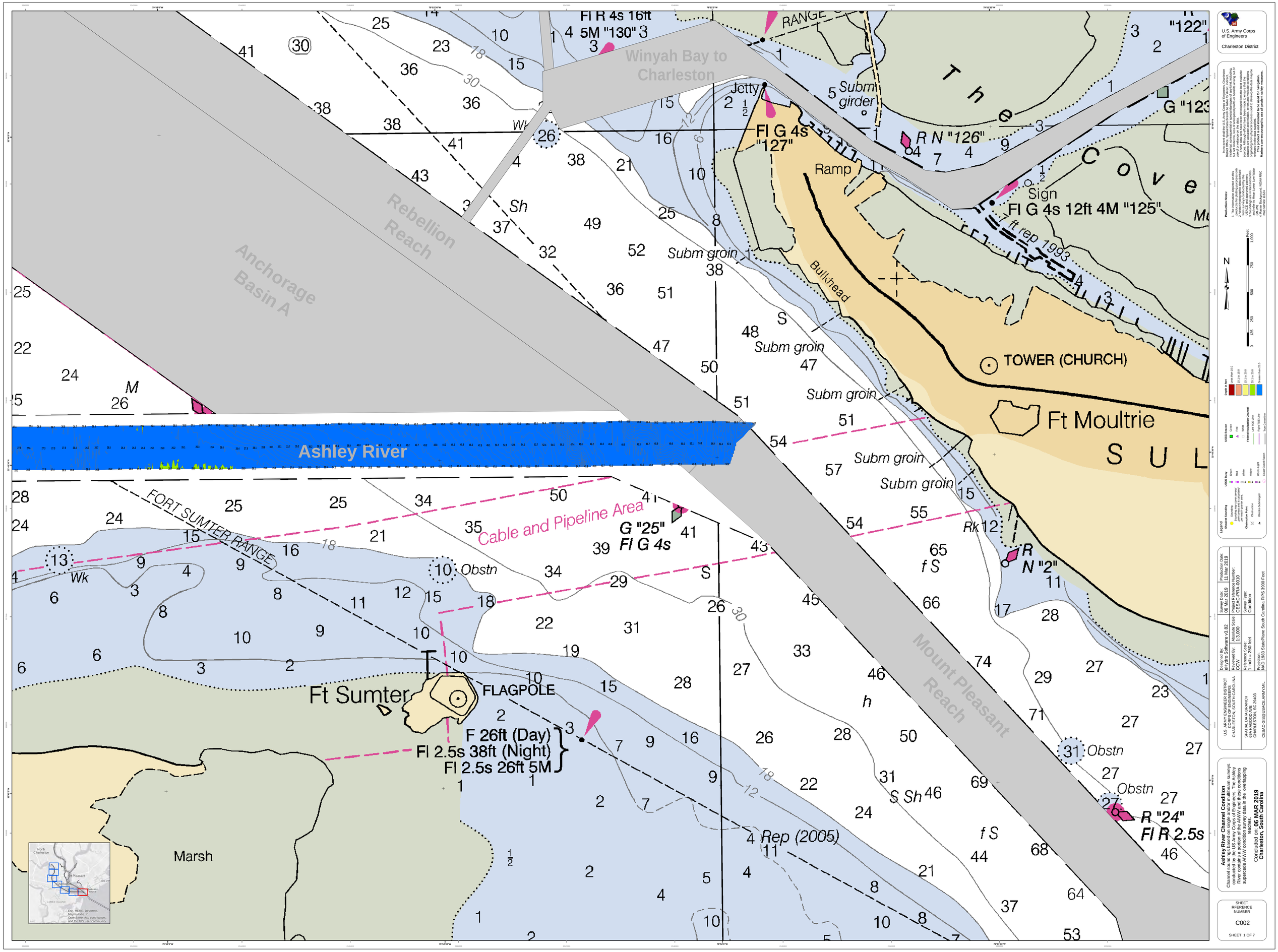


Ashley River Channel Condition

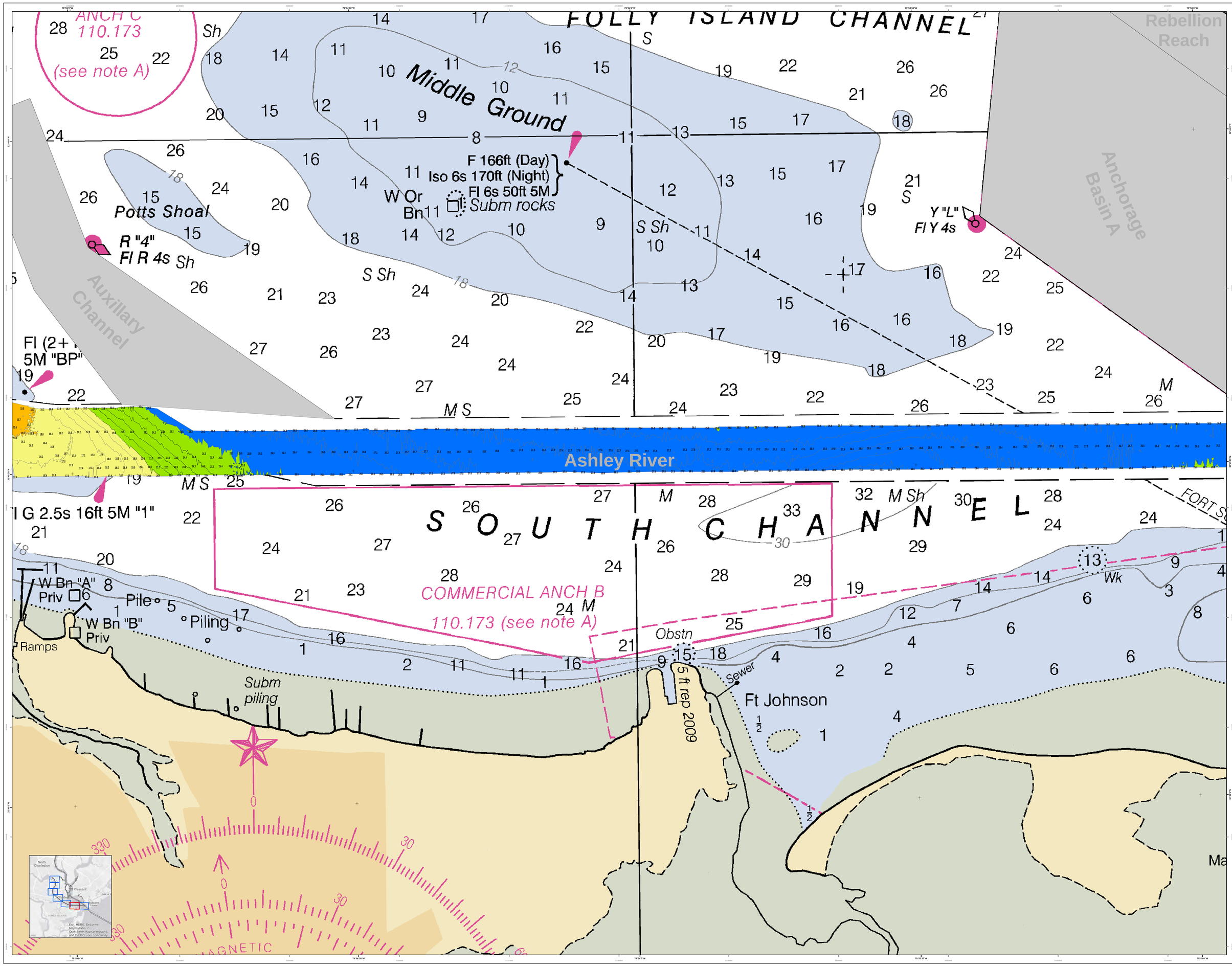
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River Channel is shown in the survey condition and supersede AWW condition survey data in the overlapping reaches.

Concluded on: 06 MAR 2019
Charleston, South Carolina

SHEET RFERENCE NUMBER

C002

SHEET 1 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. Data was collected and processed by contractors for grading compliance only. Data was not processed to NOAA standards. Data surveys conducted by the Charleston District Survey Crew and 3-Soundings are in feet and meters. Datum is Mean Lower Low Water (MLLW). Datum conversion: MLLW=MHW-PRC Ang-service 11/24

Legend

Sediment Sounding
- Sounding may cover several sediment samples, or multiple soundings may cover one sediment sample area.

Obstructions/Hazards
- Wreck/Submerged

USCG Buoys
- Green
- Red
- White

Federal Navigation Channel
- Right TOC Line
- Left TOC Line

USCG Light
- Yellow
- White

Coast Guard Racon

Depth in Feet
- 0.0 to 5.0
- 5.1 to 10.0
- 10.1 to 15.0
- 15.1 to 20.0
- 20.1 to 25.0
- Greater than 25.0

True Centerline

Designed By: eHydro Software v3.82	Survey Date: 06 Mar 2019
Reviewed By: CDM	Production Date: 11 Mar 2019
Checked By:	Absolute Scale: 1:12,000
Project Reference Number: CESAC-CDM-2019	
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

Ashley River Channel Condition

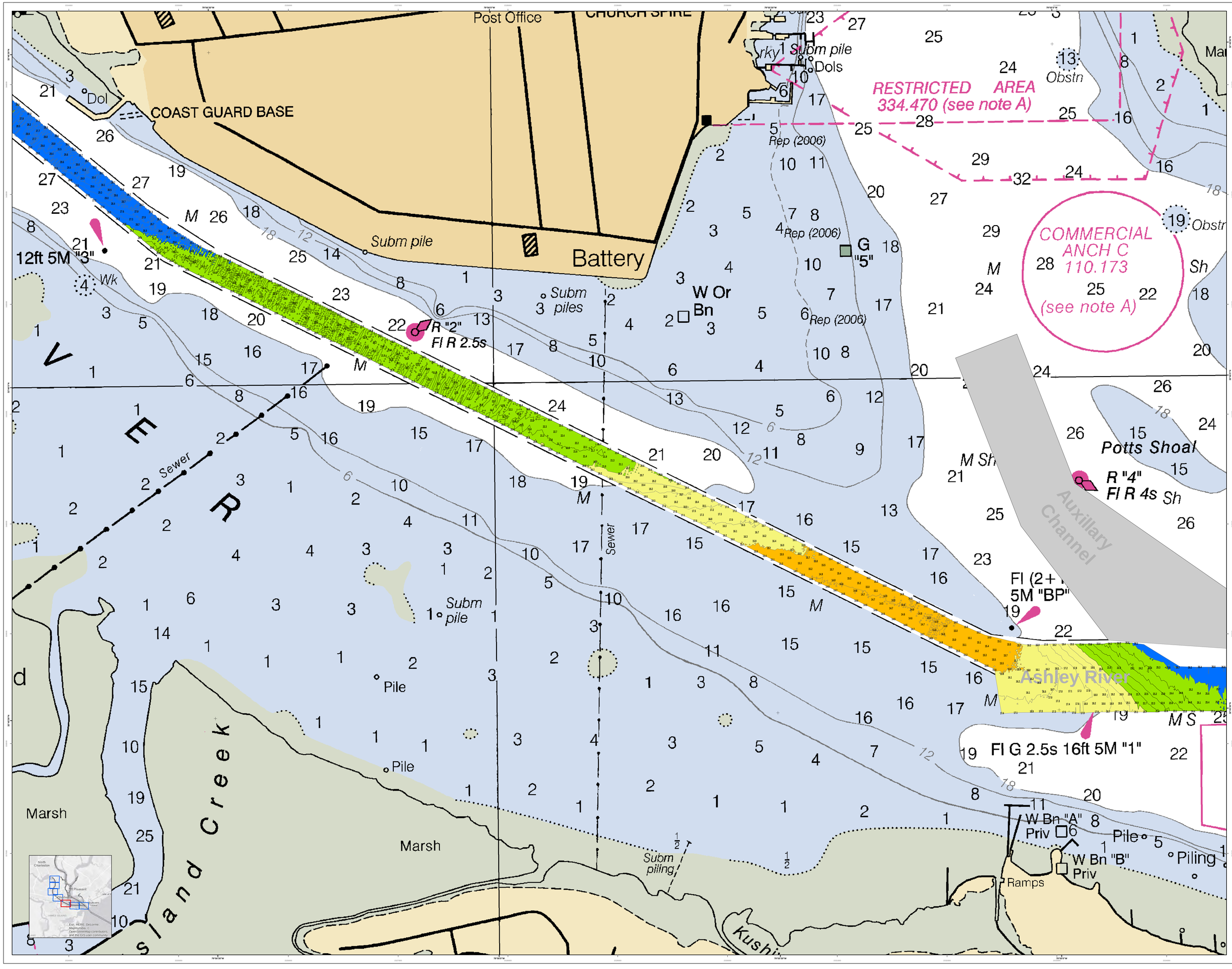
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River contains several AWW and one AWW-Limited superceded AWW condition survey data in the overlapping reaches.

Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET
REFERENCE
NUMBER

C002

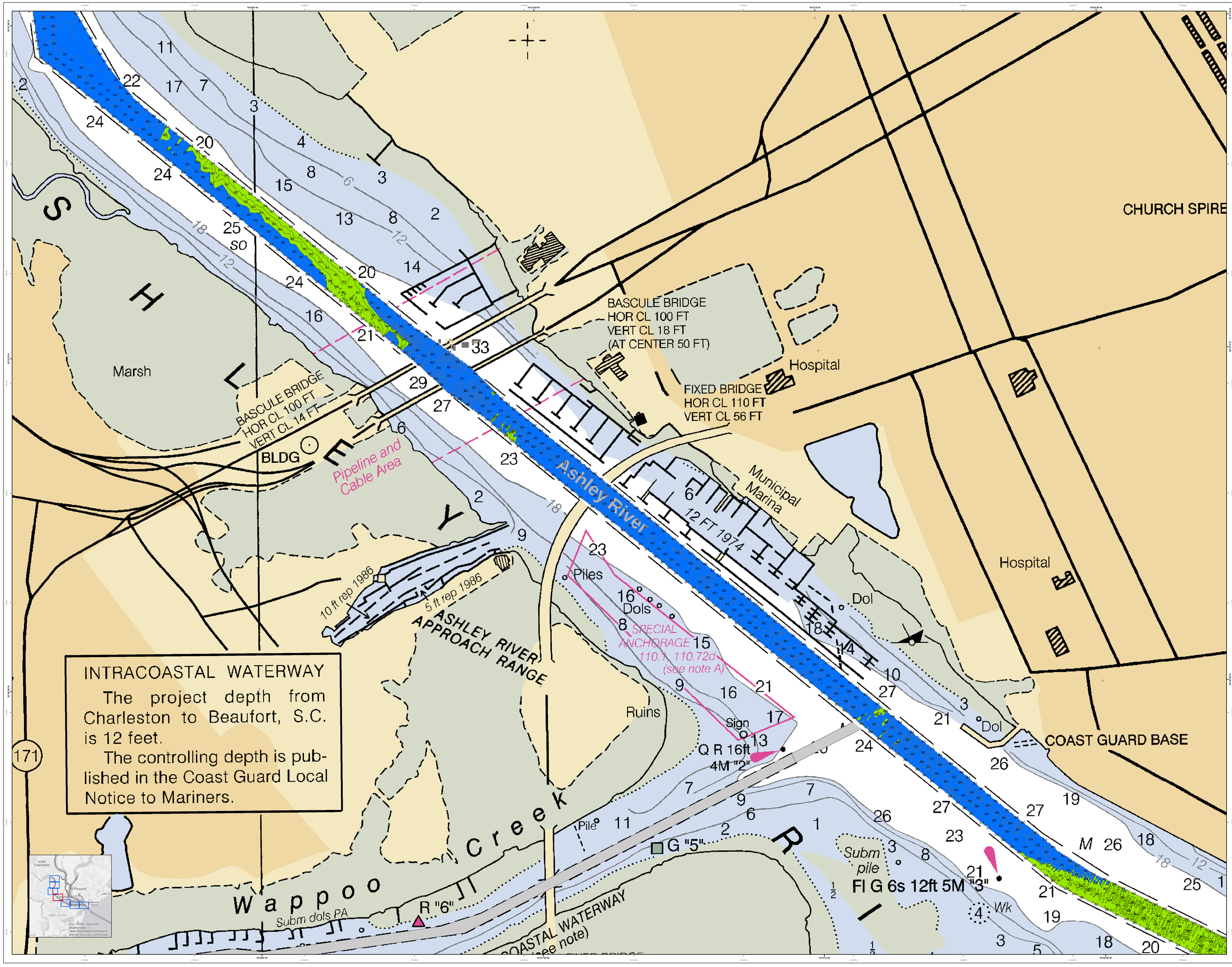
SHEET 2 OF 7



U.S. Army Corps of Engineers
Charleston District

Ashley River Channel Condition
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River channel is surveyed in multiple reaches. Newer surveys supercede AWW condition survey data in the overlapping reaches.
Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET RFERENCE NUMBER
C002
SHEET 3 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:
1. Data sources used in the production of this product for grading purposes only are the most current available and have been produced by the Charleston District, U.S. Army Corps of Engineers.
2. Soundings are in feet and tenths.
3. Coordinates are in feet and meters (NAD83) in Modes Lower Line Western Zone (FIPS 3900).
Map Version 1.0.4

N

0 125 250 500 750 1,000 FEET

Depth in Feet
Less than 10.0
10.1 to 15.0
15.1 to 20.0
20.1 to 25.0
Greater than 25.0

USCG Buoys
Green
Red
White
Federal Navigation Channel
Left TOC Line
Right TOC Line
True Centerline

USCG Beacons
Green
Red
White
Yellow
USCG Light
Closed Guard Racon

Legend
Station Sounding
Sounding
Soundings may cover several adjacent survey lines per reach/survey area.
Obstruction Types
Obstruction
Wreck-Submerged

Survey Date: 06 Mar 2019	Production Date: 11 Mar 2019
Project Reference Number: CHA-19-04001	
Survey Type: Condition	
Reference Scale: 1 inch = 250 feet	
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	

Designed By: ehydro Software v3.82
Reviewed By: Alisoure Scale: 1:12,000

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

SPATIAL DATA BRANCH
69A HAGOOD AVE
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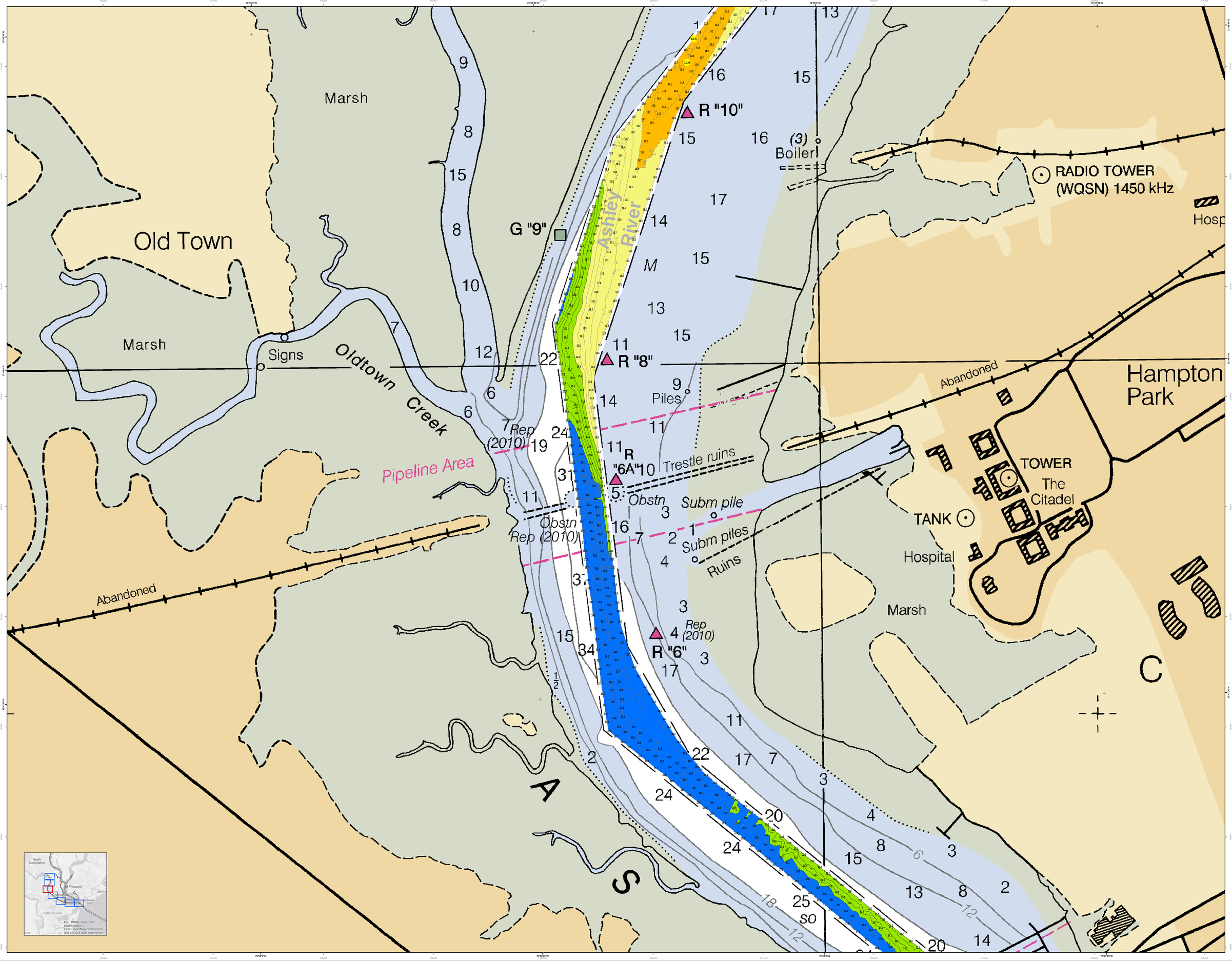
CESAC-GIS@USACE.ARMY.MIL

Ashley River Channel Condition
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River channel is surveyed annually. Mariners should supersede AWW condition survey data in the overlapping reaches.
Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET RFERENCE NUMBER
C002
SHEET 4 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. Data was prepared and compiled by the District Office, Spatial Data Branch for use in preparing navigation products for planning purposes only. Data was compiled from various sources and surveys conducted by the Charleston District and other agencies.
2. Soundings are in feet and tenths.
3. Coordinates are in feet and North American Datum of 1983 (NAD83). Mean Lower Low Water (MLLW) Datum is based on NOAA Pine Island tide station 8664168.

N

0 125 250 500 750 1,000 FEET

Depth in feet

- Greater than 10.0
- 5.0 to 10.0
- 3.0 to 5.0
- 2.0 to 3.0
- Greater than 20.0

USCG Buoys

- Green
- Red
- Red
- White

Federal Navigation Channel

- Edge of Channel
- Right TOE Line
- True Centerline

USCG Buoys

- Green
- Red
- White
- Yellow
- USCG Light
- Closed Guard Racon

Legend

Soundings

- Sounding
- Sounding may cover several survey points, depending on scale and zoom level, or may be spaced far apart in areas of much quarter area.

Operational Aids

- USCG Buoys
- Wreck-Submerged

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By: ehydro Software v3.82	Survey Date: 06 Mar 2019	Production Date: 11 Mar 2019
	Reviewed By: COW	Absolute Scale: 1:1,000	Project Reference Number: CHA-PW-0001
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403 CESAC-GIS@USACE.ARMY.MIL	Reference Scale: 1 inch = 250 feet	Survey Type: Condition	
	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet		

Ashley River Channel Condition

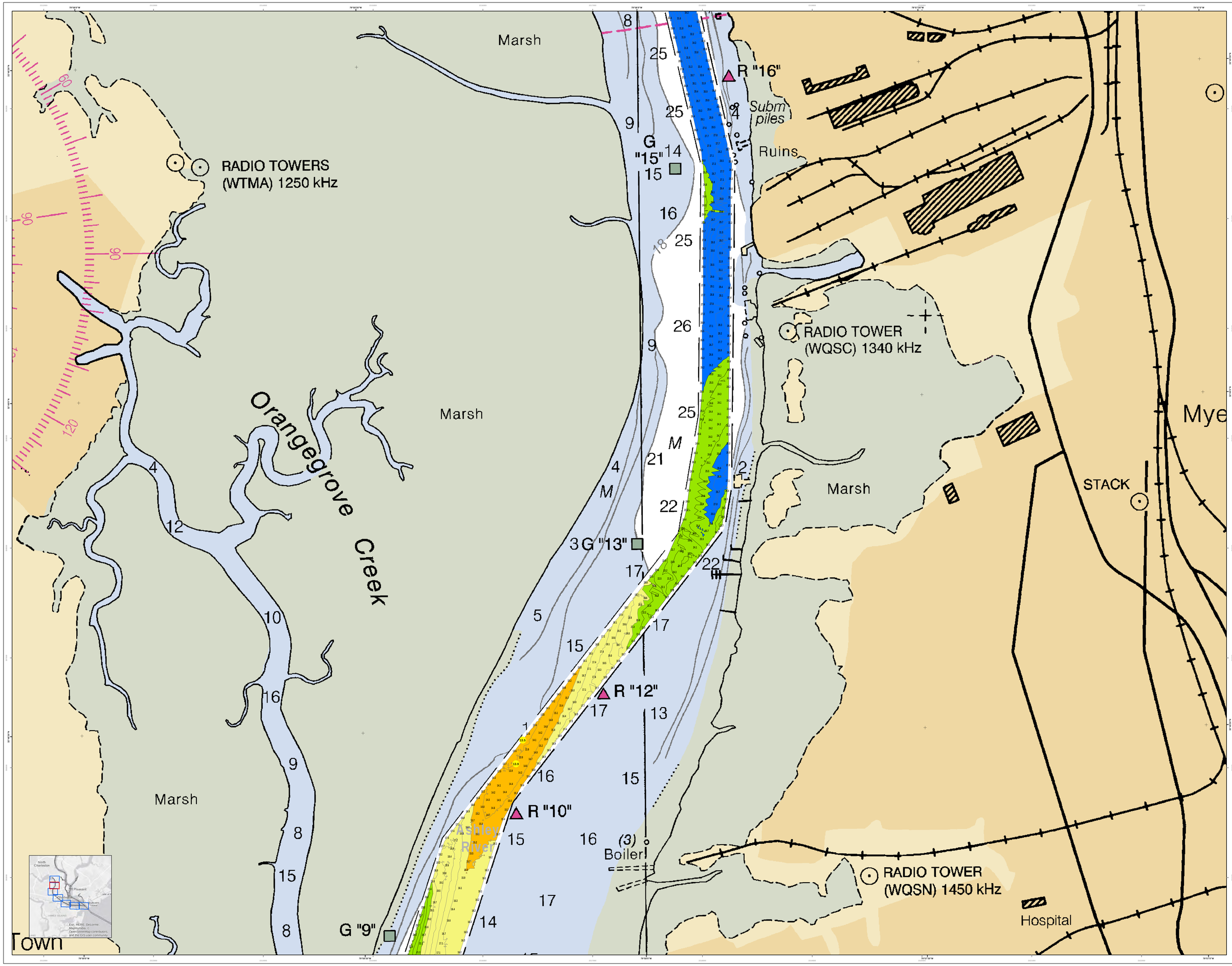
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River channel was surveyed in March 2019 and these soundings supercede AWW condition survey data in the overlapping reaches.

Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET RFERENCE NUMBER

C002

SHEET 5 OF 7



U.S. Army Corps of Engineers
Charleston District

Legend

Soundings

Soundings may cover overlap and are displayed in order per match quarter area.

Depth Scale

Depth Area

Depth Area (<10.0)

Depth Area (10.0 to 15.0)

Depth Area (15.0 to 20.0)

Depth Area (>20.0)

USACE Buoys

Green

Red

White

Federal Navigation Channel

Right-TOC Line

Right-TOC Line

True Centerline

USCG Buoys

Red

White

Yellow

USCG Light

Wreck-Submerged

Coast Guard Beacon

Obstruction

Obstruction

Wreck-Submerged

Production Notes:

1. Data shown on this chart was compiled from the products for planning purposes only and may not be suitable for navigation. All hydrographic surveys conducted by the U.S. Army Corps of Engineers are referenced to Mean Lower Low Water (MLLW).
2. Soundings are in feet and tenths.
3. Coordinate System: North American Datum 1983 (NAD83), Lambert Conformal Conic, Lat/Long Datum: NAD83, Projection: Lambert Conformal Conic, Units: Meters, Datum: NAD83, Zone: Alabama East, Units: Meters, Projection Parameters: Central Meridian: -85.833333333333, Latitude of Origin: 30.5, False Easting: 0.000000, False Northing: 0.000000, Standard Parallel 1: 30.683333333333, Standard Parallel 2: 30.233333333333, Scale Factor: 1.000000, Linear Unit: Meter (1.000000), Geographic Coordinate System: GCS_North_American_1983, Angular Unit: Degree (0.017453292519943295), Prime Meridian: Greenwich (0.000000000000000), Datum: D_North_American_1983, Spheroid: GRS_1980, Semi-major Axis: 6378137.000000000000000, Inverse Flattening: 298.257222101000000.

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 data set.

These data sets have been developed from the best available source data and are subject to revision. We do not guarantee the datasets are accurate and reliable, errors and variable conditions may exist in the source data, and conditions may change after collection of the data occurred.

Mariners are encouraged to use all prudent safety measures.

Designed By: eHydro Software v3.82	Survey Date: 06 Mar 2019
Reviewed By: Jason Cox	Production Date: 11 Mar 2019
Reference Scale: 1 inch = 250 feet	Project Reference Number: CHA-CHS-2018-0010
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
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Ashley River Channel Condition

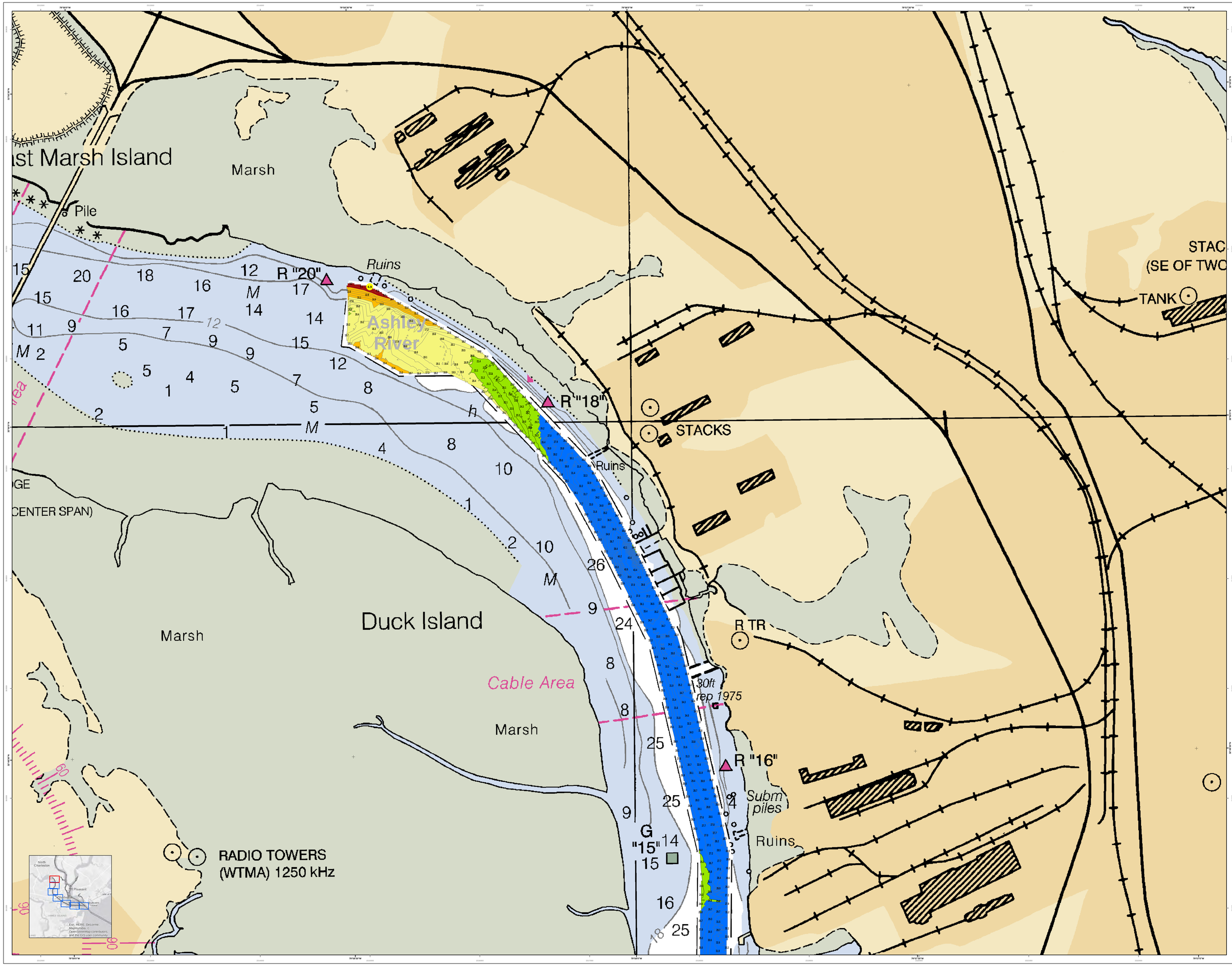
Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River channel is surveyed on a yearly basis. This survey supersede AWW condition survey data in the overlapping reaches.

Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET RFERENCE NUMBER

C002

SHEET 6 OF 7



U.S. Army Corps of Engineers

Charleston District

Disclaimer:

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 arising out of or in connection with the use of these data, including, but not limited to, loss of anticipated profits or benefits arising out of the use of these data.

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 variable conditions may exist in the source data. Users should exercise caution when utilizing these datasets in the data analysis.

These datasets are not to be used for navigation. Mariners are encouraged to use all prudent safety measures.

Production Notes:

1. Layers were created using ESRI Arcmap 10.3 software and exported to Arcpublisher for plotting purposes only.
2. Soundings are based on multibeam survey data survey conducted by the Charleston District, Spatial Data Branch.
3. Soundings are in feet and tenths.
4. Coordinate system: Universal Transverse Mercator (UTM) Meters Lower Line Western Hemisphere (NAD83)
5. Map created using ArcGIS Map Service 11C4

N

0 125 250 500 750 1,000 FEET

Depth in feet

- 0.0 to 9.9 (Less than 10.0)
- 10.0 to 19.9
- 20.0 to 29.9
- Greater than 29.9

Legend

Survey Soundings

- USACE Buoys
  - Green
  - Red
  - White
- Federal Navigation Channel
  - Left TOC Line
  - Right TOC Line
- Other Navigation Features
  - Wrecks (Submerged)
  - USCG Light
  - Coast Guard Beacon
  - True Centerline

Designed By: eHydro Software v3.82	Survey Date: 06 Mar 2019	Production Date: 11 Mar 2019
Reviewed By: CCRA	Absolute Scale: 1:1,000	Project Reference Number: CESAC-PCP-SD-2019
		Survey Type: Condition
Reference Scale: 1 inch = 250 feet		
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet		

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

SPATIAL DATA BRANCH
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CESAC-GIS@USACE.ARMY.MIL

Ashley River Channel Condition

Channel soundings based on single and/or multibeam surveys conducted by the US Army Corps of Engineers. The Ashley River channel was surveyed and the survey data was compared to superceded AWW condition survey data in the overlapping reaches.

Concluded on: **06 MAR 2019**
Charleston, South Carolina

SHEET
REFERENCE
NUMBER

C002

SHEET 7 OF 7