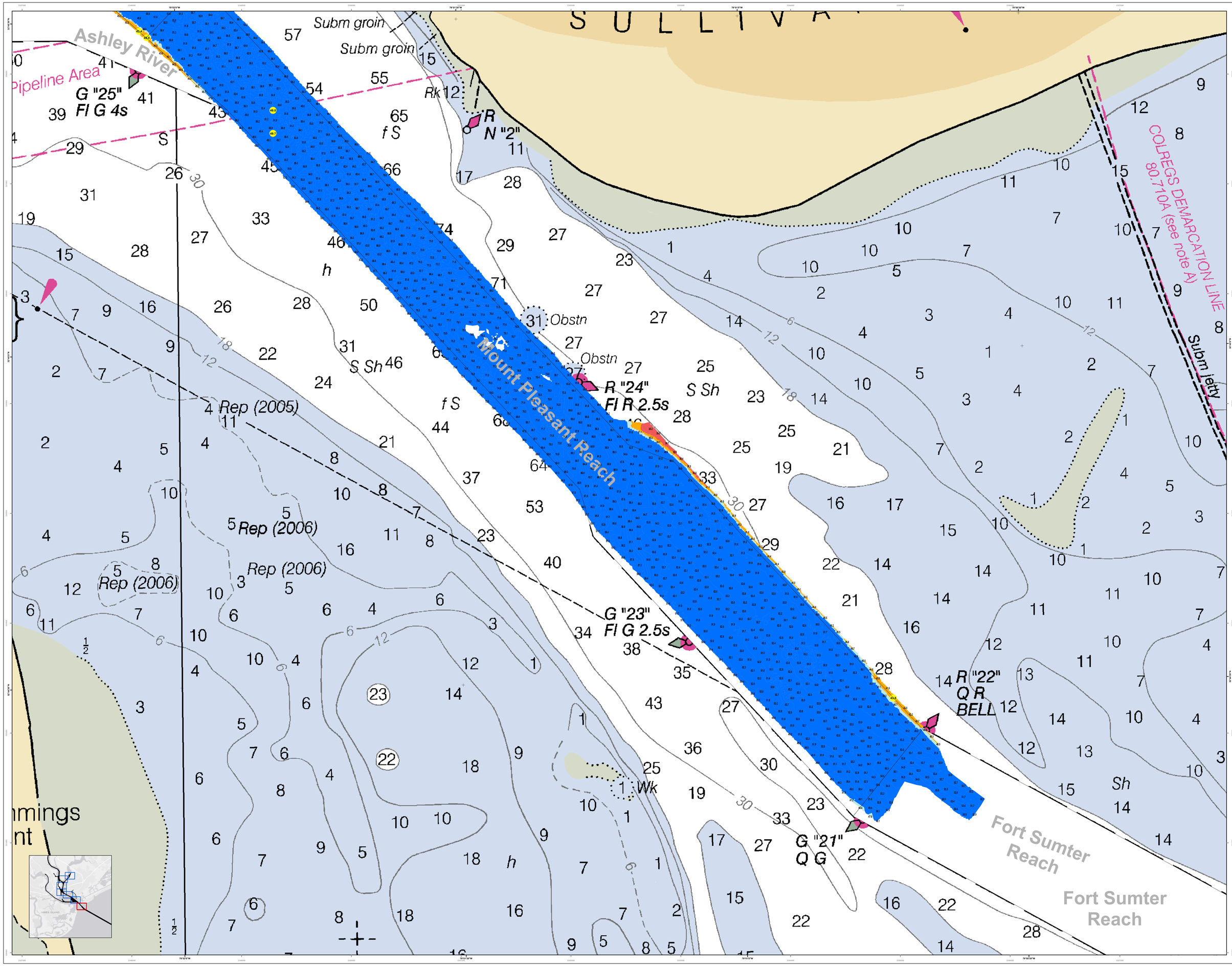


U.S. Army Corps of Engineers
Charleston District

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, including, 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 insure that the data is current and that it accurately reflects the most recent conditions in the area covered by the data set. **This chart is not to be used for navigation.**
Mariners are encouraged to use all prudent safety measures.

Production Notes:
1. Depth contours shown on this product are for plotting purposes only. Contours are generated from the most recent survey conducted by the U.S. Army Corps of Engineers, Charleston District.
2. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
3. Datum: NAD 1983 - NOAA VDAC Ship version 11G4

N

Feet 0 125 250 500 750 1,000

Legend
Shoalest Sounding
Sounding
Sounding may cover several features or be located off-plot per which quarter area.
Obstruction
Obstruction
Wreck
Wreck-Submerged

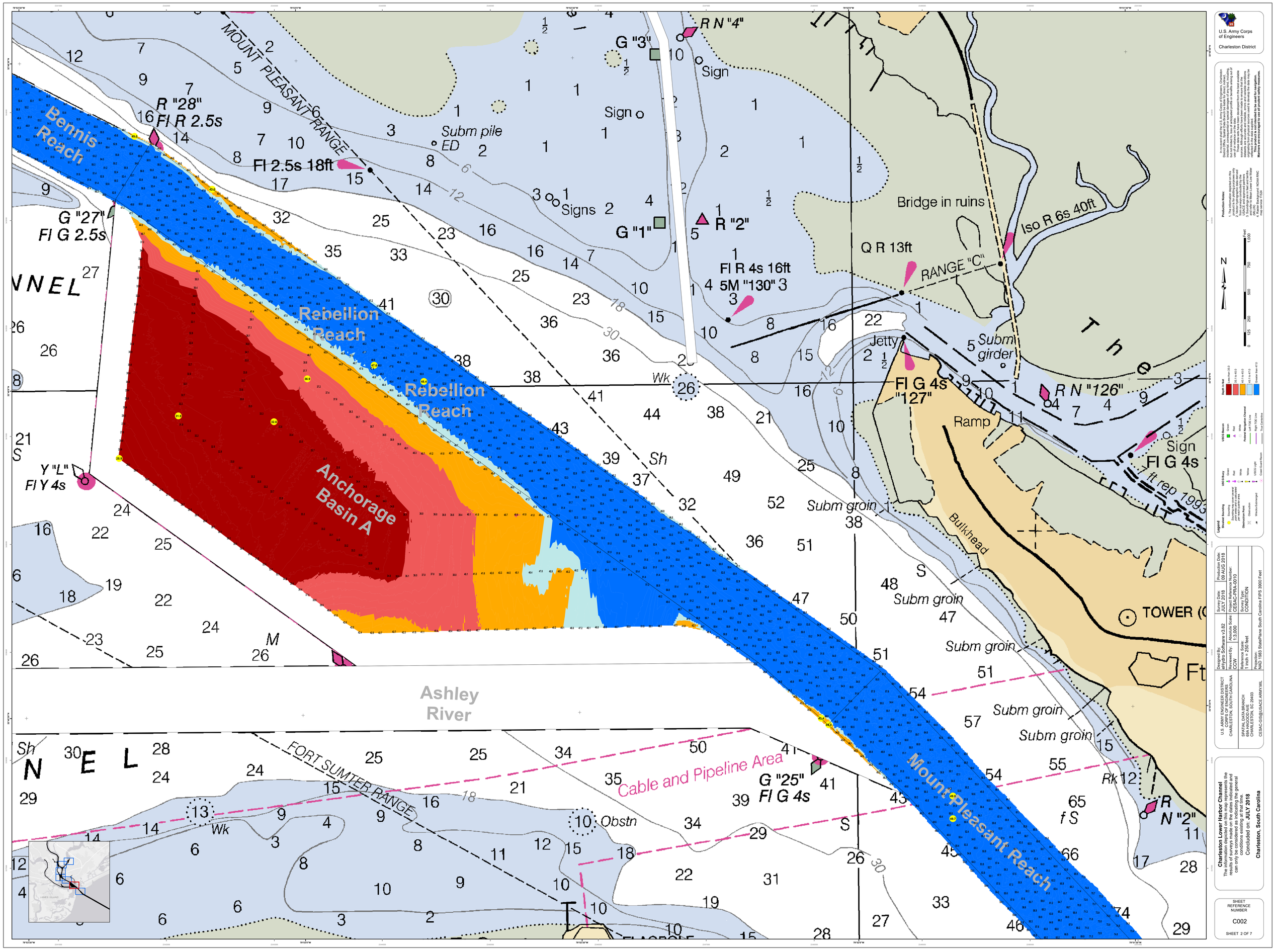
Depth in feet
Shoal to 3.0
3.1 to 6.0
6.1 to 9.0
9.1 to 12.0
Greater than 12.0

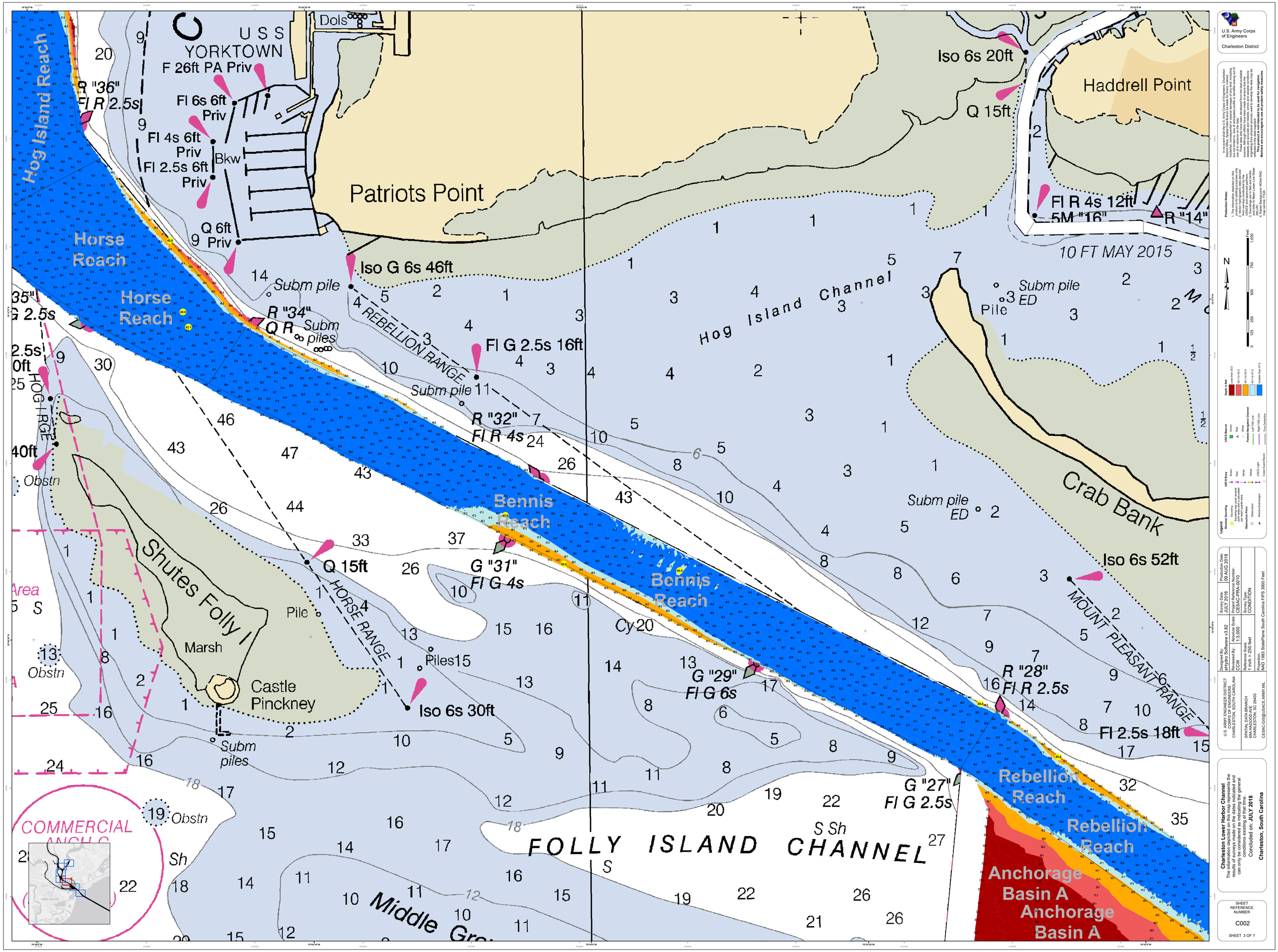
USCG Buoys
Green
Red
White
Federal Navigation Channel
Left TOC Line
Right TOC Line
USCG Light
Coast Guard Beacon
True Centerline

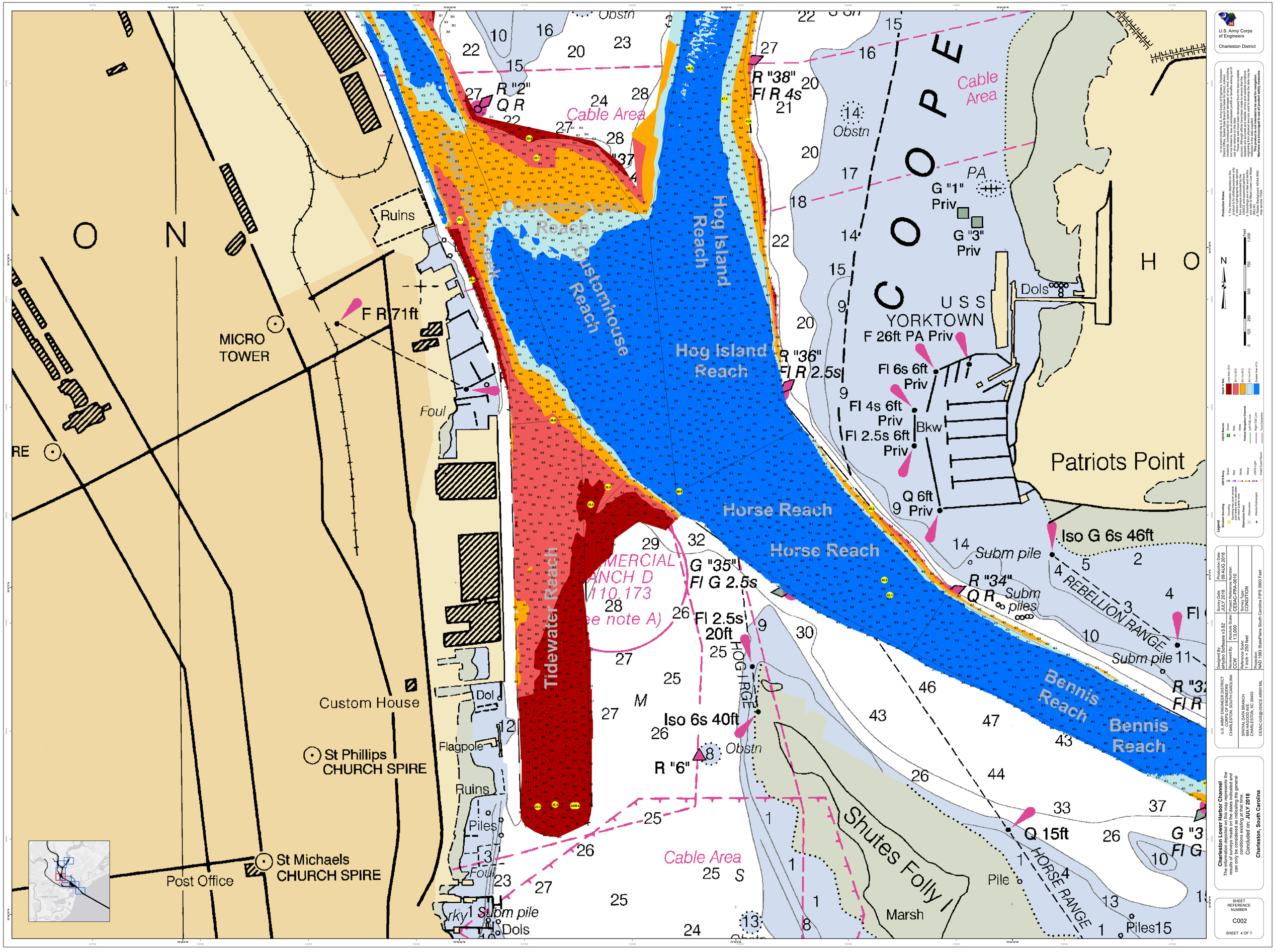
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By: eHydro Software v3.82	Survey Date: JULY 2018	Production Date: 09 AUG 2018
	Reviewed By: COA	Acoustic Sounding: 3.1.0.0	Project Reference Number: CESAC-CW-CHARLESTON-HA010
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, 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		

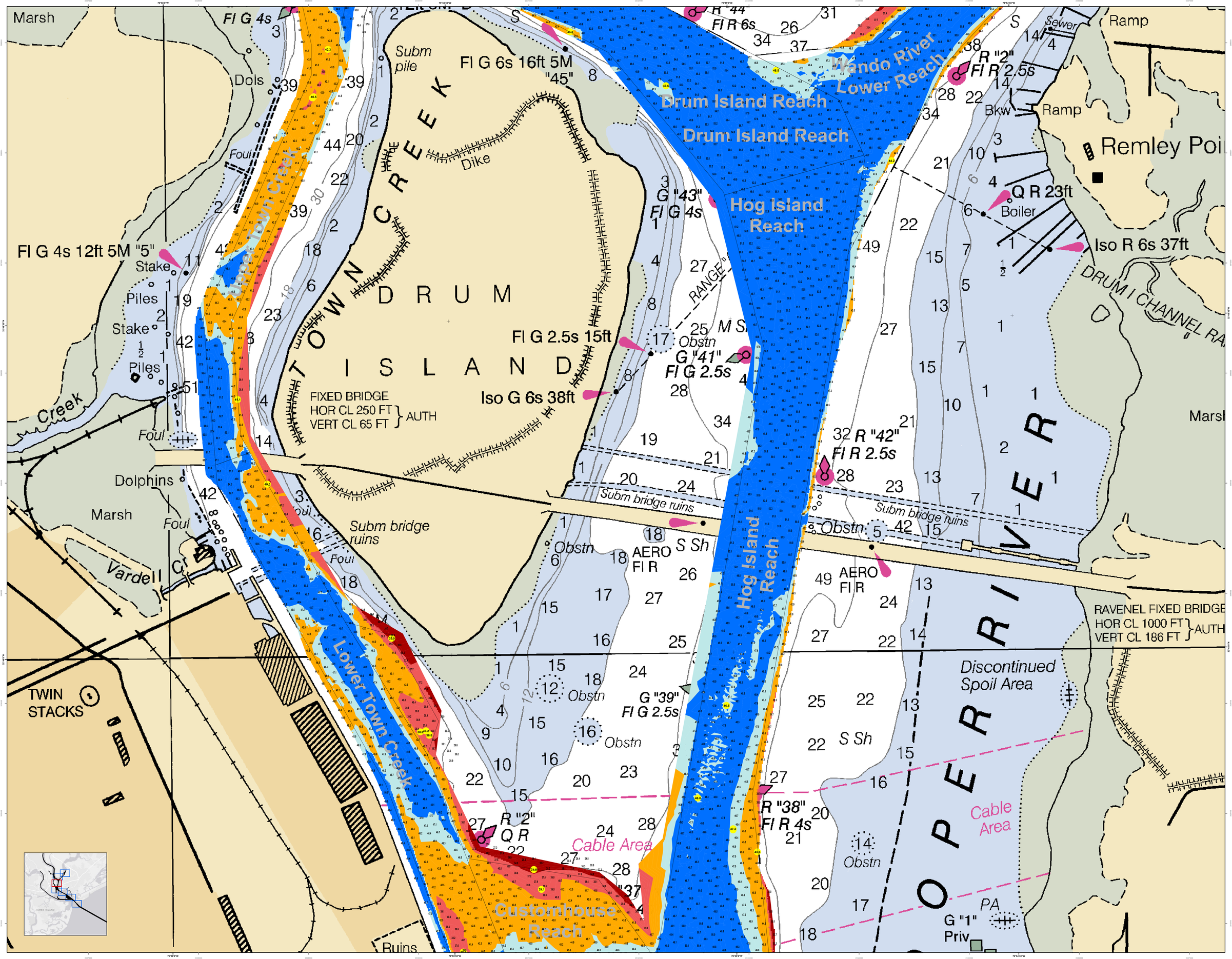
Charleston Lower Harbor Channel
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating general conditions existing at that time.
Concluded on: **JULY 2018**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 1 OF 7


U.S. Army Corps of Engineers
Charleston District
MOUNT PLEASANT RANGE
Bennis Reach
R "28"
Fl R 2.5s
Fl 2.5s 18ft
G "27"
Fl G 2.5s
Y "L"
Fl Y 4s
Rebellion Reach
Rebellion Reach
Anchorage Basin A
Subm pile
ED
Sign
Signs
G "3"
G "1"
R N "4"
R "2"
Fl R 4s 16ft
5M "130"
Bridge in ruins
Q R 13ft
RANGE "C"
Iso R 6s 40ft
Jetty
Subm girder
Fl G 4s
"127"
Ramp
R N "126"
Sign
Fl G 4s
Subm groin
Bulkhead
Subm groin
Subm groin
Subm groin
Subm groin
TOWER
Ashley River
FORT SUMTER RANGE
Cable and Pipeline Area
G "25"
Fl G 4s
Obstn
Mount Pleasant Reach
R N "2"
Wk
Sh
Rk
Production Notes:
1. Data in this map meet or exceed the standards for intended use. This product is for planning purposes only and is not to be used for navigation.
2. Data were compiled by the Charleston District using best available data.
3. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
Datum: NAD 1983 / Mean Lower Low Water (MLLW)
Map version 11G4
Feet
0 125 250 500 750 1,000
N
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
USCG Buoys
Green
Red
USCG Beacons
Red
White
Federal Navigation Channel
Right TSS Line
Left TSS Line
Legend
Bathymetric Sounding
Sounding may cover several navigation channels or cover part of each quarter area
Obstruction
Obstruction
Wreck-Submerged
Wreck-Submerged
USCG Light
Coast Guard Buoy
Coast Guard Beacon
Designed By: eHydro Software v3.82
Reviewed by: CCH
Absolute Scale: 1:1,000
Survey Date: JULY 2018
Production Date: 09 AUG 2018
Project Reference Number: CEAC-CHA-2018-0010
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 indicating general conditions existing at that time.
Concluded on: JULY 2018
Charleston, South Carolina
SHEET REFERENCE NUMBER
C002
SHEET 2 OF 7


U.S. Army Corps of Engineers
Charleston District
USS YORKTOWN
Dols
F 26ft PA Priv
Fl 6s 6ft Priv
Fl 4s 6ft Priv
Fl 2.5s 6ft Priv
Bkw
Q 6ft Priv
R "36" Fl R 2.5s
Hog Island Reach
Horse Reach
Horse Reach
Patriots Point
Iso G 6s 46ft
Subm pile
R "34" Q R
Subm piles
REBELLION RANGE
Fl G 2.5s 16ft
Subm pile
R "32" Fl R 4s
Hog Island Channel
Iso 6s 20ft
Haddrell Point
Q 15ft
Fl R 4s 12ft 5M "16"
R "14"
10 FT MAY 2015
Subm pile
ED
Pile
Crab Bank
Subm pile
ED
Iso 6s 52ft
MOUNT PLEASANT RANGE
R "28" Fl R 2.5s
Fl 2.5s 18ft
G "27" Fl G 2.5s
Rebellion Reach
Rebellion Reach
Anchorage Basin A
Anchorage Basin A
Bennis Reach
Bennis Reach
G "31" Fl G 4s
G "29" Fl G 6s
Cy 20
Q 15ft
HORSE RANGE
Piles
Iso 6s 30ft
Subm piles
Shutes Folly I
Marsh
Castle Pinckney
Pile
Obstn
Obstn
Obstn
HOG LRGE
40ft
Obstn
COMMERCIAL ANCH C
S Sh
FOLLY ISLAND CHANNEL
Middle Gro
Production Notes:
1. Data shown on this product is for planning purposes only. Data has been compiled from various sources maintained by the District, Charleston, South Carolina.
2. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
3. Aids to Navigation are depicted as shown on NOAA RNC chart series 11324.
Legend
Bathymetric Sounding
Soundings may cover several navigation charts. Refer to charts for complete coverage.
Depth Area
Obstruction
Wreck
Wreck-Submerged
Depth in feet
Less than 5.0
5.1 to 6.0
6.1 to 8.0
8.1 to 12.0
Greater than 12.0
USCG Buoys
Green
Red
White
Yellow
Red
White
Yellow
USCG Light
Coast Guard Buoys
Federal Navigation Channel
Left TSS Line
Right TSS Line
True Centerline
Production Date: 09 AUG 2018
Survey Date: JULY 2018
Project Reference Number: CHS-F-NA-0701
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: Assistant Chief, Hydrographic Branch
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403
CESAC-ORS@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 and shoreline general conditions existing at that time.
Concluded on: JULY 2018
Charleston, South Carolina
SHEET REFERENCE NUMBER
C002
SHEET 3 OF 7


U.S. Army Corps of Engineers
Charleston District
Cable Area
Ruins
MICRO TOWER
F R 71ft
Foul
Custom House Reach
Hog Island Reach
Horse Reach
Tidewater Reach
Bennis Reach
Shutes Folly I
Marsh
Patriots Point
USS YORKTOWN
F 26ft PA Priv
Fl 6s 6ft Priv
Fl 4s 6ft Priv
Fl 2.5s 6ft Priv
Q 6ft Priv
Bkw
Dols
Iso G 6s 46ft
Subm pile
R "34" Q R
REBELLION RANGE
HORSE RANGE
Q 15ft
Pile
Piles
G "35" Fl G 2.5s
Fl 2.5s 20ft
HOG LRGE
Iso 6s 40ft
R "6"
Obstn
R "38" Fl R 4s
R "36" Fl R 2.5s
R "2" Q R
G "1" Priv
G "3" Priv
PA
Custom House
St Phillips CHURCH SPIRE
St Michaels CHURCH SPIRE
Post Office
Flagpole
Dol
Rky
Production Notes:
1. Depth soundings shown on this product are for planning purposes only. Mariners should use the most recent Notices to Mariners published by the U.S. Coast Guard for navigation.
2. Soundings are in feet and tenths.
3. Soundings are referenced to Mean Lower Low Water (MLLW).
Datum: NAD 1983 Horizontal / NGVD 29 Vertical
Map version 11/24
Legend
Depth in feet
USCG Buoys
Federal Navigation Channel
Survey Date: JULY 2018
Production Date: 09 AUG 2018
Designed By: eHydro Software v3.82
Reviewed By: Absolute Scale
Project Number: CH18001
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 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 surveyed condition of the general conditions existing at that time.
Concluded on: JULY 2018
Charleston, South Carolina
SHEET REFERENCE NUMBER
C002
SHEET 4 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:

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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 outside conditions may exist. Users are responsible for verifying the currency of the data displayed 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
- 12.1 to 21.0
- Greater than 21.0

USGS Bottom
- Sand
- Mud
- Rock
- Shell
- Coral

Federal Navigation Channel
- Left 100' Line
- Right 100' Line
- True Centerline

Legend

Sounding may not exist at every location, but there is one per each quarter area

Obstn - Obstruction
Wreck - Submerged
UXO Light
Coast Guard Buoy

Survey Date: JULY 2018
Production Date: 09 AUG 2018
Designed By: eHydro Software v3.82
Reviewed By: Absolute Scale
Project Reference Number: CHARLESTON_JULY2018
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 represent the survey data and the general conditions existing at that time.

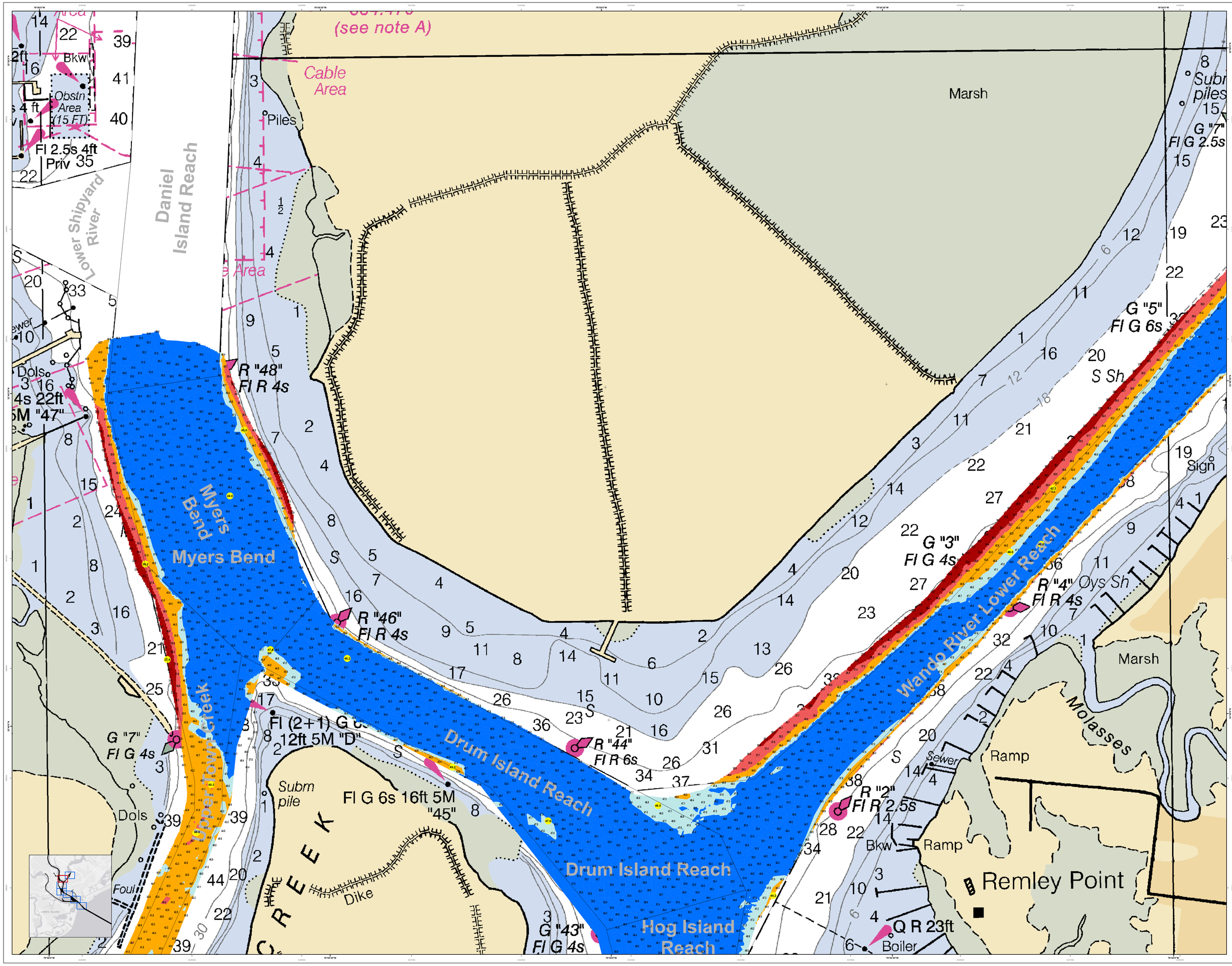
Concluded on: **JULY 2018**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 5 OF 7



U.S. Army Corps of Engineers
Charleston District

Legend

Bottom Sounding
Depth
Sounding may cover several feet of water depth in part each quarter area
Obstruction, Wreck
Obstn
Wreck
Wreck-Submerged

USCG Buoys
Green
Red
White
Red
White
Yellow

Federal Navigation Channel
Right 100' Line
Left 100' Line

USCG Light
Coast Guard Range

Depth in feet
0.0 to 4.0
3.1 to 6.0
6.1 to 8.0
8.1 to 10.0
10.1 to 12.0
Greater than 12.0

Feet
0 125 250 500 750 1,000

Production Notes:

1. Features depicted on this map are to be plotted for planning purposes only. Positions are approximate and were derived from surveys conducted by the Charleston District, unless noted otherwise.
2. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
3. Datum: Horizontal - NAD83, Vertical - MLLW, Units - Meters, Grid - NAD83 State Plane South Carolina FIPS 3900 Lambert Conformal Conic, Projection - Lambert Conformal Conic, Source - NOAA RNC, Map version 11/24

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These data sets have been developed from the best available sources. It is understood that the information contained in these datasets are accurate and reliable, errors and inaccurate conditions may exist in the data supplied. Caution should be exercised when using information contained in the data supplied.

This chart is not intended to be used for navigation.

Mariners are encouraged to use all prudent safety measures.

Survey Date: JULY 2018	Production Date: 09 AUG 2018
Project Reference Number: CHS-SC-2018-2010	
Survey Type: CONDITION	
Designed By: eHydro Software v3.82	
Reviewed By:	Absolute Scale: 1:12,000
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
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 surveyed conditions existing at that time.

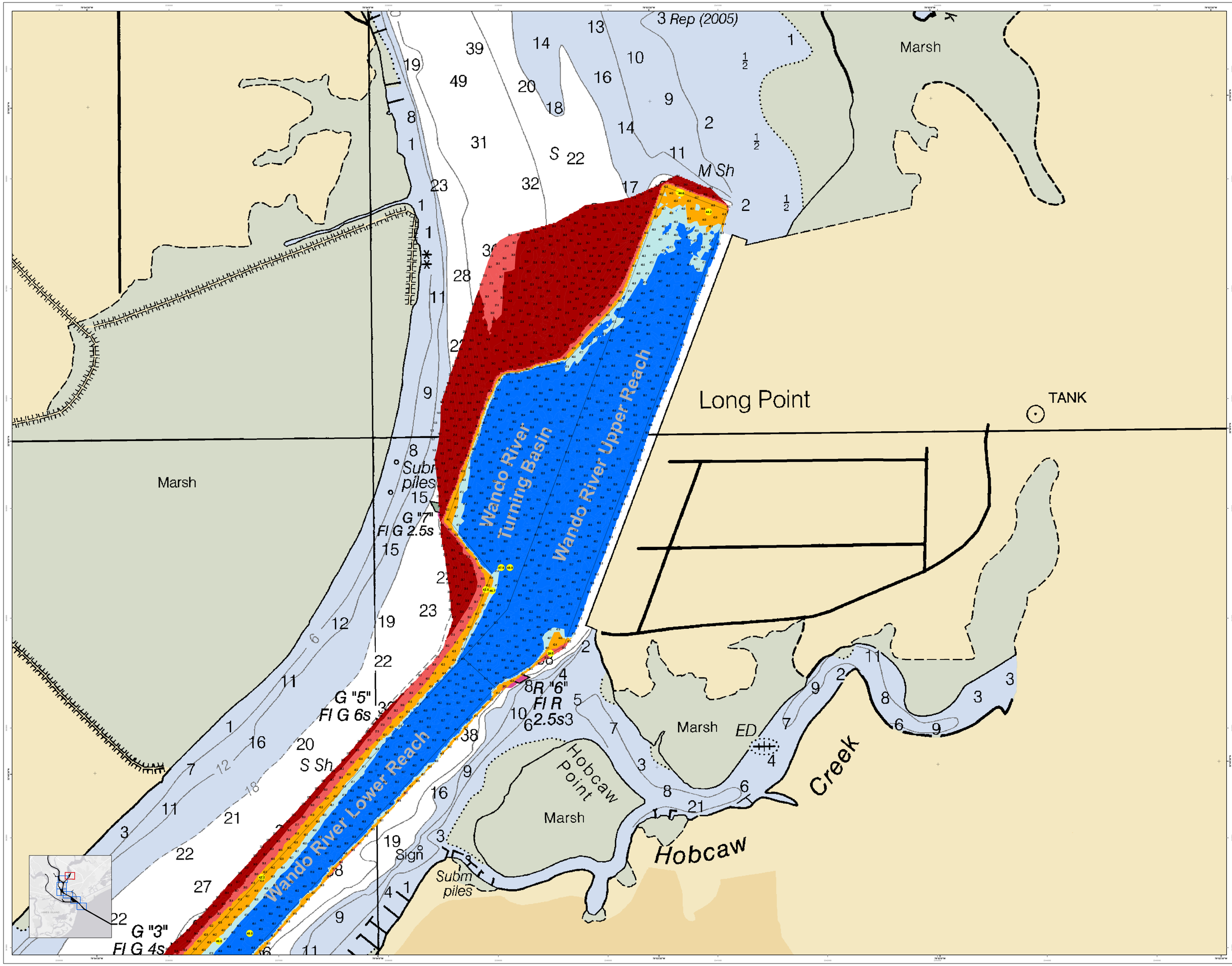
Concluded on: **JULY 2018**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 6 OF 7



U.S. Army Corps of Engineers
Charleston District

Production Notes:
1. Soundings are referenced to the Charleston Datum. This chart is produced for planning purposes only.
2. Bathymetric data was collected by Eurasia survey conducted by the Charleston District between July and August 2018 using a single beam echosounder.
3. Soundings are in feet and tenths.
4. Coordinates in Meters, Lower Line Frame (NAD83).
5. Aids to Navigation are USCG and IALA.
Map version 11G4

N

0 125 250 500 750 1,000 Feet

Depth in feet
- Less than 30.0
- 30.1 to 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- Greater than 47.0

USCG Buoys
- Green
- Red
- White

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

USCG Buoy
- Green
- Red
- White
- Yellow
- USCG Light
- Coast Guard Buoy

Sounding
- Soundings
- Soundings may cover several adjacent charted areas and may include supplemental area.

Obstructions
- Obstruction
- Wreck-Submerged

Legend
Soundings

Survey Date: JULY 2018
Production Date: 09 AUG 2018
Project Reference Number: CESAC-PD-PBA-2018
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: CCAM
Absolute Scale: 1:12,000

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

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: **JULY 2018**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 7 OF 7