

# BookletChart™

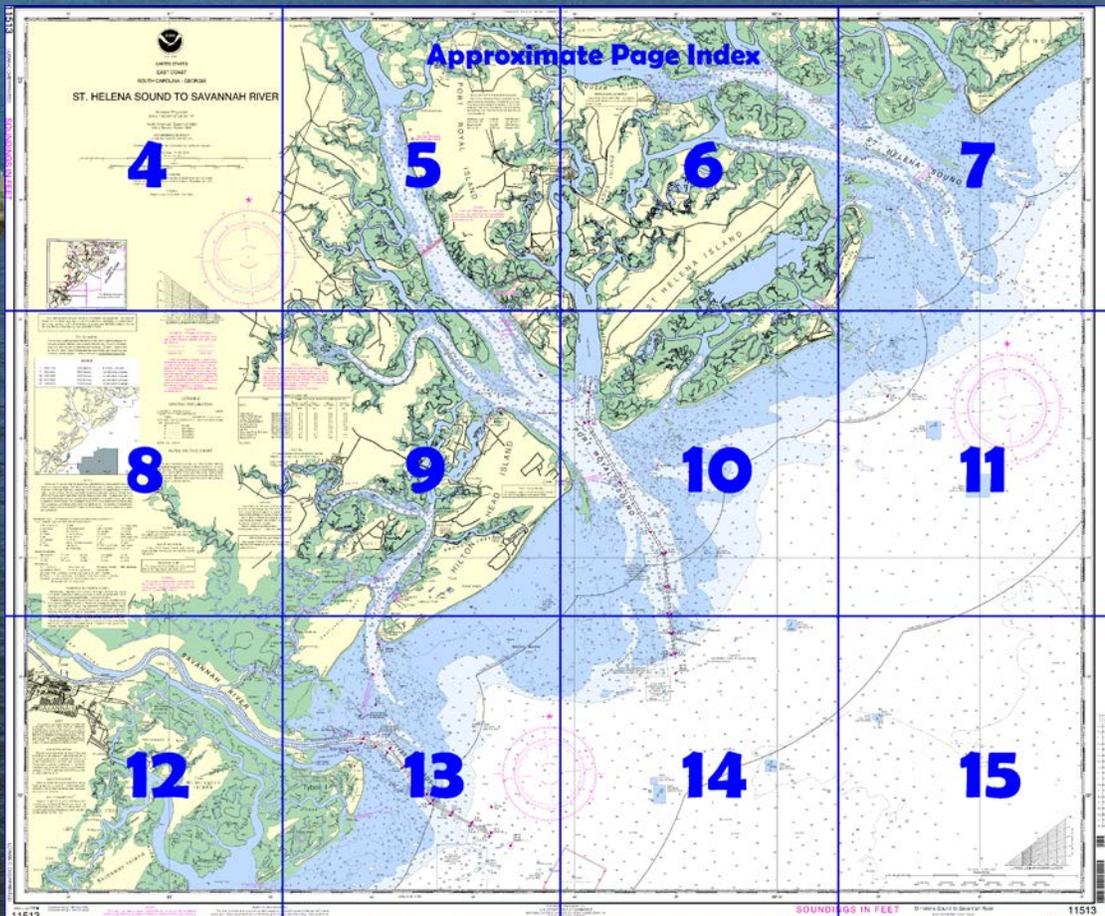
## St. Helena Sound to Savannah River NOAA Chart 11513



*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 Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the  
National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Coast Survey  
[www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov)  
888-990-NOAA**

### 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.

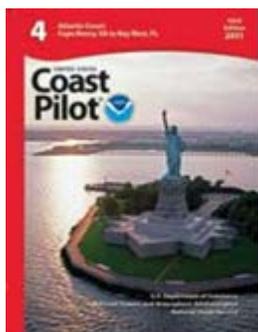
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=11513>



#### (Selected Excerpts from Coast Pilot)

The entrance to **St. Helena Sound** is between **Bay Point**, the southern extremity of **Edisto Island** and **Hunting Island**. The 132-foot Hunting Island Light (32°22'30"N., 80°26'18"W.), and the elevated tank on the northern part of Hunting Island make good landmarks. There are several channels through the shoals which extend 6 miles seaward from the sound entrance. The buoyed channel had a depth of 15 feet; caution is advised. A survey revealed

depths of 1 foot to 14 feet less than those charted across the entrance to St. Helena Sound. Caution is advised.

**South Edisto River.**—The approach to the river is marked by buoys. The river above its junction with **Dawho River** is known as **Edisto River**. **Big Bay Creek** is unmarked and empties into the east side of South Edisto River above Bay Point. It has been reported that small craft have run aground at night when making Big Bay Creek from the northward by using the lights on **Edisto Beach** as guides.

**Edisto Beach State Park** is 2 miles northeast of Bay Point. A marked channel into South Edisto River, 3 miles southeastward of Bay Point, has depths of 12 to 16 feet over the ocean bar.

The Intracoastal Waterway leads through South Edisto River from landcuts at **Fenwick Cut** and **Watts Cut**. This section of the river is marked in accordance with Intracoastal Waterway markings. The depth from Bay Point to the Intracoastal Waterway at Fenwick Cut was 10 feet, and from Watts Cut to **Willtown Bluff**, the depth was 10 feet.

The river is entered from the Intracoastal Waterway; the entrance from the ocean is rarely used. Currents at the entrance have a velocity of 2 knots.

A draft of 3 feet can be taken for 8 miles above Willtown Bluff to **Jacksonboro**.

**Ashepoo River** flows into St. Helena Sound from northward on the west side of **Otter Islands**. A bridge over the river, 13 miles above the mouth, has a clearance of 20 feet. The side piers of a former bridge are used as fishing piers. Mariners are advised to navigate with caution, because depths vary greatly in the river.

**Coosaw River** is irregular in depth, partly because of the phosphate dredges which once operated here.

Morgan River flows into St. Helena Sound from westward. The river is 8 miles long and at its head connects with Chowan Creek; at the divide this passage is nearly dry at low water where Route 21 bridge has a 28-foot fixed span with a clearance of 4 feet. **Coffin Creek**; the depth was 2 feet across the bar at the mouth, thence 8 feet in midchannel to the plant. On **Village Creek**, 0.8 mile above Coffin Creek, there are two shrimp-packing plants where diesel fuel and supplies may be obtained, in an emergency. Using local knowledge, a depth of 5 feet was available from the entrance to the shrimp-packing plants 1.5 miles upstream.

**Edding Creek** is 1.5 miles west of Village Creek. The depth in the creek was 5 feet for 2.5 miles.

On **Jenkins Creek** are two shrimp-packing plants on the east side of the creek 1.5 above the mouth. The depth was 11 feet to these plants where diesel fuel, water and ice can be obtained in an emergency.

On the Morgan River, west of Jenkins Creek, a marina has berths, electricity, gasoline, diesel fuel, water, ice, marine supplies, pump-out station, launching ramp and wet and dry storage.

Broad River extends northwest 16 miles. The river is not difficult to navigate as far as Whale Branch, 13 miles above the entrance. A **danger zone** of a pistol range is on the west side of Parris Island.

**Caution.**—The areas generally to the east and southeast of Charleston Harbor are used extensively by the U.S. Navy and other military services to conduct various types of surface, subsurface, and aircraft training exercises. The Commander, Submarine Group Six, Charleston, S.C., has cognizance of the operating areas through the Charleston Operating Area Coordinator (COAC).

### U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Miami      Commander  
7th CG District      (305) 415-6800  
Miami, FL

# Table of Selected Chart Notes

Corrected through NM Dec. 11/10  
Corrected through LNM Dec. 07/10

**HEIGHTS**  
Heights in feet above Mean High Water.

**CAUTION**  
Southeast Channel Entrance is subject to continual change. 47

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

**INTRACOASTAL WATERWAY**  
Use charts 11518 and 11507. The channel depths and markers are not completely shown hereon.

**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.

Charleston, SC	KHB-29	162.550 MHz
Savannah, GA	KEC-85	162.400 MHz
Beaufort, SC	WXJ-23	162.450 MHz
Metter, GA	WWH-25	162.425 MHz

**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**  
Use charts 11518 and 11507. The channel depths and markers are not completely shown hereon.

**SAVANNAH RIVER**  
The project depth is 36-38 feet to Savannah. For controlling depths use chart 11512.

**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.

**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).

**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 0.737' northward and 0.609' eastward to agree with this chart.

**PORT ROYAL SOUND**  
The project depth is 27-24 feet to Port Royal. For controlling depths use chart 11516.

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

**AIDS TO NAVIGATION**  
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

**CAUTION** Pa  
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) ⊙ (Approximate location)

**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.

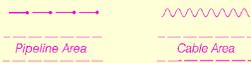
**Mercator Projection**  
Scale 1:80,000 at Lat 32° 15'

**North American Datum of 1983**  
(World Geodetic System 1984)

**SOUNDINGS IN FEET**  
AT MEAN LOWER LOW WATER

**CAUTION**  
Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

**CAUTION**  
**SUBMARINE PIPELINES AND CABLES**  
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



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.

For Symbols and Abbreviations see Chart No. 1

**NOTE A**  
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. 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 Charleston, South Carolina and Savannah, Georgia. Refer to charted regulation section numbers.

**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.

**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. Refer to Chapter 1, United States Coast Pilot.

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

**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.

**ABBREVIATIONS** (For complete list of Symbols and Abbreviations, see Chart No. 1.)  
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
A alternating	IQ interrupted quick	N nun	Rot rotating
B black	Is isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
F flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Bls boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Oy clay	Gr grass	M mud	S sand	sy stony

Miscellaneous:

AUTH authorized	Obst obstruction	PD position doubtful	Subm submerged
ED assistance doubtful	PA position approximate	Res reported	

(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.  
COLREGS International Regulations for Preventing Collisions at Sea, 1972.  
Demarcation lines are shown thus: ---

**TIDAL INFORMATION**

PLACE	Height referred to datum of soundings (MLLW)	Mean High Water		
		Mean High Water	Mean High Water	Mean Low Water
NAME	(LAT/LONG)	feet	feet	feet
Otter Island	(32°29'N/080°25'W)	6.6	6.2	0.2
Beaufort	(32°26'N/080°41'W)	8.0	7.6	0.2
Harbor River Bridge	(32°24'N/080°27'W)	6.7	6.3	0.2
Baileys Landing	(32°21'N/080°53'W)	8.7	8.3	0.2
Fripp Inlet Bridge	(32°20'N/080°28'W)	6.7	6.3	0.2
Bluffton	(32°14'N/080°52'W)	8.6	8.2	0.2
Port Royal Plantation	(32°13'N/080°40'W)	6.8	6.3	0.2
Braddock Point	(32°07'N/080°50'W)	7.3	7.0	0.2
Savannah River	(32°05'N/081°06'W)	8.6	8.1	0.2
Savannah River Entrance	(32°02'N/080°54'W)	7.5	7.1	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>. (Nov 2010)

05' 81° 55'



UNITED STATES  
EAST COAST  
SOUTH CAROLINA - GEORGIA

# ST. HELENA SOUND TO SAVANNAH RIVER

Mercator Projection  
Scale 1:80,000 at Lat 32° 15'

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

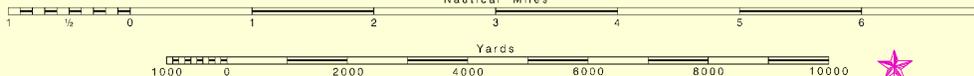
For Symbols and Abbreviations see Chart No. 1

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

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, and U.S. Coast Guard.

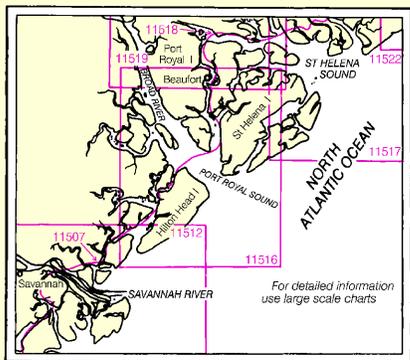
SCALE 1:80,000  
Nautical Miles



32° 30'

25'

20'

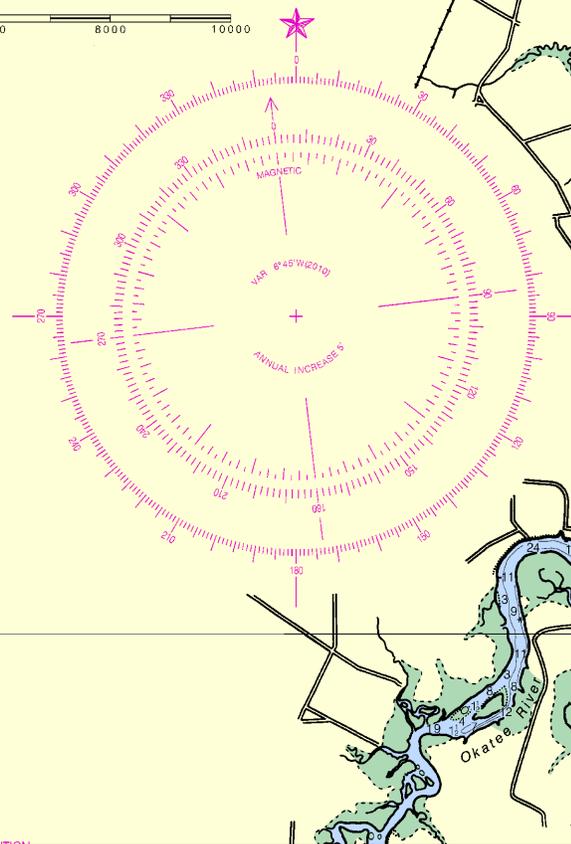


This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3262.

#### 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. Refer to Chapter 1, *United States Coast Pilot*.

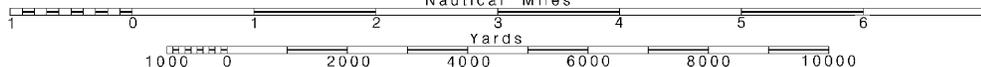
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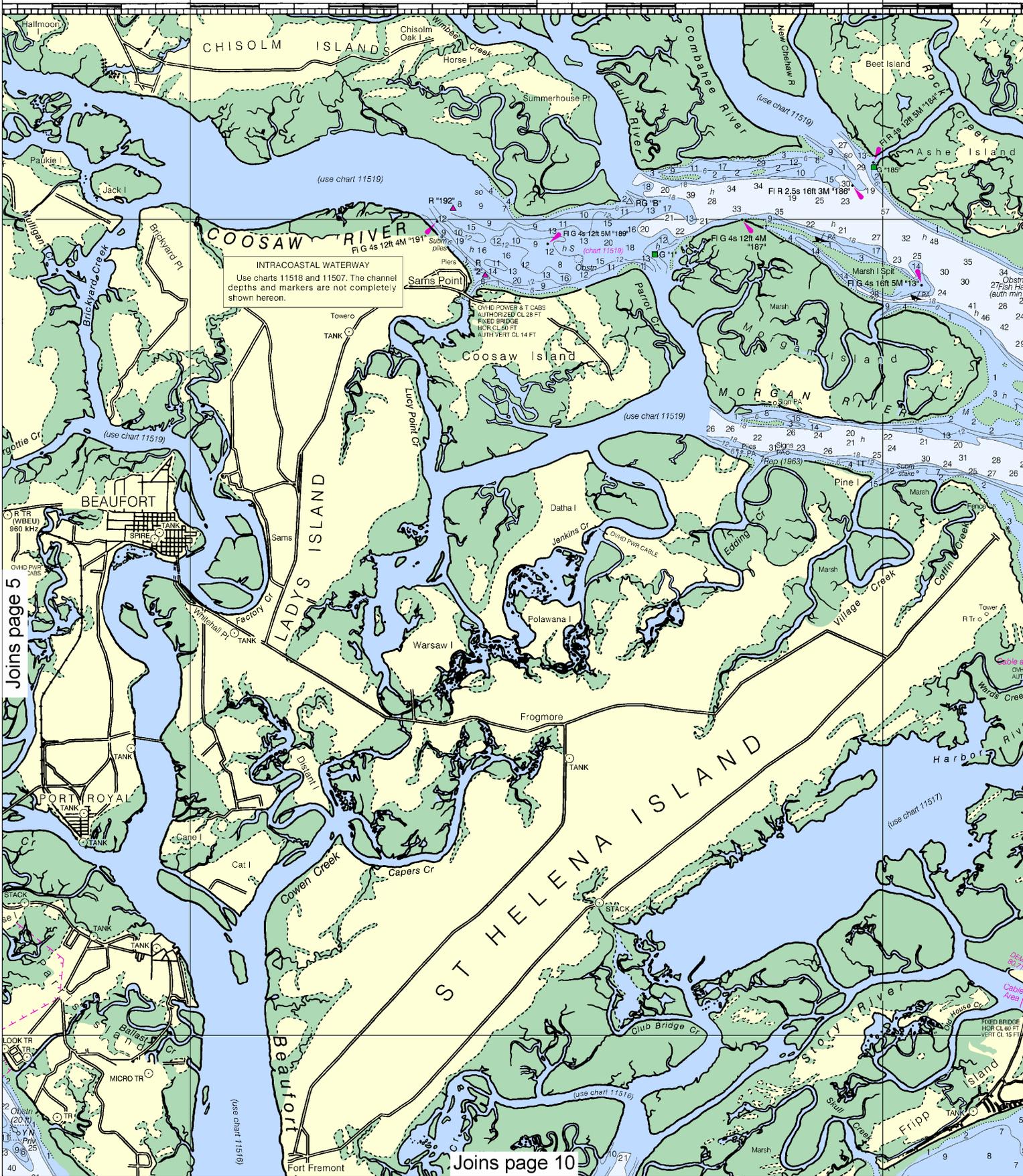
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:80,000

See Note on page 5.





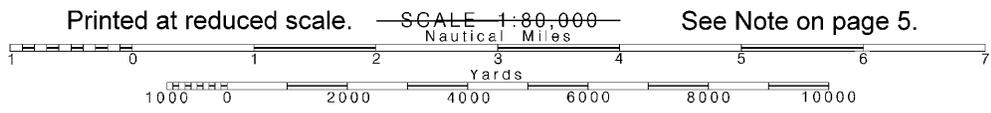


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Joins page 10

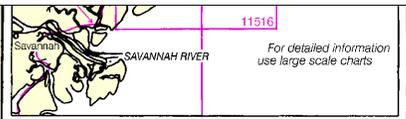


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See Note on page 5.





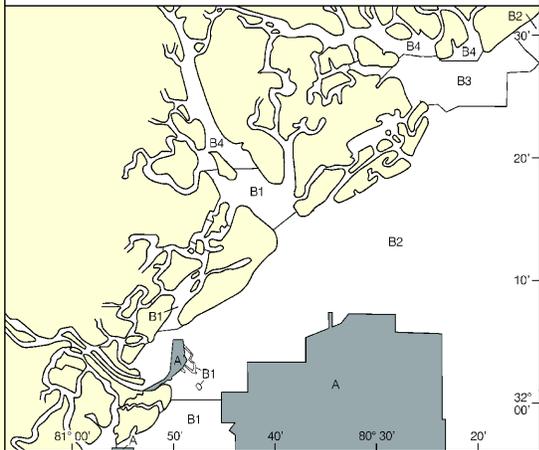
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**SOURCE**

A	1990-2005	NOS Surveys	full bottom coverage
B1	1990-2005	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage



**CAUTION**

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**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 2-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at <http://ocsddata.noc.noaa.gov/ldr/inquiry.aspx>, or OceanGrafix at 1-877-56CHART or <http://www.oceangrafix.com>.

**NOTE A**  
Navigation regulations are published in Coast Pilot 4. Additions or revisions listed in the Notice to Mariners. Information may be obtained at the Office of the District Engineer, Corps of Engineers, Savannah and Savannah, Georgia. Refer to charted regulation section.

**TIDAL INFORMATION**

NAME	PLACE	(LAT/LONG)	Height	Mean
Otter Island		(32°29'N/080°25'W)		
Beaufort		(32°26'N/080°41'W)		
Harbor River Bridge		(32°24'N/080°27'W)		
Baileys Landing		(32°21'N/080°53'W)		
Fripp Inlet Bridge		(32°20'N/080°28'W)		
Bluffton		(32°14'N/080°52'W)		
Port Royal Plantation		(32°13'N/080°40'W)		
Braddock Point		(32°07'N/080°50'W)		
Savannah River		(32°05'N/081°06'W)		
Savannah River Entrance		(32°02'N/080°54'W)		

Dashes (- -) located in datum columns indicate unavailable datum values. Tide predictions, and tidal current predictions are available on the Internet (Nov 2010).

**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.

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

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	iso isophase	OBS obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

**Bottom characteristics:**

Bls boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Gr grass	M mud	S sand	sy sticky

**Miscellaneous:**

AUTH authorized	Obstr obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

(2) 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.  
 COLREGS: International Regulations for Preventing Collisions at Sea, 1972.  
 Demarcation lines are shown thus: - - - - -

**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.

**CAUTION**

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

**AIDS TO NAVIGATION**

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

**SAVANNAH RIVER**  
The project depth is 36-38 feet to Savannah. For controlling depths use chart 11512.

**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.

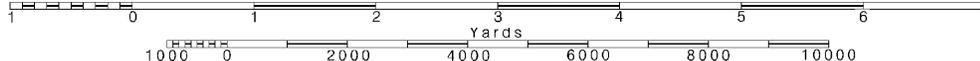
**CAUTION**

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: (O) (Accurate location) (o) (Approximate location)

**INTRACOASTAL WATERWAY**

Use charts 11518 and 11507. The channel depths and markers are not completely shown hereon.



Note: Chart grid lines are aligned with true north.



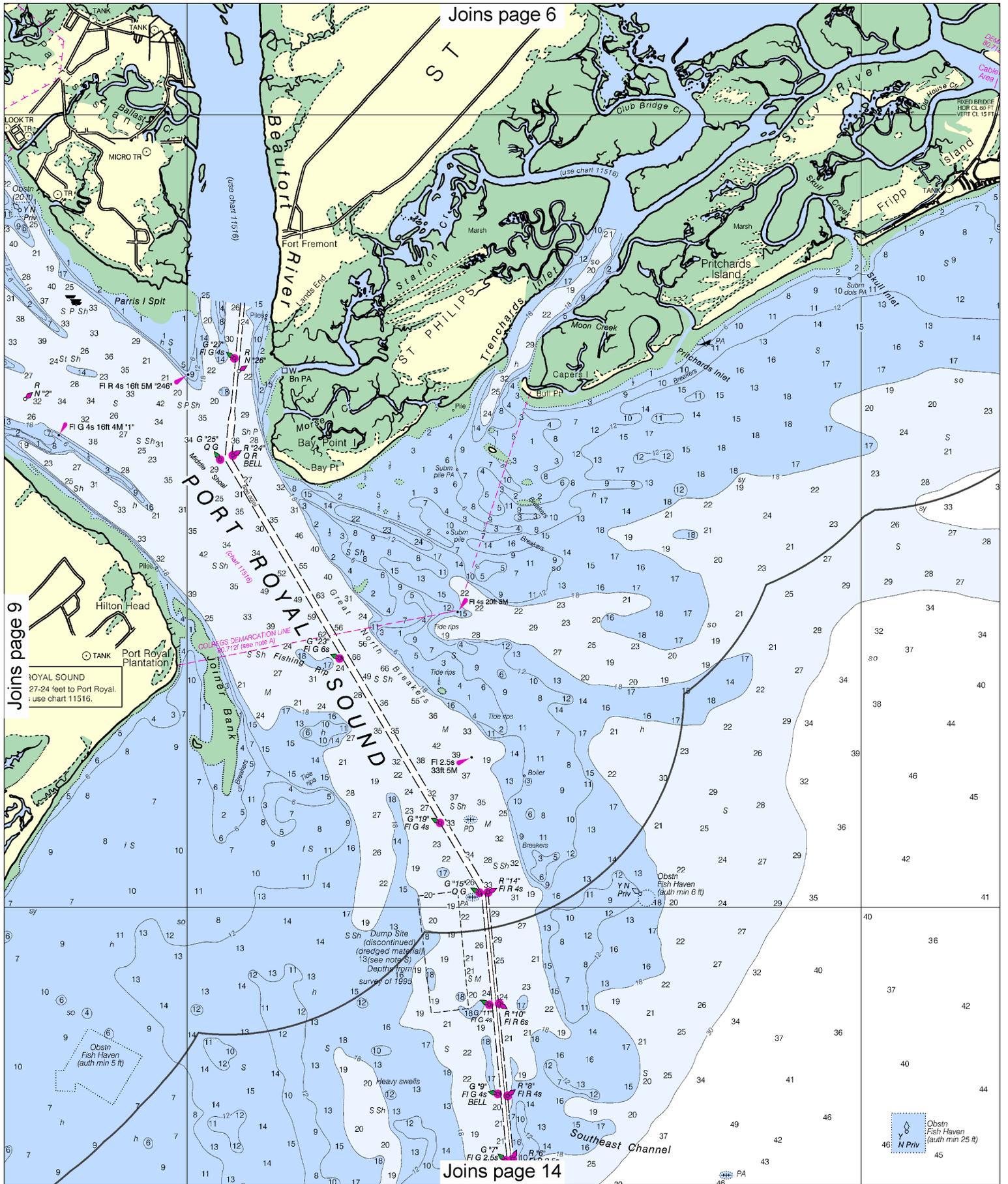
inished in Chapter 2. U.S. ns to Chapter 2 are pub- mation concerning the Office of the Commander, Florida, or at the Office gineers in Charleston, org.a tion numbers.

eight referred to datum of soundings (MLLW)		
Mean Higher High Water	Mean High Water	Mean Low Water
6.6	6.2	0.2
8.0	7.6	0.2
8.7	6.3	0.2
8.7	8.3	0.2
8.7	8.3	0.2
8.6	8.2	0.2
6.8	6.3	0.2
7.3	7.0	0.2
8.6	8.1	0.2
7.5	7.1	0.2

values for a tide station. Real-time water levels, met from <http://tidesandcurrents.noaa.gov>.

by broken lines are ly at the edges.

PORT ROYAL SOUND  
The project depth is 27-24 feet to Port Royal. For controlling depths use chart 11516.

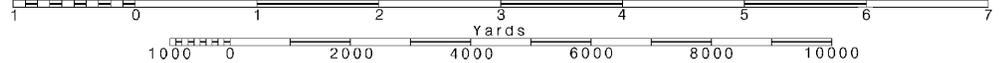


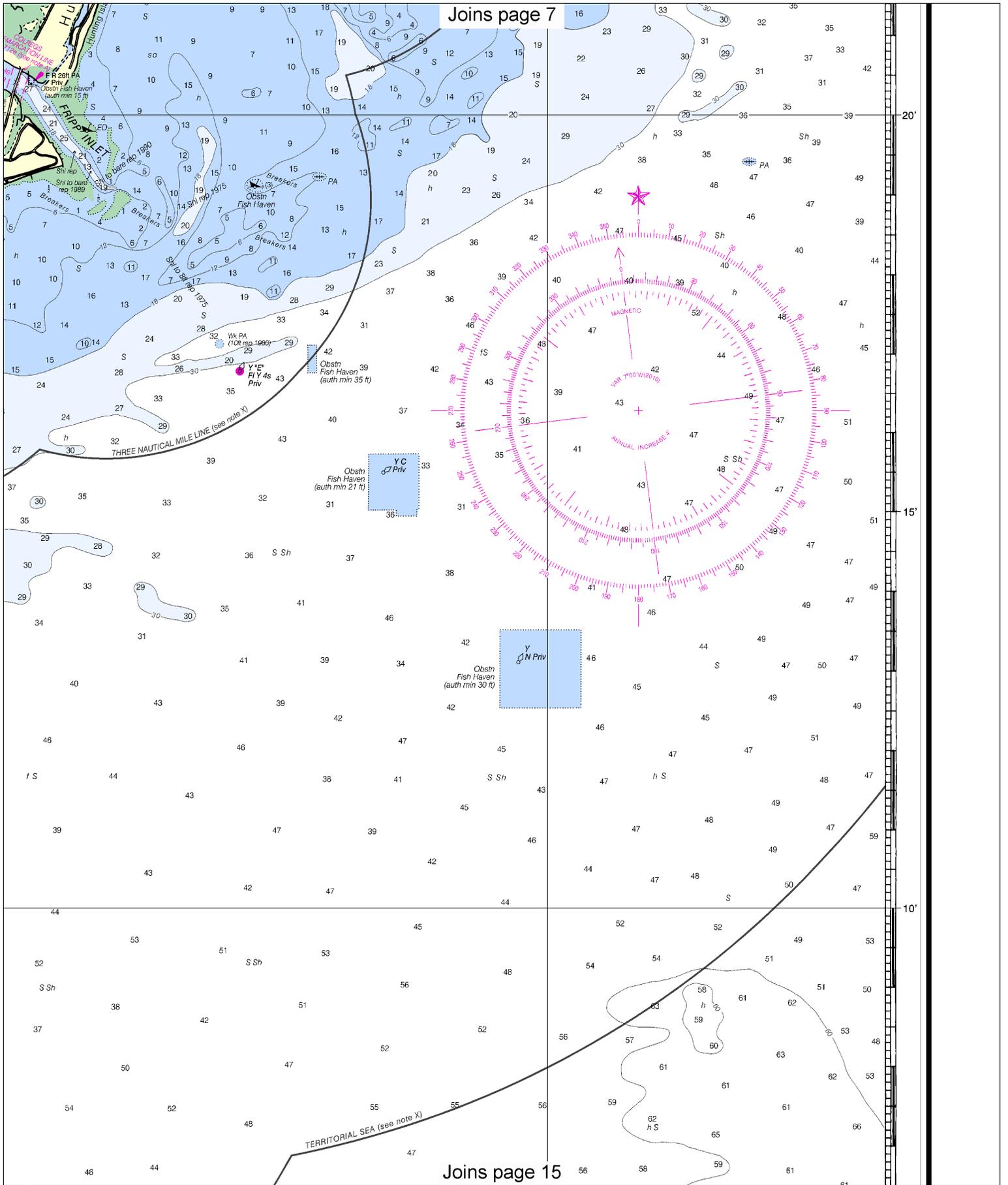
**10**

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:80,000

See Note on page 5.





AUTH authorized    Obstrn obstruction    PD position doubtful    Subm submerged  
 ED existence doubtful    PA position approximate    Rep reported  
 2L 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.  
 COLREGS: International Regulations for Preventing Collisions at Sea, 1972.  
 Demarcation lines are shown thus: — — — — —

Joins page 8    Street to Savannah, chart 11512.

**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.

**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.

**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 Pilot's appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

**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 0.737' northward and 0.609' eastward to agree with this chart.

**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).



26th Ed., Dec./10  
**11513**

Corrected through NM Dec. 11/10  
 Corrected through LNM Dec. 07/10

**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](http://nauticalcharts.noaa.gov).

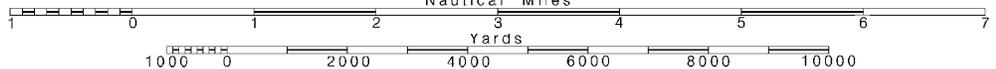
**12**

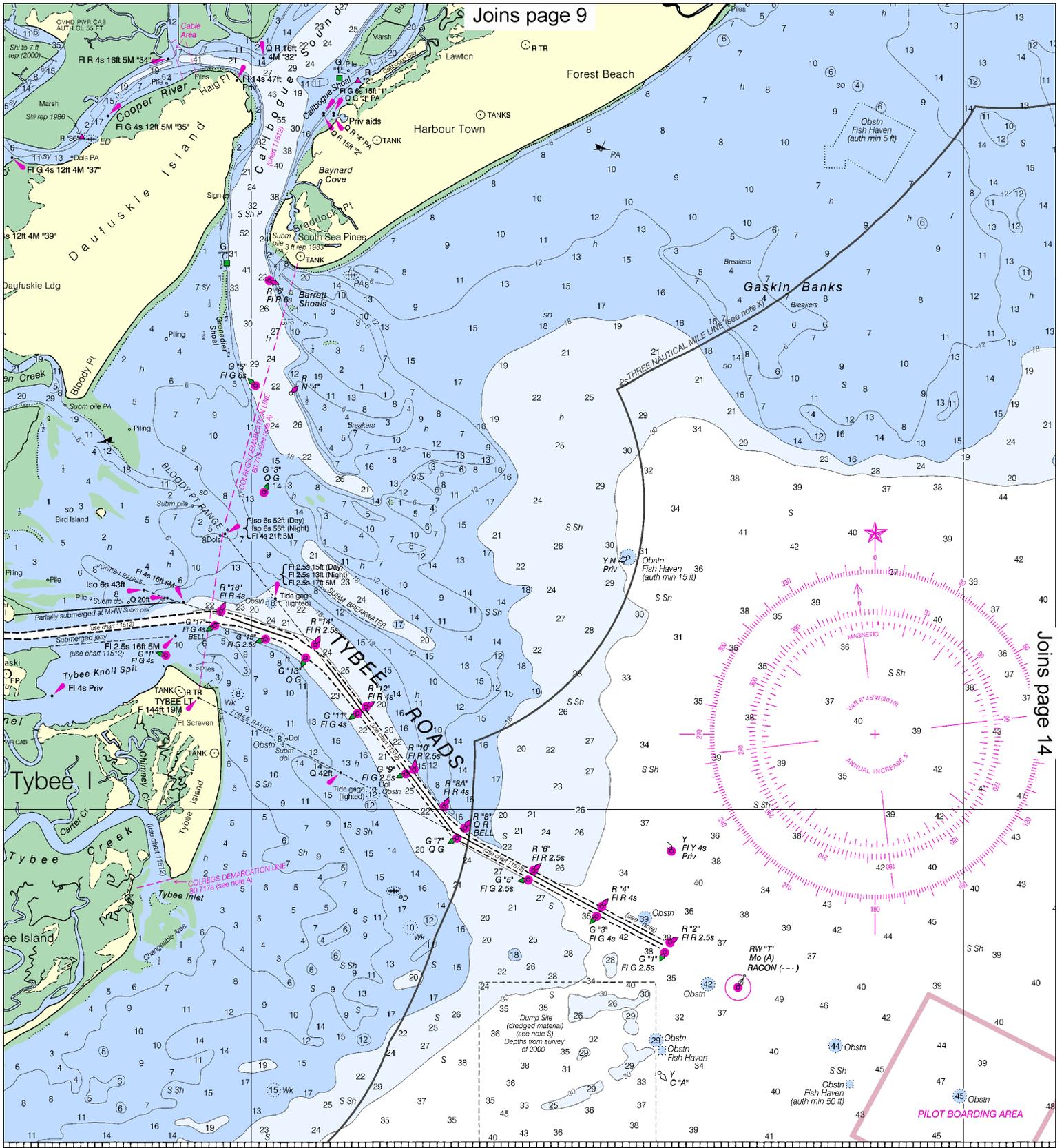
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:80,000  
 Nautical Miles

See Note on page 5.

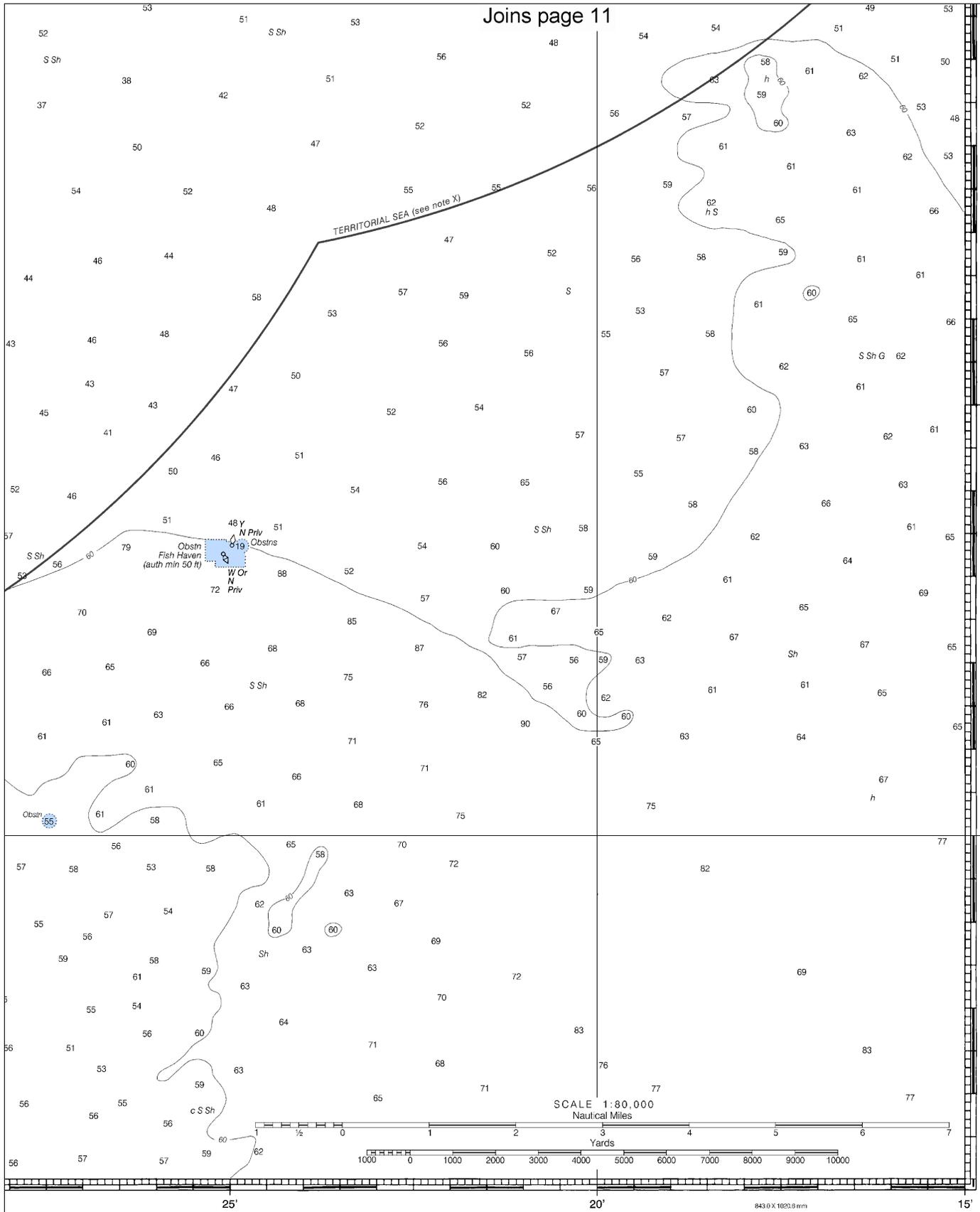




50' JOINS CHART 11509 45' 40'

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





05'

32°

FATHOMS	FEET	METERS
1	6	1.1
2	12	2.1
3	18	3.3
4	24	4.3
5	30	5.5
6	36	6.6
7	42	7.6
8	48	8.8
9	54	9.8
10	60	11.0
11	66	12.1
12	72	13.1
13	78	14.3
14	84	15.3
15	90	16.5
16	96	17.6
17	102	18.6

ED NO. 26

NSN 764201401062

NGA REFERENCE NO. 11AHA11513

SOUNDINGS IN FEET

St Helena Sound to Savannah River

SOUNDINGS IN FEET - SCALE 1:80,000

11513



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 and 78A** – Recreational boat channels.

**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.

### Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

### Quick References

- Nautical chart related products and information — <http://www.nauticalcharts.noaa.gov>
- Online chart viewer — <http://www.nauticalcharts.noaa.gov/mcd/NOAChartViewer.html>
- Report a chart discrepancy — <http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx>
- Chart and chart related inquiries and comments — <http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs>
- Chart updates (LNM and NM corrections) — [http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\\_NM.html](http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html)
- Coast Pilot online — <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>
- Tides and Currents — <http://tidesandcurrents.noaa.gov>
- Marine Forecasts — <http://www.nws.noaa.gov/om/marine/home.htm>
- National Data Buoy Center — <http://www.ndbc.noaa.gov/>
- NowCoast web portal for coastal conditions — <http://www.nowcoast.noaa.gov/>
- National Weather Service — <http://www.weather.gov/>
- National Hurricane Center — <http://www.nhc.noaa.gov/>
- Pacific Tsunami Warning Center — <http://ptwc.weather.gov/>
- Contact Us — <http://www.nauticalcharts.noaa.gov/staff/contact.htm>



— For the latest news from Coast Survey, follow @nauticalcharts



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

