SHEET REFERENCE NUMBER
C002
SHEET 1 OF 7

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.
Conducted on: **12 MAY 2022**
Charleston, South Carolina

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By: dHydro SoftWare v3.82	Survey Date: 12 MAY 2022	Production Date: 16 MAY 2022
	Reviewed By: CCW	Absolute Scale: 1:3,000	Survey Type: CESAC-PRA-0010
	Reference Scale: 1 inch = 250 feet	Project Reference Number: CONDITION	
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet		
CESAC-GIS@USACE.ARMY.MIL			

Legend

Bathymetric Sounding
- Sounding
- Sounding may not survey point mean and is calculated per mean quarter area

Obstruction Point
- Obstruction
- Wreck-submerged

USCG Buoy
- Green
- Red
- Mark
- Special
- Safe Water

USCG Beacon
- Green
- Red
- White
- Left TOC Line
- Right TOC Line
- True Centerline

USGS Light
- Coast Guard Beacon

Federal Navigation Channel

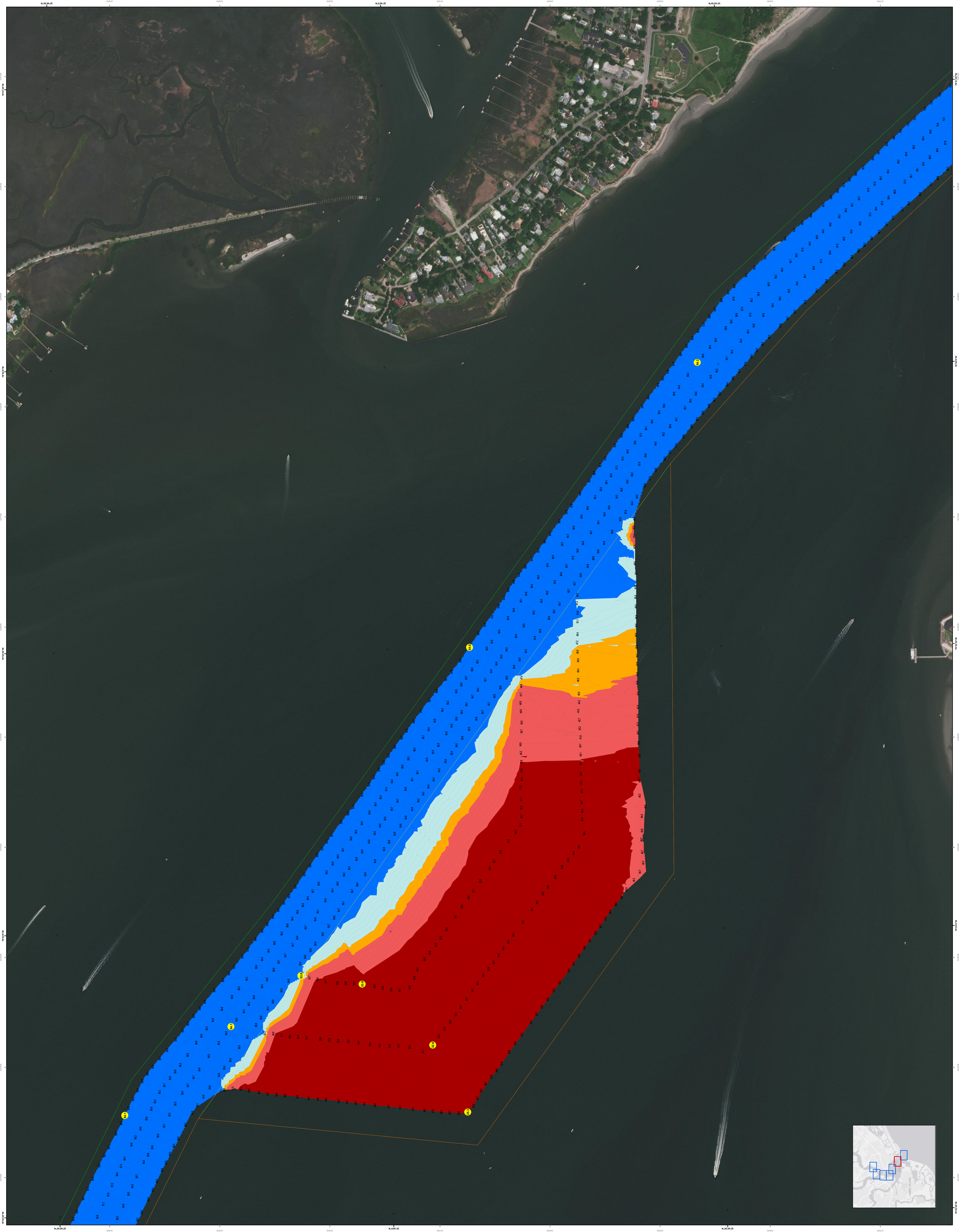
Depth in feet
- Less than 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- 47.1 to 52.0
- Greater than 52.0

0 125 250 500 750 1,000 Feet

Production Notes:
1. The information depicted on this product is for plotting purposes only.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and/or to Mean Lower Low Water (MLLW).
3. Soundings are in feet and tenths and are reduced to the project datum.
4. Raster Background: NOAA NOC map service 11524

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch be liable for direct, indirect, incidental, consequential or special damages of any kind, including, but not limited to, loss of anticipated profits or benefits arising out of use of or reliance on the data.
These data sets have been developed from the best available sources. Although efforts have been made to ensure that the datasets are accurate and reliable, errors and omission ongoing from physical sources used to develop the data may be detected in the data supplied.
This product is not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

U.S. Army Corps of Engineers
Charleston District



U.S. Army Corps of Engineers
Charleston District

Legend

Sounding
Sounding
Sounding may cover several point areas and is calculated per reach quarter area
Obstruction Point
Obstruction
Wreck-Submerged
USCG Buoy
Green
Red
Yellow
Yellow
USCG Light
Coast Guard Beacon
USCG Beacon
Green
Red
White
Federal Navigation Channel
Left TOC Line
Right TOC Line
True Centerline
Depth in feet
Less than 40.0
40.1 to 45.0
45.1 to 47.0
47.1 to 52.0
Greater than 52.0
Feet
0 125 250 500 750 1,000

Production Notes:

1. The information depicted on this product is for plotting purposes only.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners.
3. Soundings are in feet and tenths.
4. Raster Background: NOAA RNC map service 11524

In no event shall the U.S. Army Corps of Engineers, Charleston District, consequential or special damages of any kind, including, but not limited to, loss of anticipated profits or benefits arising out of the use of or reliance on the data.

These data sets have been developed from the best available sources. Although efforts have been made to ensure that the originating from physical sources used to develop the data may be reflected in the data supplied.

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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

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

Survey Date: 12 MAY 2022
Absolute Scale: 1:3,000
Project Reference Number: CESAC-PRA-0010
Survey Type: CONDITION
Production Date: 16 MAY 2022

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: **12 MAY 2022**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 2 OF 7

SHEET
REFERENCE
NUMBER
C002

SHEET 3 OF 7

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.

Conducted on: **12 MAY 2022**

Charleston, South Carolina

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed by: Hydro SoftWare v3.82	Survey Date: 12 MAY 2022	Production Date: 16 MAY 2022
	Surveyed by: CCW	Absolute Scale: 1:3,000	Project Reference Number: CESAC-PRA-0010
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Reference Scale: 1 inch = 250 feet		Survey Type: CONDITION
CESAC-GIS@USACE.ARMY.MIL	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet		

Legend

Bathymetric Sounding
- Sounding
- Sounding may cover several point areas and is calculated per mesh-center area

Obstruction Point
- Obstruction
- Wreck-Submerged

USCG Buoy
- Green
- Red
- Mahp
- Yellow
- USGS Light
- Coast Guard Beacon

USCG Beacon
- Green
- Red
- White
- Left TOC Line
- Right TOC Line
- True Centerline

Federal Navigation Channel
- Channel
- Channel Sun 52.0

Depth in feet
- Less than 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- 47.1 to 52.0

0 125 250 500 750 1,000 Feet

Production Notes:

1. The hydrosurvey data derived from surveys conducted by the USACE and approved partners and/or Tetra Tech was collected using a Reson SeaBat T50-R multibeam echosounder. Data was processed in HydroSurveyor v3.82 and Hydro Pro v11.0.1 software. Soundings are in feet and tenths referenced to the tidal datum of Mean Lower Low Water (MLLW).
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and/or Tetra Tech was collected using a Reson SeaBat T50-R multibeam echosounder. Data was processed in HydroSurveyor v3.82 and Hydro Pro v11.0.1 software. Soundings are in feet and tenths referenced to the tidal datum of Mean Lower Low Water (MLLW).
3. Soundings are in feet and tenths referenced to the tidal datum of Mean Lower Low Water (MLLW).
4. Raster Backgrund: NOAA NOC map service 11524

Disclaimer:

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

Although efforts have been made to ensure that the best available sources, information and procedures were used to develop this data, errors and inaccuracies may occur. The U.S. Army Corps of Engineers, Charleston District Office, Spatial Data Branch and its employees do not warrant the accuracy, completeness, timeliness or rights to the use of the information contained on this data product and shall not be liable for any loss, injury, claim, liability or damage of any kind or nature arising out of or connected in any way with the publication, sale or use of this data product.

This product is not intended to be used for navigation. Mariners are encouraged to use all prudent safety measures.

U.S. Army Corps of Engineers
Charleston District

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.

Conducted on: **12 MAY 2022**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 4 OF 7

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By: dHydro SoftWare v3.82	Survey Date: 12 MAY 2022	Production Date: 16 MAY 2022
	Reviewed By: CCW	Absolute Scale: 1:3,000	Project Reference Number: CESAC-PRA-0010
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Reference Scale: 1 inch = 250 feet		Survey Type: CONDITION
CESAC-GIS@USACE.ARMY.MIL	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet		

Legend

Bathymetric Sounding
- USCG Buoy
- Green
- Red
- Mark
- Station
- Obstruction
- Obstruction Point
- Sounding
- Sounding may have open swamp point and is calculated per mean-water area
- Obstruction
- Wreck-Submerged
- USGS Light
- Coast Guard Beacon
- USCG Beacon
- Green
- Red
- White
- Federal Navigation Channel
- Left TOE Line
- Right TOE Line
- Thin Centerline
- Depth in feet
- Less than 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- 47.1 to 52.0
- Greater than 52.0

0 125 250 500 750 1,000 Feet

Production Notes:

1. The inclusion depicted on this product is for plotting purposes only.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and/or is to be used as a navigational aid.
3. Soundings are in feet and tenths.
4. Raster Background: NOAA NOC ENC (MLLW)

Chart Datum: 0.00 feet below mean lower low water

Elevations are in feet above mean sea level (NAVD88) using Geoid 18

Horizontal Datum: WGS84

Vertical Datum: MLLW

Warnings

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

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Mariners are encouraged to use prudent safety measures.

U.S. Army Corps of Engineers
Charleston District

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.

Conducted on: **12 MAY 2022**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 5 OF 7

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

Designed by:	SHOALS Software V3.82
Reviewed By:	CCW
Reference Scale:	1 inch = 250 feet
Projection:	NAD 1983 StatePlane South Carolina FIPS 3900 Feet
Survey Date:	12 MAY 2022
Absolute Scale:	1:3,000
Survey Type:	CONDITION
Production Date:	16 MAY 2022
Project Reference Number:	CESAC-PRA-0010

Legend

Bathymetric Soundings
- Soundings
- Sounding may have been removed per USACE policy
- Sounding may have been removed or is obscured per insert and/or area

Obstructions Point
- Obstruction
- Wreck-Submerged

USCG Buoys
- Green
- Red
- Safe Water
- Special Mark
- Isolated Danger
- Cardinal
- Lateral

USCG Beacon
- Green
- Red
- White

Federal Navigation Channel
- Right TOE Line
- Left TOE Line

USGS Light
- Coast Guard Beacon
- Tide Centerline

Depth in feet
- Less than 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- 47.1 to 52.0
- Greater than 52.0

0 125 250 500 750 1,000 Feet

Production Notes:

1. The information depicted on this product is for plotting purposes only. Use of individuals or agencies using out of date or inaccurate on this data.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners
3. Soundings are in feet and tenths
4. Raster Background: NOAA NOC (MLLW)

Disclaimer:

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Mariners are encouraged to use all prudent safety measures.

U.S. Army Corps of Engineers
Charleston District

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.

Conducted on: **12 MAY 2022**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 6 OF 7

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed By:	Survey Date:	Production Date:
	SHydro SoftHydro v3.82	12 MAY 2022	16 MAY 2022
	Reviewed By:	Absolute Scale:	Survey Type:
	CCW	1:3,000	CESAC-PRA-0010
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Reference Scale:	Posted Reference Number:	
	1 inch = 250 feet		CONDITION
CESAC-GIS@USACE.ARMY.MIL	Projection:		
	NAD 1983 StatePlane South Carolina FIPS 3900 Feet		

Legend

Bathymetric Sounding
- Sounding
- Sounding may cover several point areas and is calculated per mesh-center area

Obstruction Point
- Obstruction
- Wreck-Submerged

USCG Buoy
- Green
- Red
- Mahp
- Yellow
- White
- Red
- Green
- Safe Channeling

USCG Beacon
- Green
- White
- Left TOC Line
- Right TOC Line
- Safe Channeling

USGS Light
- Coast Guard Beacon

Depth in feet
- Less than 40.0
- 40.1 to 45.0
- 45.1 to 47.0
- 47.1 to 52.0
- Greater than 52.0

0 125 250 500 750 1,000 Feet

Production Notes:

1. The information depicted on this product is for pending purposes only.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and/or data licensed from third parties.
3. Soundings are in feet and tenths referenced to Mean Lower Low Water (MLLW).
4. Raster Background: NOAA NOC map service 11524

Disclaimer:

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U.S. Army Corps of Engineers
Charleston District

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.
Conducted on: **12 MAY 2022**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 7 OF 7

U.S. ARMY ENGINEER DISTRICT
CHARLESTON, SOUTH CAROLINA

SPATIAL DATA BRANCH
69A HAGOOD AVE
CHARLESTON, SC 29403

CESAC-GIS@USACE.ARMY.MIL

Designed by: HydroSoftware v3.82
Reviewed by: CCW
Approved by:

Survey Date: 12 MAY 2022 – 16 MAY 2022
Absolute Scale: 1:3,000
Related Reference Number: CESAC-PRA-0010

Production Date:
Survey Type: CONDITION

Reference Scale: 1 inch = 250 feet

Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet

U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The information depicted on this product is for pending purposes only but not limited to, loss of anticipated profits or anything arising out of the reliance on the data.
2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and agencies are to best and timely of the survey. Although efforts have been made to ensure that the database are accurate and reliable, errors and omissions may exist.
3. Soundings are in feet and tenths and reduced to Mean Lower Low Water (MLLW).
4. Raster Background: NOAA NOC map service 11524

This product is not intended to be used for navigation. Mariners are encouraged to use all prudent safety measures.

In no event shall the U.S. Army Corps of Engineers, Charleston District Other, Spatial Data Branch be liable for direct, indirect, incidental, consequential or special damages of any kind, including,

Z

0 125 250 500 750 1,000 Feet

Depth in feet

Less than 40.0	
40.1 to 45.0	
45.1 to 47.0	
47.1 to 52.0	
Greater than 52.0	

Legend

Sediment Sounding
- Sounding
- Sounding may span several point areas and is calculated per mean-center area

Obstruction Point
- Obstruction
- Wreck-Submerged

USCG Buoy
- Green
- Red
- Yellow
- Water
- White

USCG Beacon
- Green
- Red
- White

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

- USCG Light
- Coast Guard Beacon