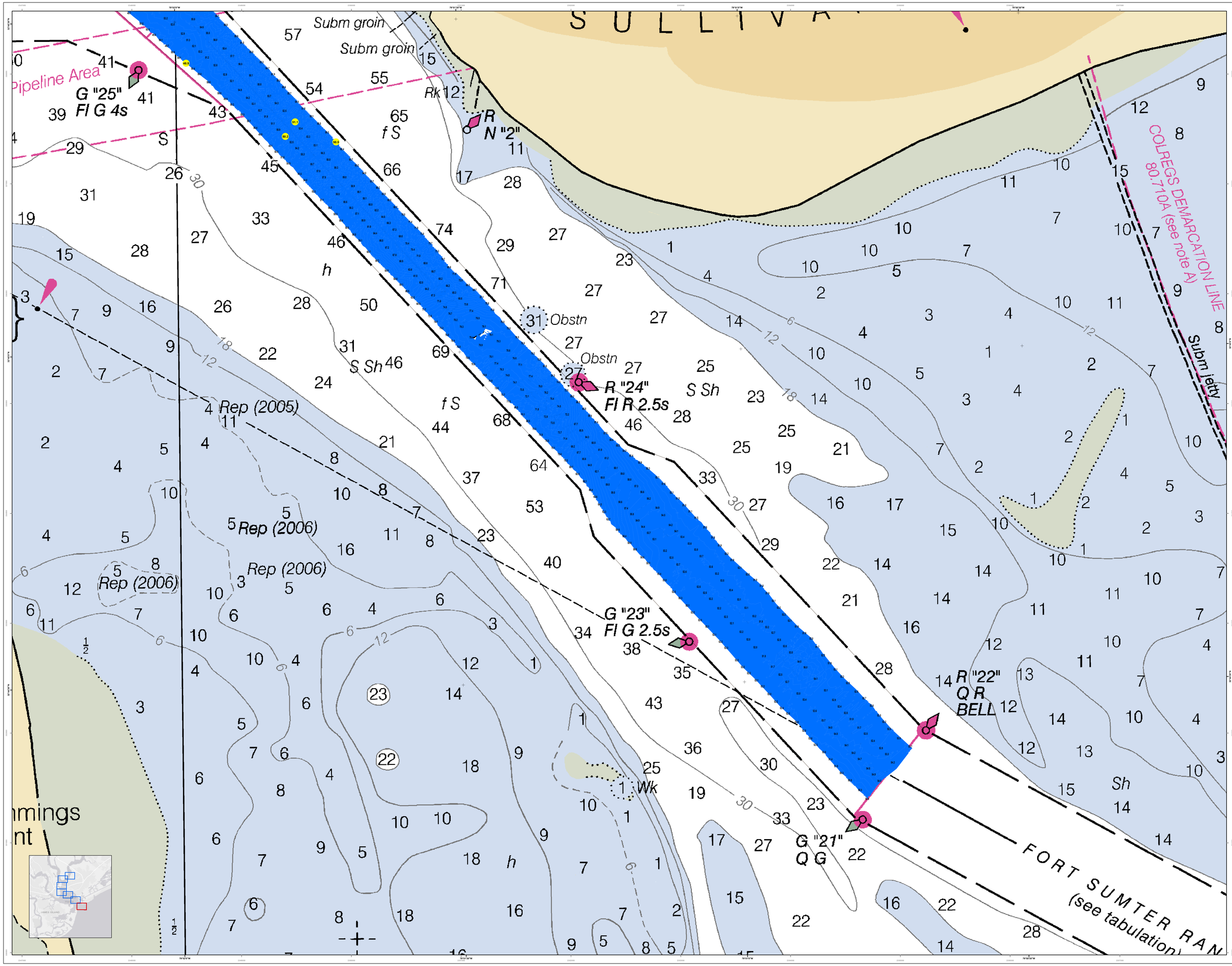


U.S. Army Corps of Engineers
Charleston District

Production Notes:
1. Contours and soundings shown on this product are for planing purposes only. Follow all navigation rules and aids.
2. Area surveyed conducted by the U.S. Army Corps of Engineers.
3. Soundings are in feet and tenths. Elevations are in feet above Mean Lower Low Water (MLLW).
Map Projection: NAD83 / Albers Lower 48 Feet
Map version 11/24

N

Feet 0 125 250 500 750 1,000

Depth in Feet
Green 0.0 to 3.0
Blue 3.1 to 6.0
Red 6.1 to 9.0
White 9.1 to 12.0
Yellow 12.1 to 21.0
Greater than 21.0

Legend
Bathymetric Sounding
Sounding may cover several bathymetric points or represent a portion of a larger area.
Obstruction, Wreck
Wreck-Submerged

USCG Buoy
Green
Red
White
Yellow
Preferred Navigation Channel
Left USCG Light
Right USCG Light
Coast Guard Beacon
Top Marker
Coast Guard Buoy

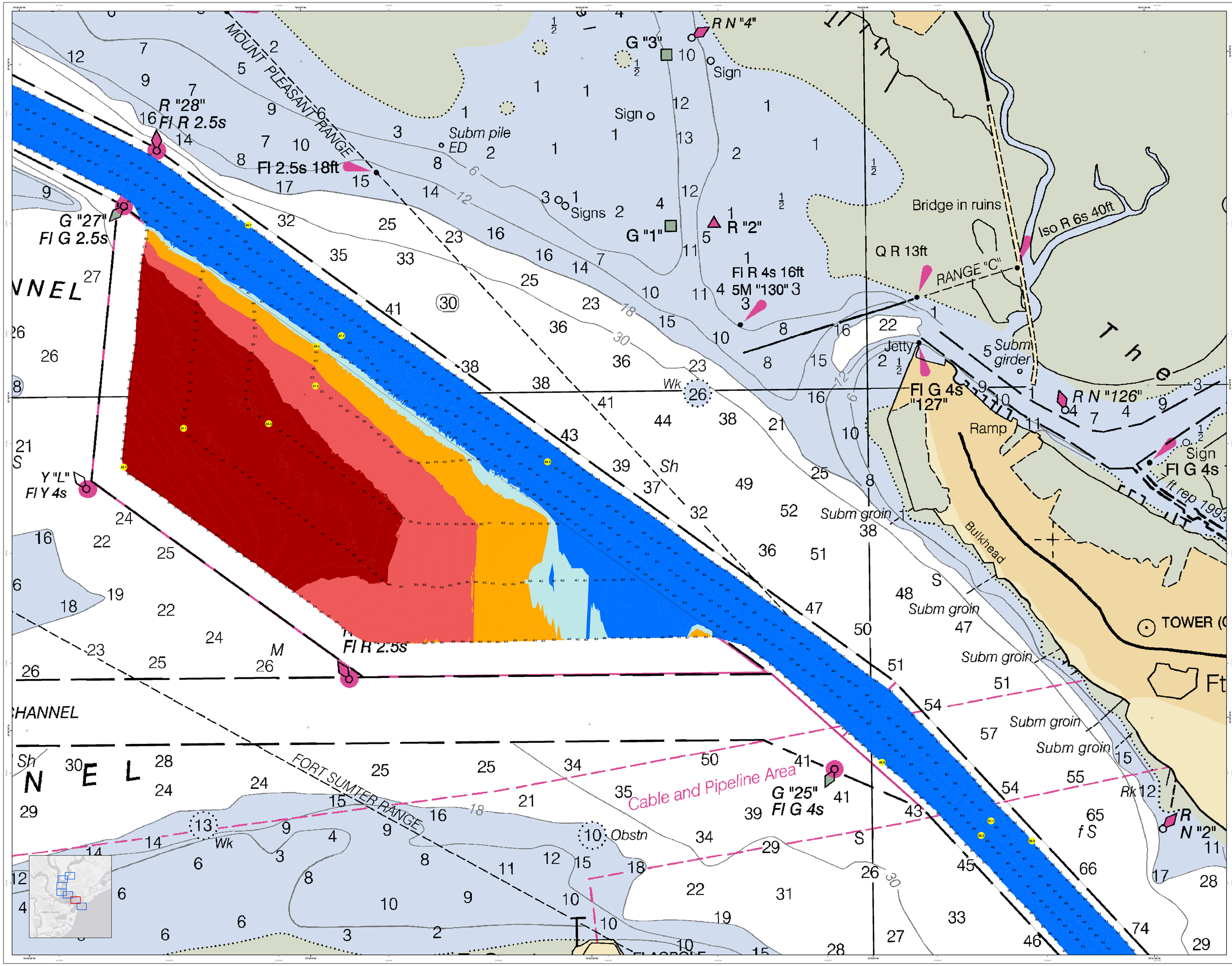
Designed By: eHydro Software v3.82	Survey Date: 15 SEP 2020
Reviewed By: Acoustic Solutions, Inc.	Production Date: 17 SEP 2020
Scale: 1:1,000	Project Reference Number: CS-14-0010
Reference Scale: 1 inch = 250 feet	Survey Type: Condition
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE
CHARLESTON, SC 29403
CESAC-CRS@USACE.ARMY.MIL

Charleston Lower Harbor Channel
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicative of general conditions existing at that time.
Concluded on: **15 SEP 2020**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 1 OF 7



U.S. Army Corps of Engineers
Charleston District

Legend

Seabed Sediments
Sand
Silt
Clay
Shell
Sounding may cover several adjacent or nearby features, per each supplier area

Obstructions
Wreck
Obstruction
Wreck-Submerged

USGS Rivers
Stream
Canal

USGS Roads
Primary
Secondary

Federal Navigation Channel
Left Edge
Right Edge
Right TOE Line
True Centerline

Light
Coast Guard Buoy
USGS Light
Coast Guard Beacon

Depth in Feet
Less than 3.0
3.1 to 6.0
6.1 to 9.0
9.1 to 12.0
Greater than 12.0

Production Notes:
1. Coordinates are referenced to the North American Datum of 1983 (NAD83) unless otherwise noted.
2. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW) unless otherwise noted.
3. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
Data sources: USACE, NOAA, NNC
Map version 11G4

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch be liable for direct, indirect, incidental, special, exemplary, or consequential damages, but not limited to, loss of anticipated profits or benefits arising out of the use of these products.
These data sets have been developed from the best available source materials. No representations are made concerning the data's accurate and reliable, errors and outside conditions. Users are responsible for verifying the suitability of these data for intended use. **Charts should not be used for navigation.** Any conclusions drawn from these data are the responsibility of the data supplier.
Mariners are encouraged to use all prudent safety measures.

Designed By: eHydro Software v3.82	Absolute Scale: 1:12,000	Survey Date: 15 SEP 2020	Production Date: 17 SEP 2020
Reviewed By: [Reviewer]		Project Reference Number: CESAC-20-HydroSurvey-0010	
Reference Scale: 1 inch = 250 feet		Survey Type: [Condition]	
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet			

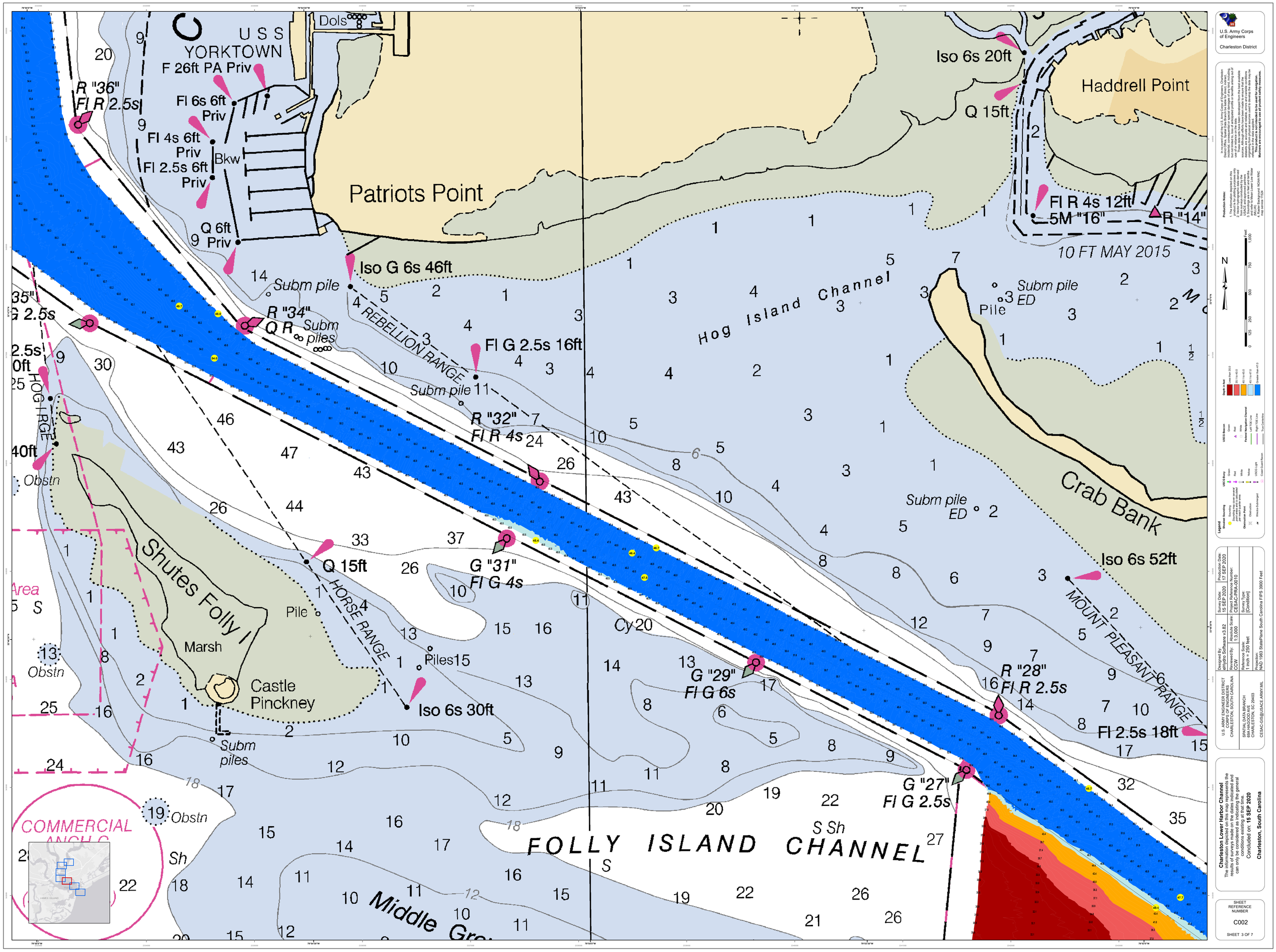
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE
CHARLESTON, SC 29403

CESAC-GIS@USACE.ARMY.MIL

Charleston Lower Harbor Channel
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as representing general conditions existing at that time.
Concluded on: **15 SEP 2020**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 2 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. Data compilation based on the Charleston District's standard procedures for plotting purposes only.
2. Bathymetric soundings were acquired from surveys conducted by the Charleston District and Corps Water Management Mobile District.
3. Soundings are in feet and tenths. Depth contours are in feet. Datum is Mean Lower Low Water (MLLW).

Source: Charleston District, NOAA RNC
Map version 11G4

Legend

Bathymetric Sounding
Sounding may cover several navigation channels, as per depth quarter area
Observed Wreck
Dangerous Wreck
Wreck-Submerged

USCG Buoys
Green
Red
White
Preferred Navigation Channel
Left Hand Side
Right Hand Side
Center Line
True Centerline

USCG Light
Yellow
White
Red
Green
Yellow
USCG Light
Coast Guard Room

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By: eHydro Software v.3.82
	Reviewed By: [Reviewer]
SPATIAL DATA BRANCH 69A HAGOOD AVE. CHARLESTON, SC 29403	Reference Scale: 1 inch = 250 feet
CESAC-GIS@USACE.ARMY.MIL	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet
Survey Date: 15 SEP 2020	Production Date: 17 SEP 2020
Project Reference Number: CESAC-2020-0010	
Survey Type: [Condition]	

Charleston Lower Harbor Channel

The information depicted on this map represents the results of surveys made on the dates indicated and can only represent the navigable waterway general conditions existing at that time.

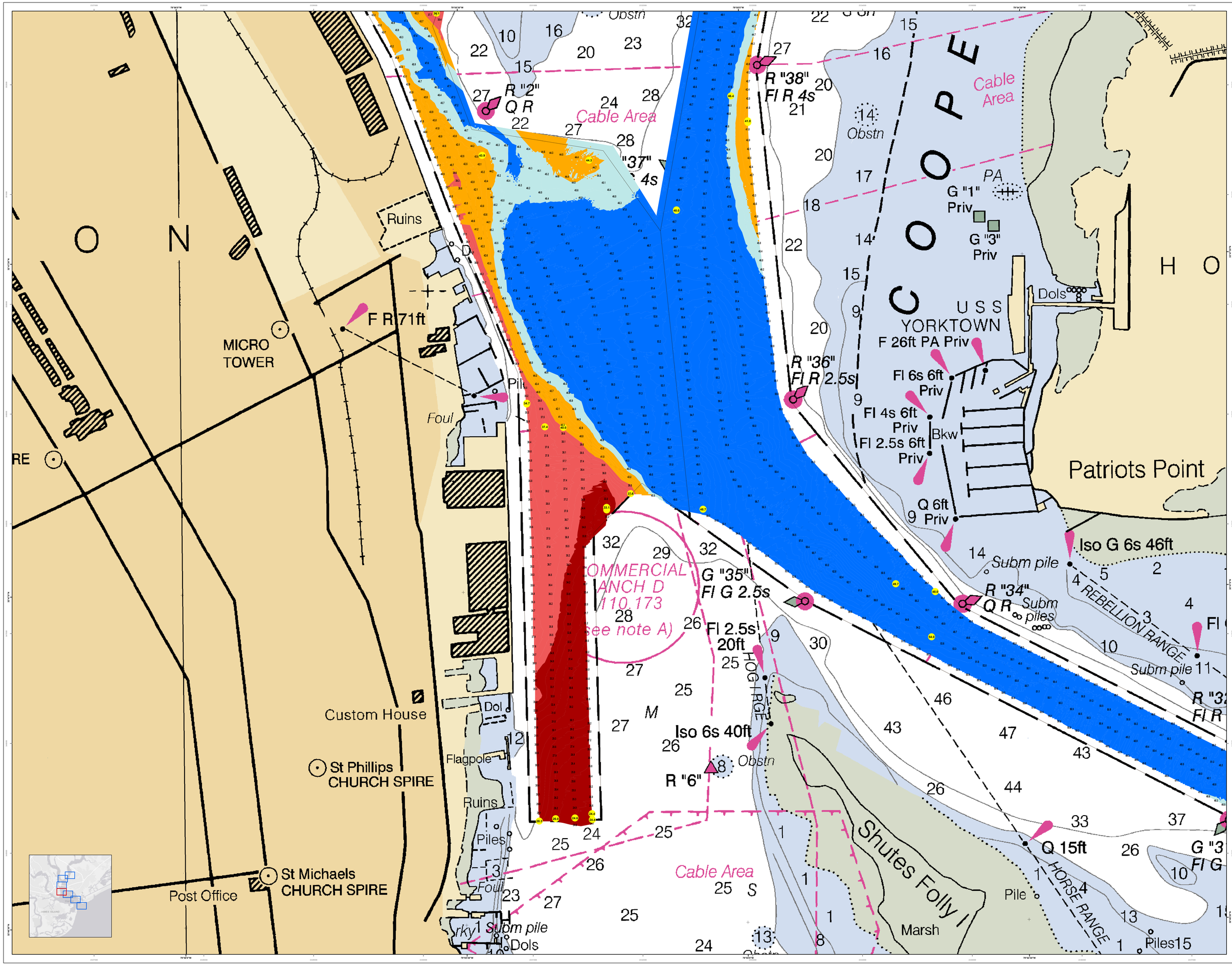
Concluded on: **15 SEP 2020**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 3 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch be liable for direct, indirect, incidental, special, exemplary, or consequential damages, but not limited to, loss of anticipated profits or benefits arising out of the use of this product.

These data sets have been developed from the best available source data and are subject to change without notice. While these datasets are accurate and reliable, errors and inaccurate conditions may exist in the source data and may not be accurately reflected in the data supplied.

This product is not to be used for navigation.

Mariners are encouraged to use all prudent safety measures.

N

0 125 250 500 750 1,000 Feet

Depth in Feet

- 0.0 to 3.0
- 3.1 to 6.0
- 6.1 to 9.0
- 9.1 to 12.0
- Greater than 12.0

Legend

Shoals - Sounding

USGS Buoys
- Green
- Red
- White

Federal Navigation Channel
- Left TSS Line
- Right TSS Line
- True Centerline

USCG Light
- Green
- Red
- White
- Yellow

Coast Guard Buoys

Sounding may cover several days and may be collected per each coastal area

Obstruction Buoys

Wreck-Submerged

Designed By: eHydro Software v3.82
Reviewed By: Absolute Scale: 1:12000
Reference Scale: 1 inch = 250 feet
Survey Date: 15 SEP 2020
Survey Type: [Condition]
Production Date: [17 SEP 2020]
Project Reference Number: CHA-20-04-0010
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE
CHARLESTON, SC 29403

CESAC-GIS@USACE.ARMY.MIL

Charleston Lower Harbor Channel

The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as a snapshot of the general conditions existing at that time.

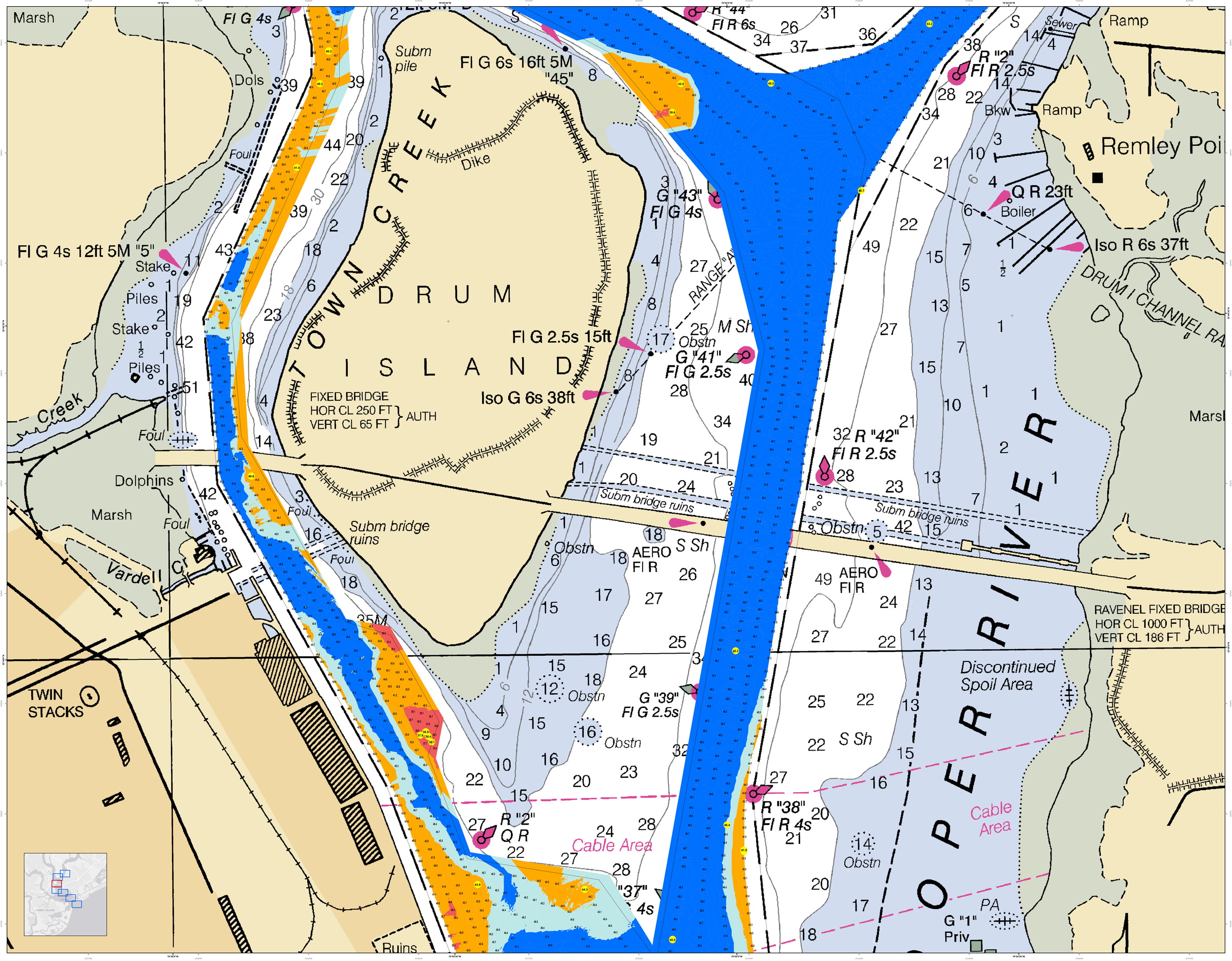
Concluded on: **15 SEP 2020**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 4 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch be liable for direct, indirect, incidental, special, exemplary, or consequential damages, but not limited to, loss of anticipated profits or benefits arising out of the use of this map.

These data sets have been developed from the best available source data. No warranty is made as to the accuracy, reliability, or completeness of these data. Users are cautioned to verify critical details and report any discrepancies to the Charleston District. Navigation charts should be used for navigation. Mariners are encouraged to use all prudent safety measures.

1. Coordinate system: NAD 1983 State Plane South Carolina FIPS 3900 Feet
2. Projection: Lambert Conformal Conic
3. Soundings are in feet and tenths
4. Survey was conducted by the U.S. Army Corps of Engineers (USACE) Mobile Laser Line Follow (MLLF)
5. Survey Type: [Condition]
6. Survey Date: 15 SEP 2020

Feet 0 125 250 500 750 1,000

N

Depth in Feet
- Shallow: 0 to 4.0
- 4.1 to 6.0
- 6.1 to 8.0
- 8.1 to 12.0
- Greater than 12.0

Legend

Bathymetric Sounding
- USACE Survey
- Soundings may cover several survey lines and are displayed per each bundle area
- Red
- White
- Yellow
- Obstruction Area
- Wreck
- Wreck-Submerged
- USCG Survey
- USCG Light
- Coast Guard Buoy
- Federal Navigation Channel
- Right 100' Line
- True Centerline

Designed By: eHydro Software v3.82	Survey Date: 15 SEP 2020
Reviewed By: [illegible]	Project Date: 17 SEP 2020
Reference Scale: 1 inch = 250 feet	Project Reference Number: CHA-20-04701
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	Survey Type: [Condition]

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE.
CHARLESTON, SC 29403

CESAC-GIS@USACE.ARMY.MIL

Charleston Lower Harbor Channel

The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as reflecting the general conditions existing at that time.

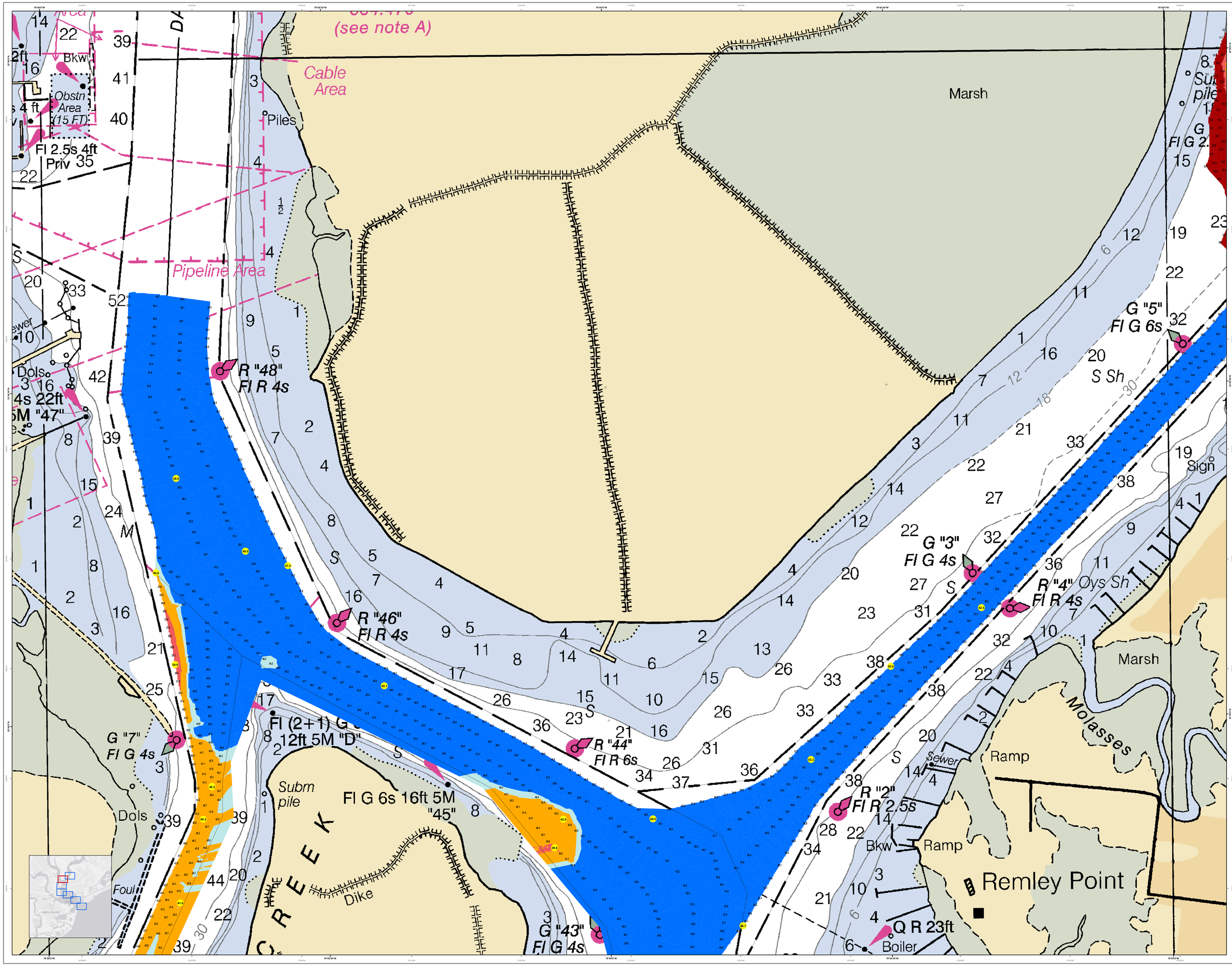
Concluded on: **15 SEP 2020**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 5 OF 7



U.S. Army Corps of Engineers
Charleston District

Legend
Station Sounding
Sounding may cover several charts. Select sounding for data per each bundle area
Obstruction, Wreck
Wreck-Submerged

USCG Buoy
Green
Red
White
Federal Navigation Channel
Right TSS Line
Left TSS Line
Trial Centerline

USCG Light
Yellow
White
Red
Green
Coast Guard Base

Depth in Feet
Less than 5.0
5.1 to 8.0
8.1 to 10.0
10.1 to 13.0
Greater than 13.0

N

Feet
0 125 250 500 750 1,000

Production Notes:
1. Feature locations compiled to this product are for plotting purposes only and are not to be used for navigation.
2. Bathymetric soundings were collected using single beam echosounders.
3. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
4. Coordinate System: NAD83 (2011) Epoch 2010.00, Units: Meters, Vertical Datum: NAVD88, Geoid: GEOID12B, Grid: NAD83(2011) / SC State Plane Zone 3900 (Lambert Conformal Conic), Units: Survey Feet.

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch be liable for direct, indirect, incidental, special, exemplary, or consequential damages, but not limited to, loss of anticipated profits or benefits arising out of the use of this product.
These data sets have been developed from the best available source materials. No warranty is made as to the accuracy, reliability, completeness, or suitability for any particular purpose of these data sets. Although these data sets have been developed using care, errors and omissions do occur, and neither the U.S. Army Corps of Engineers nor any of its employees or agents assumes any responsibility for any consequences of such errors or omissions.
Mariners are encouraged to use all prudent safety measures.

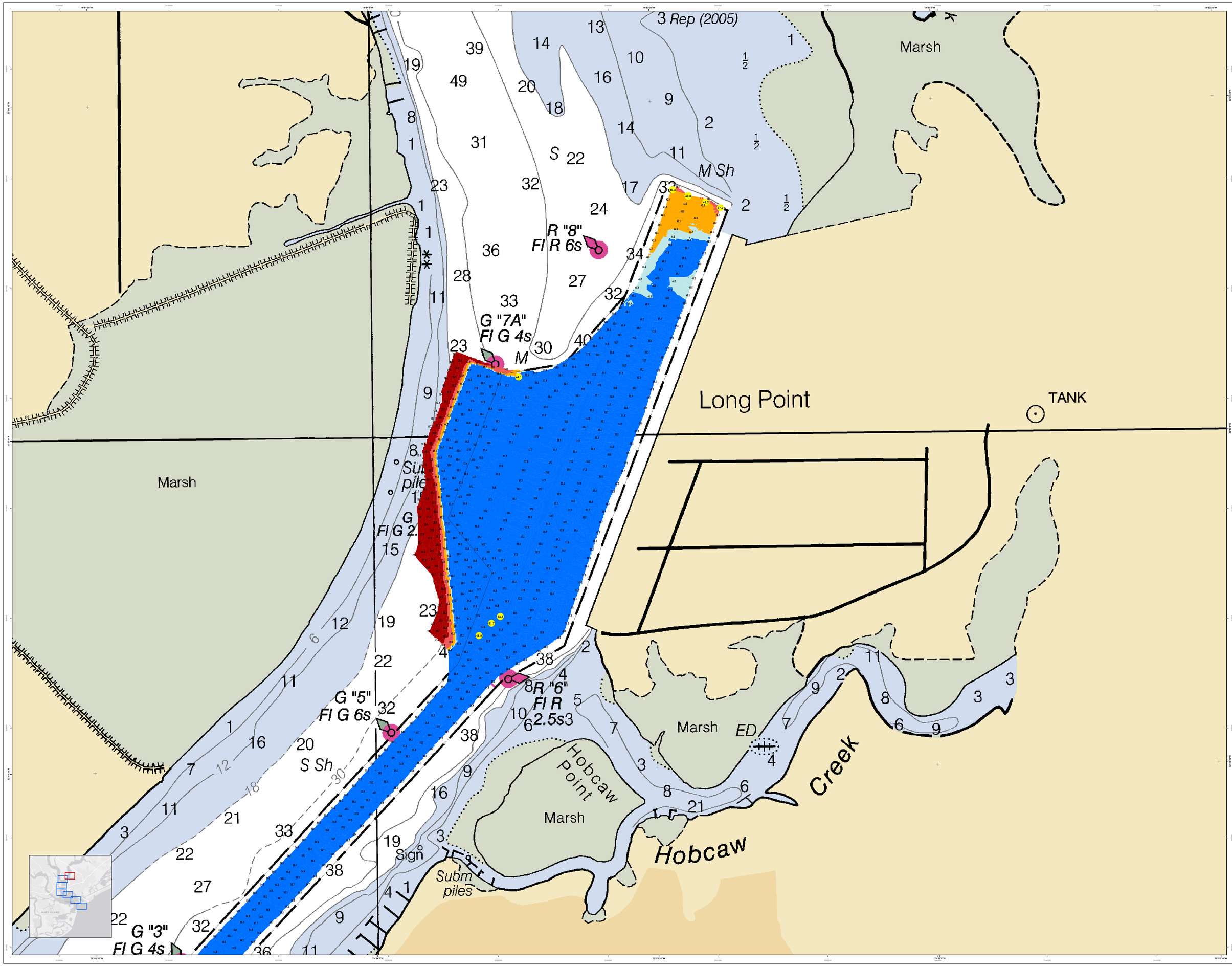
Designed By: eHydro Software v3.82	Survey Date: 15 SEP 2020
Reviewed By: [Reviewer]	Production Date: 17 SEP 2020
Reference Scale: 1 inch = 250 feet	Project Reference Number: CHS-2020-04010
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	Survey Type: [Condition]

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE.
CHARLESTON, SC 29403
CESAC-GIS@USACE.ARMY.MIL

Charleston Lower Harbor Channel
The information depicted on this map represents the results of surveys made on the dates indicated and can only represent the bottom configuration and general conditions existing at that time.
Concluded on: **15 SEP 2020**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 6 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:
1. This map was produced by the District Office, Spatial Data Branch for planning purposes only.
2. Bathymetric soundings were obtained from surveys conducted by the Charleston District, Corps of Engineers.
3. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
4. Coordinate System: NAD83, UTM Zone 17N
Map version 11G4

N

0 125 250 500 750 1,000 Feet

Depth in Feet
- 0.0 to 4.0
- 4.1 to 6.0
- 6.1 to 8.0
- 8.1 to 12.0
- Greater than 12.0

Legend
Bathymetric Sounding
- Soundings
- Soundings may cover several square miles and are spaced per each hydrographic area
- Obstructions and Features
- Wreck
- Obstruction
- Wreck-Submerged

USCG Buoys
- Green
- Red
- White

USCG Beacons
- Green
- Red
- White

Federal Navigation Channel
- Right Edge
- Left Edge
- Right TSS Line
- Left TSS Line
- True Centerline

USCG Light
- Coast Guard Room

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These data sets have been developed from the best available sources and are subject to constant modification. While these datasets are accurate and reliable, errors and inaccurate conditions may exist. Mariners should exercise caution and navigate in accordance with conditions reflected in the data supplied.
This map is not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA 29403

SPATIAL DATA BRANCH
69A HAGOOD AVE
CHARLESTON, SC 29403

CESAC-GIS@USACE.ARMY.MIL

Designed By: eHydro Software v3.82
Reviewed By: Cindy Dixon
Reference Scale: 1 inch = 250 feet
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet

Survey Date: 15 SEP 2020
Abscissa Scale: 1:1,000
Survey Type: [Condition]

Production Date: 17 SEP 2020
Project Datum: NAD 1983
Project Reference Number: CESAC-PD-2020-0010

Charleston Lower Harbor Channel
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.
Concluded on: **15 SEP 2020**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 7 OF 7