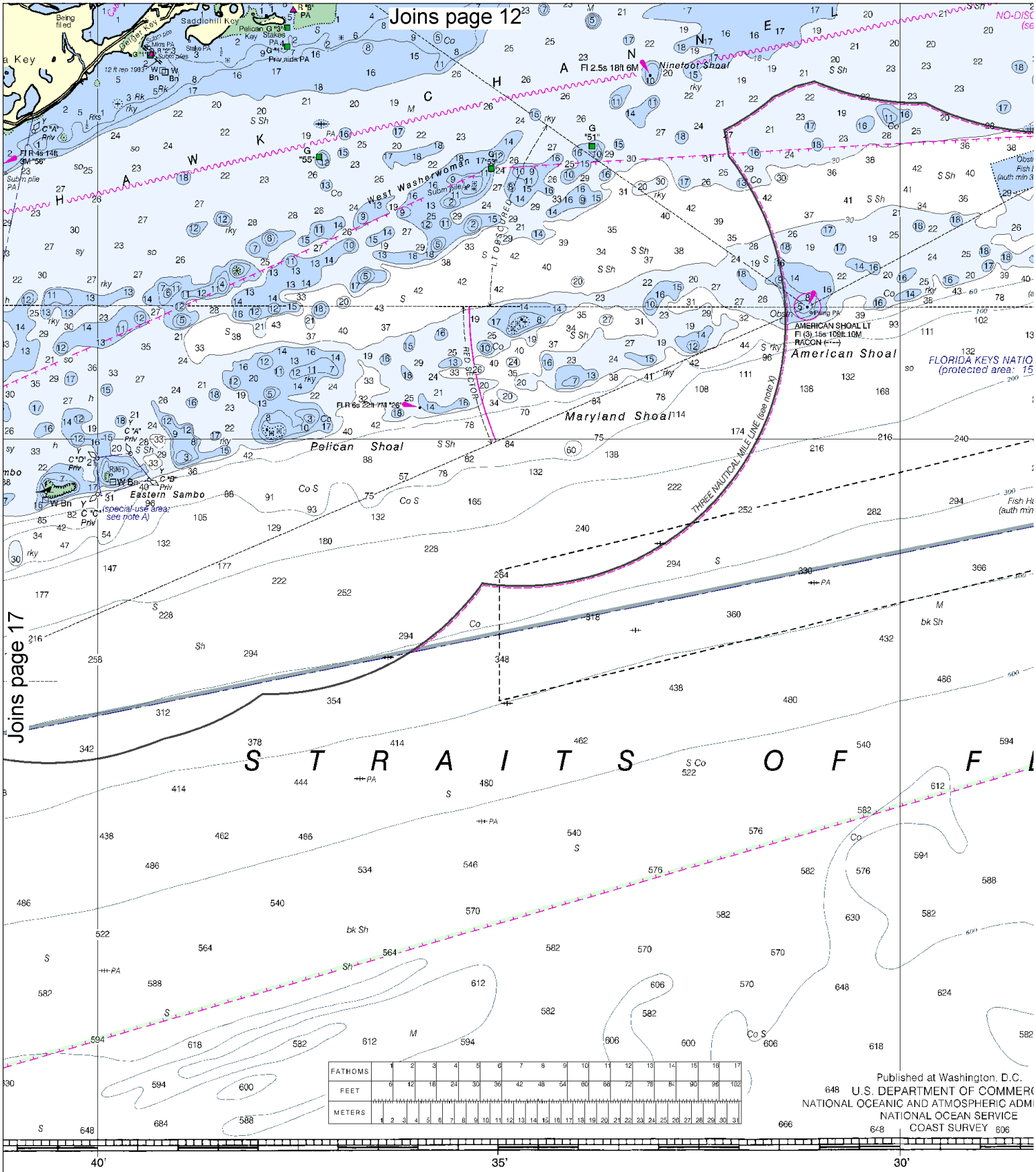
FEET
METERS
NATIONAL
40'
35'



North

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Nautical Miles

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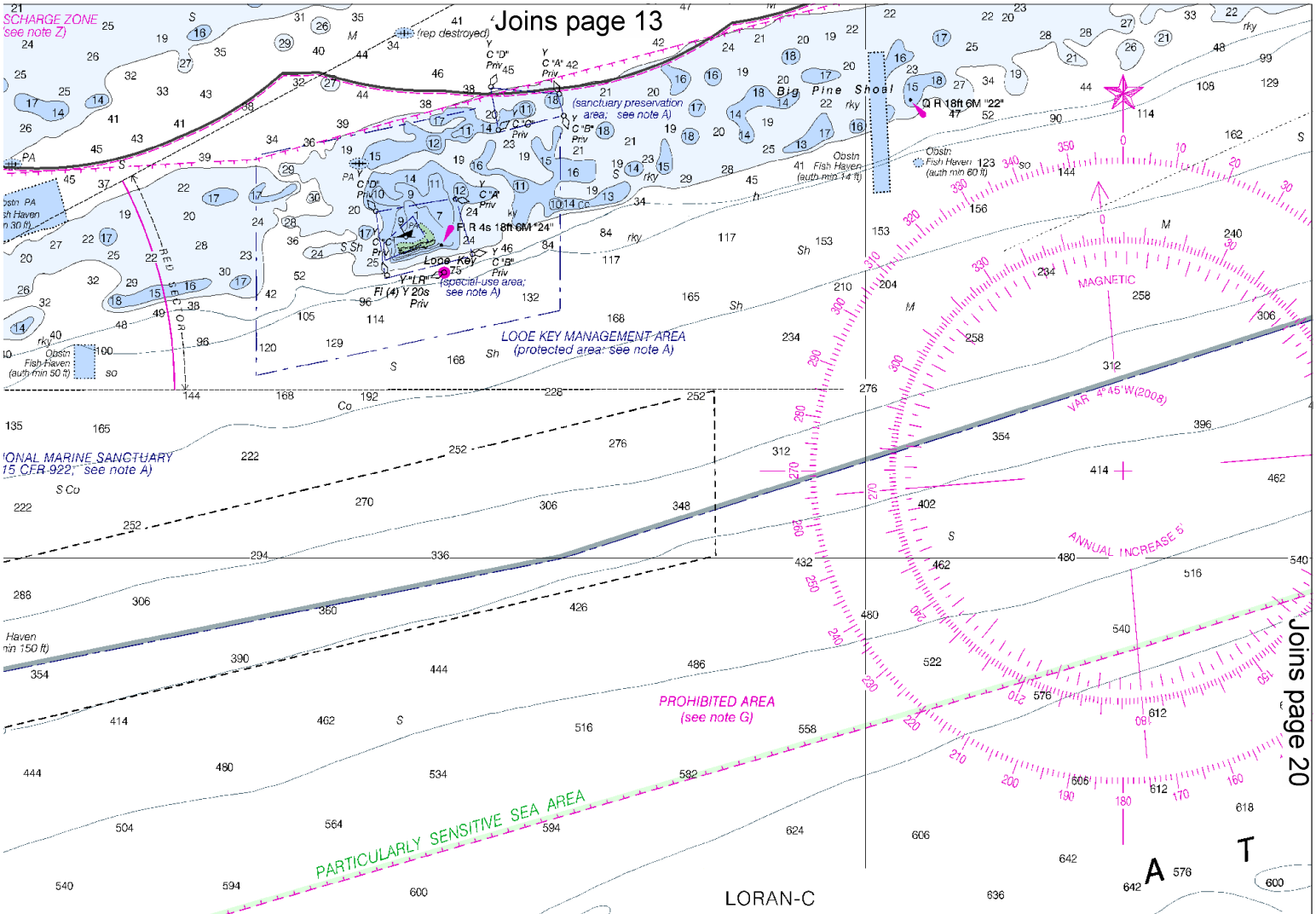


LORAN-C

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

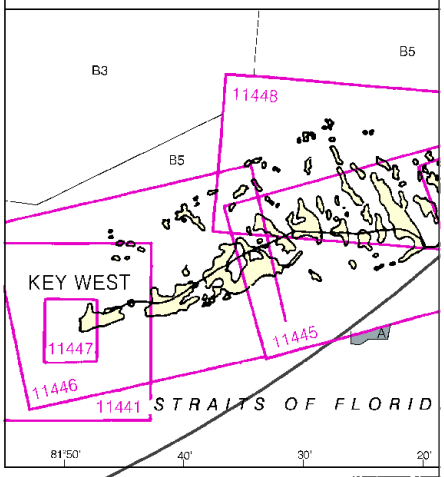
RATES ON THIS CHART

Loran-C correction tables published by the National Geospatial-Intelligence 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 the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SOURCE			
A	1990-2001	NOS Surveys	full bottom
B3	1940-1969	NOS Surveys	partial bot
B5	1834-1899	NOS Surveys	partial bot



Joins page 14

Joins page 19

(rep destroyed)
(sanctuary preservation area; see note A)
Big Pine Shoal
Q R 18ft 6M "22"
Obstn
Fish Haven (auth min 60 ft)
Obstn
Fish Haven (auth min 14 ft)
Looe Key
Fl R 4s 18ft 6M "24"
Fl (4) Y 20s
(special-use area; see note A)
LOOE KEY MANAGEMENT AREA
(protected area; see note A)
MAGNETIC
VAR 4°45'W(2008)
ANNUAL INCREASE 5'
PROHIBITED AREA
(see note G)
PARTICULARLY SENSITIVE SEA AREA
Unexploded ordnance
Reported 1971

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

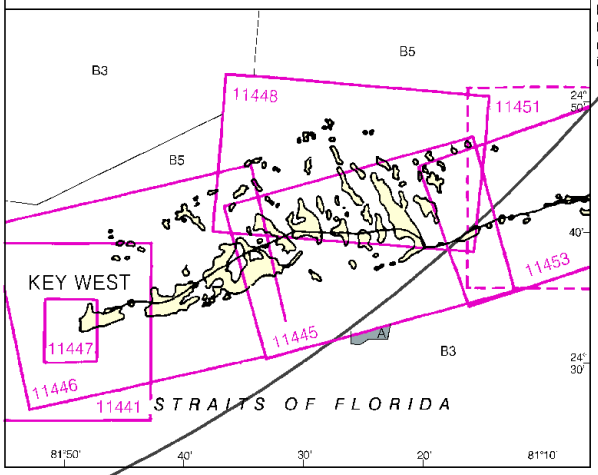
RATES ON THIS CHART

Loran-C correction tables published by the National Geospatial-Intelligence 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 the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SOURCE		
A 1990-2001	NOS Surveys	full bottom coverage
B3 1940-1969	NOS Surveys	partial bottom coverage
B5 1834-1899	NOS Surveys	partial bottom coverage



The outlined area
survey information
banded in this di
by the U.S. Army
not shown on this
in areas outlined i

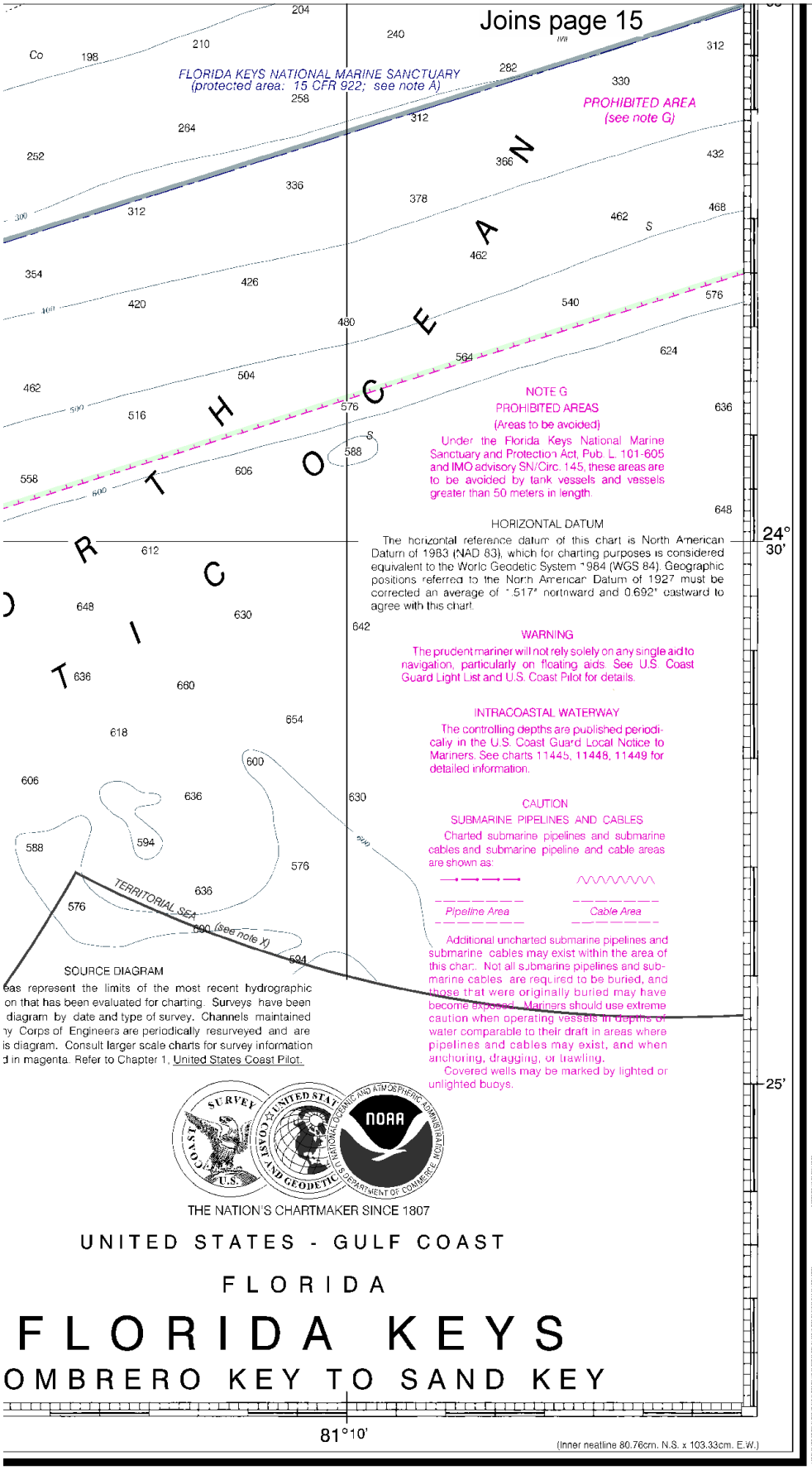
25' 20' 15'

North

Printed at reduced scale. ~~SCALE 1:80,000~~ See Note on page 5.

Nautical Miles
1 0 1 2 3 4 5 6 7

Yards
1000 0 2000 4000 6000 8000 10000



NOTE G
PROHIBITED AREAS
(Areas to be avoided)

Under the Florida Keys National Marine Sanctuary and Protection Act, Pub. L. 101-605 and IMO advisory SN/Circ. 145, these areas are to be avoided by tank vessels and vessels greater than 50 meters in length.

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 7.517" northward and 0.692" eastward to agree with 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.

INTRACOASTAL WATERWAY

The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners. See charts 11445, 11448, 11449 for detailed information.

CAUTION
SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

SOURCE DIAGRAM

eas represent the limits of the most recent hydrographic on that has been evaluated for charting. Surveys have been diagram by date and type of survey. Channels maintained ny Corps of Engineers are periodically resurveyed and are is diagram. Consult larger scale charts for survey information d in magenta. Refer to Chapter 1, United States Coast Pilot.

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - GULF COAST

FLORIDA

FLORIDA KEYS

OMBRERO KEY TO SAND KEY

(Inner neatline 80.76cm. N.S. x 103.33cm. E.W.)

ED. NO. 35

NSN 7642014010147

NGA REFERENCE NO. 11AHA11442

Sombrero Key to Sand Key

SOUNDINGS IN FEET - SCALE 1:80,000

LORAN-C OVERPRINTE

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.

Coast Guard Group Key West – 305-292-8856
Coast Guard Marathon – 305-743-6388
Marathon Sheriff's – 305-289-2401
FL Fish and Wildlife Conservation Comm – 888-404-3922
Coast Guard Atlantic Area Cmd – 757-398-6390

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

NOAA, The Nation's Chartmaker

NOAA CHARTING PUBLICATIONS

Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENCs®) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNCs™) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts™ – BookletCharts™ are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts™ – PocketCharts™ are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot® – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.