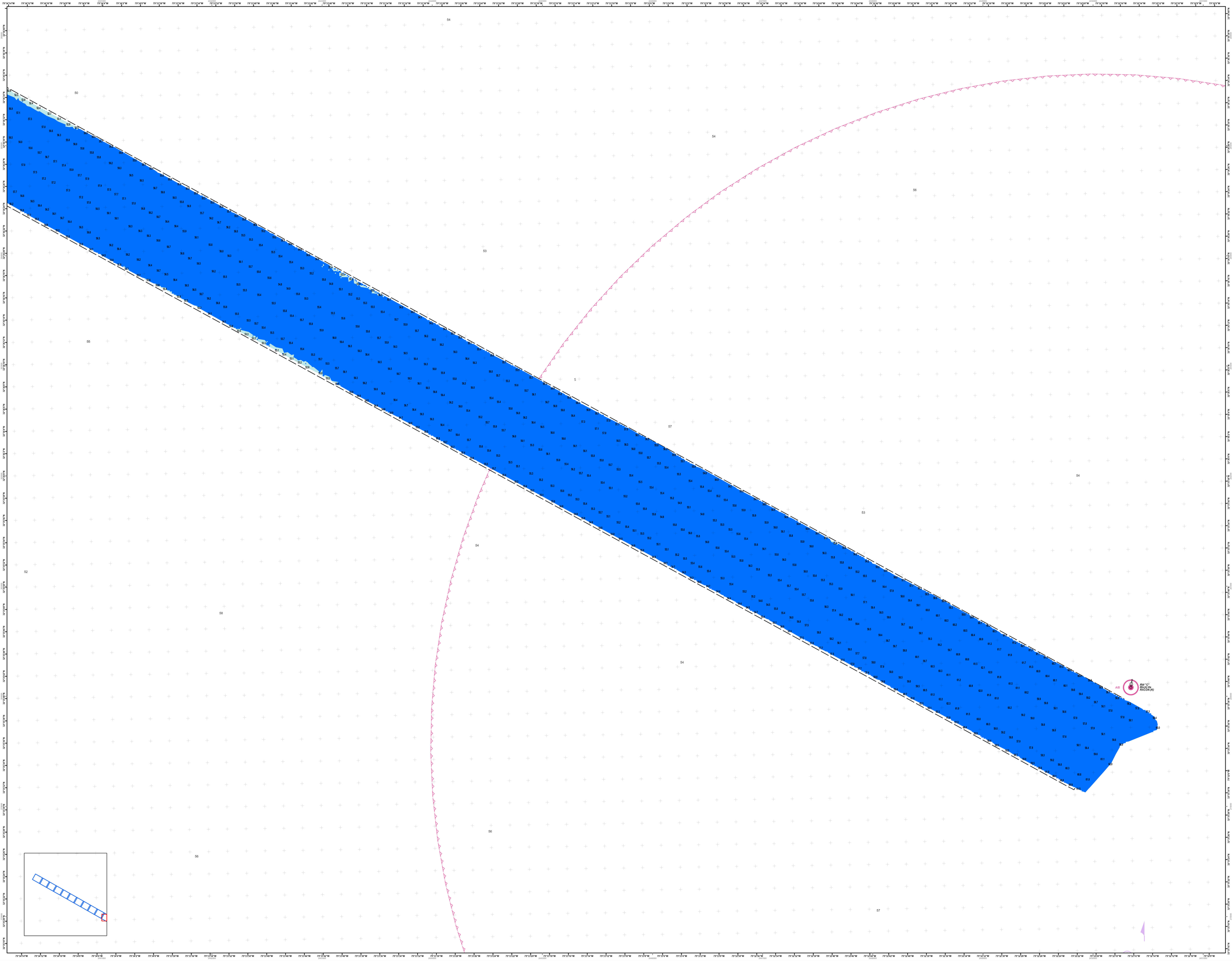


U.S. Army Corps of Engineers

Charleston District

Production Notes:
1.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.
2. Vessel transponders may be moved between surveys by the vessel operator and/or pilot as necessary.
3. Soundings are in feet and reduced to Mean Lower Low Water (MLLW) by the Vertical Datum Conversion Tool.
4. Chart Datum

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation Branch be liable for direct, indirect, special, incidental, or consequential damages of any kind including, but not limited to, loss of anticipated profits or benefits arising out of the use of these data sets.
These data sets have been developed from the best available source documents and methods at the time of publication. While the datasets are accurate and reliable, errors and variable conditions may exist in the source documents and users are cautioned to consider errors reflected in the data supplied.
Mariners are cautioned to use data for navigation.
Mariners are encouraged to use all prudent safety measures.

N

0 125 250 500 750 1,000 Feet

Depths in feet
Depth Area A (0-40 ft)
Depth Area B (40.0 to 45.0)
Depth Area C (45.0 to 50.0)
Depth Area D (50.1 to 54.9)
Greater than 54.9

USCG Buoys
Green
Red
White

USACE Buoys
Green
Red
White
Yellow
USCG Light
Coast Guard Racon

Legend
Station Sounding
Sounding may cover several miles of channel and/or per march quarter area
Geographic Feature
Obstruction
Wreck-Submerged

		Survey Date: 24 NOV 2024	Production Date: 03 DEC 2024
	Reviewed By: CWA	Absolute Scale: 1:3,000	Project Reference Number: CHS-CHE-24-0010
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA		Reference Scale: 1 inch = 250 feet	Survey Type: CONDITION
USACE CHARLESTON 69A HAGOOD AVE CHARLESTON, SC 29403 843-329-8000		Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl	

CH_01_CHE
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: **24 NOV 2024**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002

U.S. Army Corps of Engineers
Charleston District

CH_01_CHE

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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002

SHEET 2 OF 11

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

69A HAGOOD AVE
CHARLESTON, SC 29403

843-329-8000

Surveyed by: CCW	Survey Date: 24 NOV 2024
Reference Scale: 1 inch = 250 feet	Survey Type: CONDITION
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl	Project Reference Number: CESAC-PRA-0010
Approved by: CCW	Production Date: 03 DEC 2024
Absolute Scale: 1:3,000	

Legend

Standard Sounding
- Sounding
- Sounding near cover sweep
- Sounding in a cordoned port reach quarter area

Obstruction Point
- Obstruction
- Wreck-Submerged

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

USCG Beacon
- Green
- Red
- White

USCG Light

Coast Guard Beacon

Depth in feet
- Less than 40.0
- 40.0 to 45.0
- 45.0 to 50.0
- 50.0 to 54.0
- Greater than 54.0

0 125 250 500 750 1,000 feet

Production Notes:

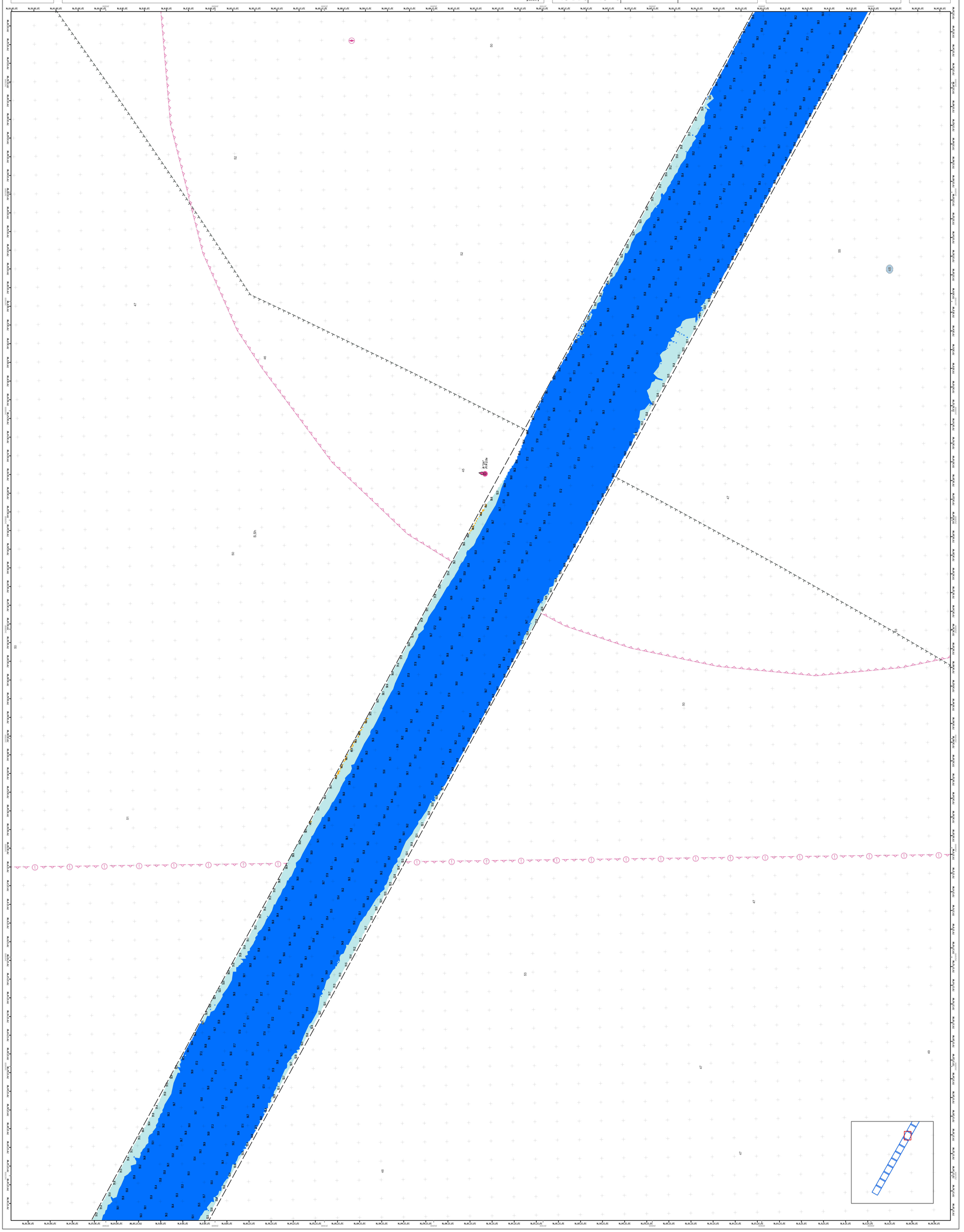
1. The information depicted on this product is for posting purposes only and not tested to, loss of dredged profile or berthing along out of use of reliance on this data.
2. Water Hydrographic data derived from surveys conducted by the USACE and approved partners and agencies are at feet and tenths. Soundings are at feet and tenths, offsetting from physical sources used to develop the data may be obtained from the Baltimore Chart Datum (MLLW).
3. Soundings are not adjusted for project depth or overdepth allowance.
4. Water Background: NOAA ENC Direct service.

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation Branch be liable for direct, indirect, incidental, consequential or special damages of any kind, including but not limited to, loss of dredged profile or berthing along out of use of reliance on this data.

These data sets have been developed from the best available sources. Although errors have been made to ensure that the information depicted is accurate and reliable, errors and omissions exist. Users are encouraged to verify critical information contained 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

Production Notes:
1. The information depicted on this product is for pricing purposes only. 2. Vector hydrographic data derived from surveys conducted by the USACE and approved partners and refer to Mean Lower Low Water (MLLW).
4. Raster Background: NOAA ENC chart service.

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation 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 the use of 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 variable conditions originating from physical sources used to develop the data may be reflected in the data supplied.
This product is not intended to be used for navigation. Mariners are encouraged to use all prudent safety measures.

Legend
Sounding
Sounding may cover several point areas and is calculated for reach quarter area
Obstruction Point
Obstruction
Wreck-Submerged
USCG Buoy
Green
Red
White
Yellow
USCG Beacon
Green
Red
White
USCG Light
Coast Guard Beacon

Depth in feet
Less than 40.0
40.0 to 45.0
45.0 to 50.0
50.0 to 54.0
Greater than 54.0

0 125 250 500 750 1,000 Feet

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

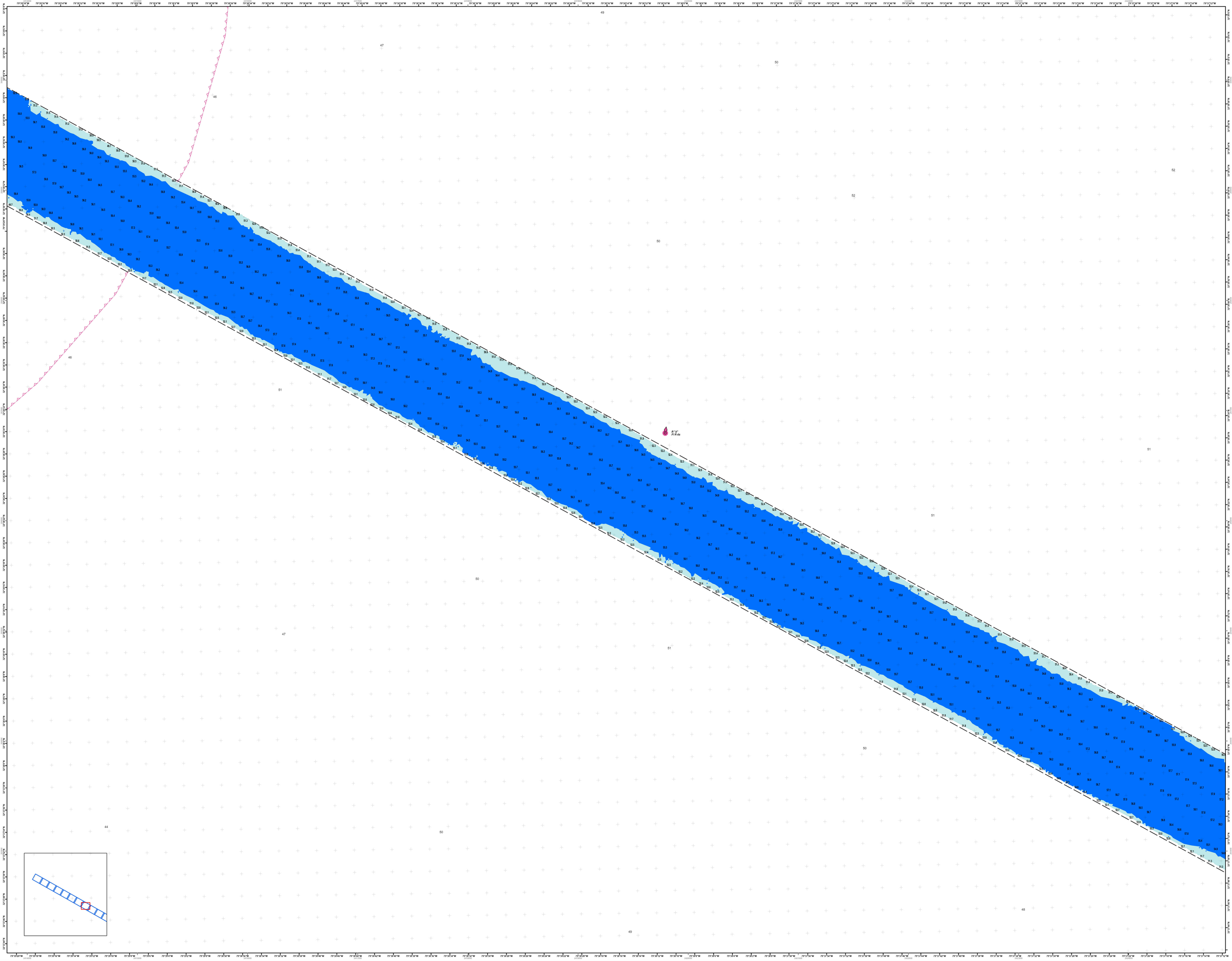
USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-8000

Reviewed By: CCW
Absolute Scale: 1:3,000
Survey Date: 24 NOV 2024
Production Date: 03 DEC 2024
Project Reference Number: CESAC-PRA-0010
Survey Type: CONDITION
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl

CH_01_CHE
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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 3 OF 11



U.S. Army Corps of Engineers

Charleston District

Production Notes:

1.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.
2. Vector hydrographics by Hydrosurveying Solutions
3. Soundings adjusted and reports to Mean Lower Low Water (MLLW) using VDatum
4. Chart version

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation Branch be liable for direct, indirect, special, incidental, or consequential damages due to use, handling, but not limited to, loss of anticipated profits or benefits arising out of the use of these data sets.
These data sets have been developed from the best available sources at the time of publication. No warranty is made that the datasets are accurate and reliable, errors and variable conditions may exist and not all features, both natural and man-made, may be reflected in the data supplied.
These data sets are not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

N

0 125 250 500 750 1,000 Feet

Depths in feet
- 0.0 to 40.0
- 40.0 to 45.0
- 45.0 to 50.0
- 50.0 to 54.9
- Greater than 54.9

USCG Buoys
- Green
- Red
- White

USCG Range
- Green
- Red
- White
- Yellow
- USCG Light
- Coast Guard Beacon

Legend

Obstruction Sounding
- Sounding may have reported less than 40 feet at mean lower low water
- Submerged Pile
- Wreck
- Wreck-Submerged

Survey Date:	Production Date:
24 NOV 2024	03 DEC 2024
Reviewed By:	Absolute Scale:
CCOM	1:3,000
Reference Scale:	Survey Type:
1 inch = 250 feet	CONDITION
Projection:	
NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl	

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-8000

CH_01_CHE

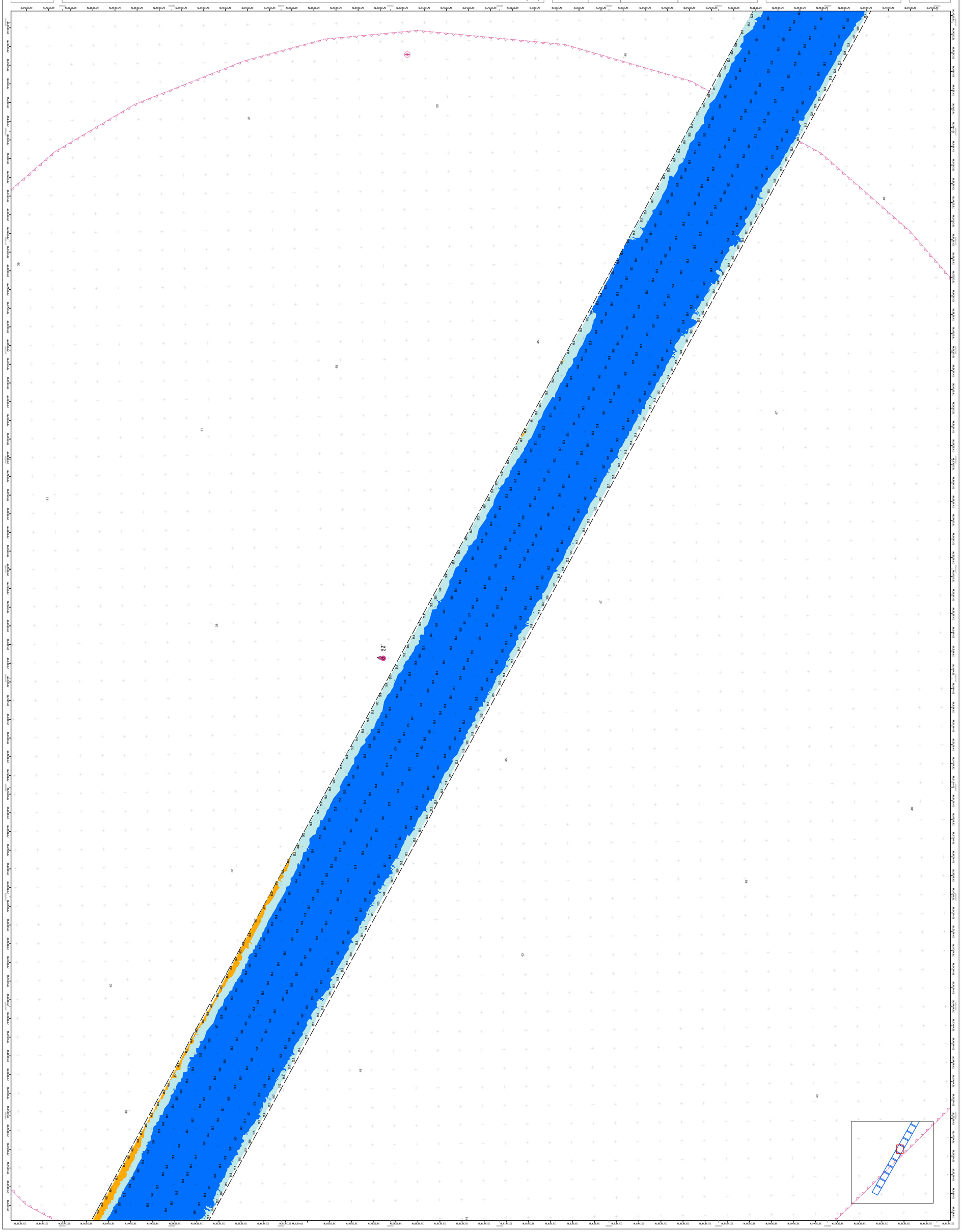
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

Concluded on: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002



U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The information depicted on this product is for planning purposes only. 2. Water Hydrographic data derived from surveys conducted by the USACE and approved partners and refer to Mean Lower Low Water (MLLW).
3. Soundings are in feet and tenths.
4. Bottom Background: NOAA ENC chart service.

In no event shall the U.S. Army Corps of Engineers, Charleston District, Office, Navigation 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 the use of or reliance on this 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 variable conditions originating from physical sources used to develop the data may be reflected in the data supplied.

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

Legend

Shoaled Sounding
Sounding
Sounding may cover several point areas and is calculated for each quarter area
Obstruction Point
Obstruction
Wreck-Submerged

USCG Buoy
Green
Red
White
Yellow
Mixed
USCG Light
Coast Guard Beacon

Depth in feet
Less than 40.0
40.0 to 45.0
45.0 to 50.0
50.0 to 54.0
Greater than 54.0

N

0 125 250 500 750 1,000 Feet

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-8000

Reviewed By: CCW
Absolute Scale: 1:3,000
Survey Date: 24 NOV 2024
Production Date: 03 DEC 2024

Reference Scale: 1 inch = 250 feet
Project Reference Number: CESAC-PRA-0010
Survey Type: CONDITION

Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl

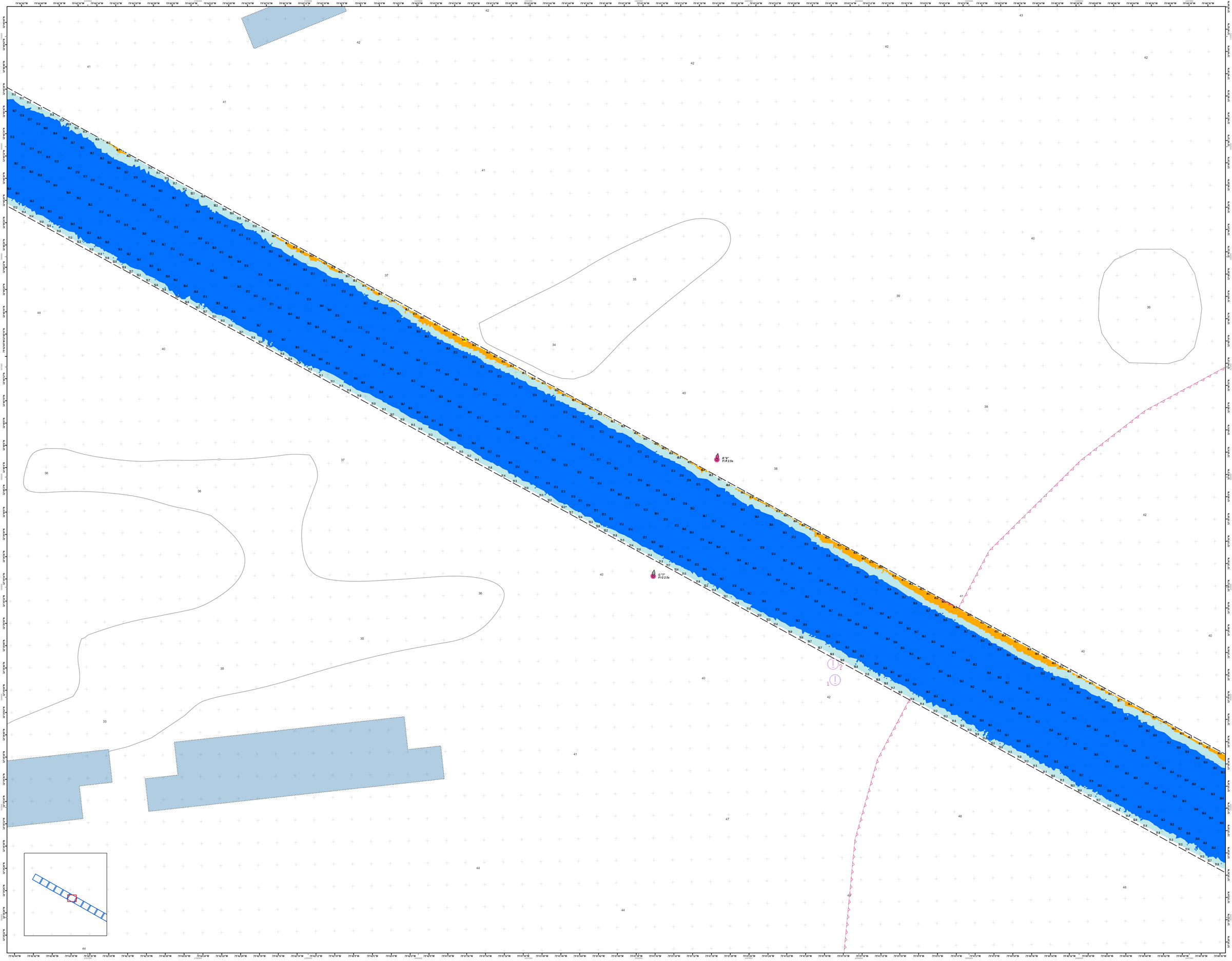
CH_01_CHE

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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 5 OF 11



U.S. Army Corps of Engineers

Charleston District

Production Notes:
1.The information depicted on this
2. Vector Hydrographics by Reson
3. Soundings reduced to Mean Lower Low Water (MLLW)
4. Chart datum

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation Branch be liable for direct, indirect, special, incidental, or consequential damages arising out of or in connection with the use of this survey, including, but not limited to, loss of anticipated profits or benefits arising out of inaccurate or incomplete data.
These data sets have been developed from the best available data at the time of publication. Although every effort is made to ensure datasets are accurate and reliable, errors and variable conditions sometimes exist. Mariners should not rely solely on the data depicted or reflected in the data supplied.
This publication is not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

N

Feet
0 125 250 500 750 1,000

Depth in feet (Zone 60.0)
40.0 to 45.0
45.0 to 50.0
50.0 to 54.9
Greater than 54.9

USCG Buoys
Green
Red
White

USACE Buoys
Green
Red
White
Yellow
USCG Light
Lighted
Unlighted
Obstruction
Wreck-Submerged

Legend
Shoals / Sounding
Sounding may cover several survey lines and represent the least depth found in charted area

Survey Date:	24 NOV 2024
Production Date:	03 DEC 2024
Reviewed By:	
Absolute Scale:	1:3,000
Project Reference Number:	CH_01_CHE_2024_0010
Reference Scale:	1 inch = 250 feet
Survey Type:	CONDITION
Projection:	NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-8000

CH_01_CHE
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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The bathymetry depicted on this product is for planning purposes only. Not to be used for navigation.
2. Water Hyacinths were observed in the vicinity of Buoy 24 and Buoy 26 during the survey.
3. Soundings are in feet and tenths.
4. Water Background: NOAA ENC Charleston, SC (US3SC01M) and NOAA Lower Low Water Datum 5410 Cooper River, SC (US5SC11M).

Disclaimer:
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, Charleston Harbors 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 or reliance on the data.

These data and charts have been developed from the best available sources. Although efforts have been made to ensure that the data and charts are accurate and reliable, errors and omissions occur. Although efforts have been made to ensure that the data and charts are accurate and reliable, errors and omissions occur. Although efforts have been made to ensure that the data and charts are accurate and reliable, errors and omissions occur.

Depths in feet

Less than 40.0
40.0 to 45.0
45.0 to 50.0
50.0 to 54.0
Greater than 54.0

USCG Buoys

Green
Red
Yellow
Black
White

USCG Light
Coast Guard Beacon

Legend

Shoaled Sounding
Sounding
Sounding may cover several point areas and or scattered per swath sonar area

Obstruction Point
Obstruction
Wreck-Submerged

Projection:
NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	
USACE CHARLESTON 69A HAGOOD AVE CHARLESTON, SC 29403 843-329-8000	
Surveyed By: CCW	Reference Scale: 1 Inch = 250 feet
Absolute Scale: 1:3,000	Survey Type: CONDITION
Survey Date: 24 NOV 2024 – 03 DEC 2024	Project Reference Number: CESAC-PRA-0010
Production Date:	

CH_01_CHE

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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 7 OF 11

U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The bathymetry depicted on this product is for pending purposes only and should not be used for navigation.
2. Water Hydrographic data derived from survey's conducted by USACE and approved partners
3. Soundings are in feet and tenths and are reduced to Mean Lower Low Water (MLLW)
4. Bottom Sediments: NOAA ENC Chart service

Depth in feet

Less than 40.0
40 to 45.0
45.0 to 50.0
50.0 to 54.0
Greater than 54.0

0 125 250 500 750 1,000 feet

USCG Buoys

Green	Red
Black	White

USCG Beacon

Green	Red
White	

Legend

Surveyed Soundings
Soundings may not be shown in areas of poor survey or outdated port areas and in certain depth zone areas

Obstruction Point
Obstruction
Wreck-Submerged

USCG Light
Yellow
Black
White
Green
Coast Guard Beacon

Surveyed By:	CCW
Reference Scale:	1 Inch = 250 feet
Projection:	NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl
Survey Date:	24 NOV 2024
Absolute Scale:	1:3,000
Survey Type:	CONDITION
Production Date:	03 DEC 2024
Project Reference Number:	CESAC-PRA-0010

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403

843-329-8000

CH_01_CHE

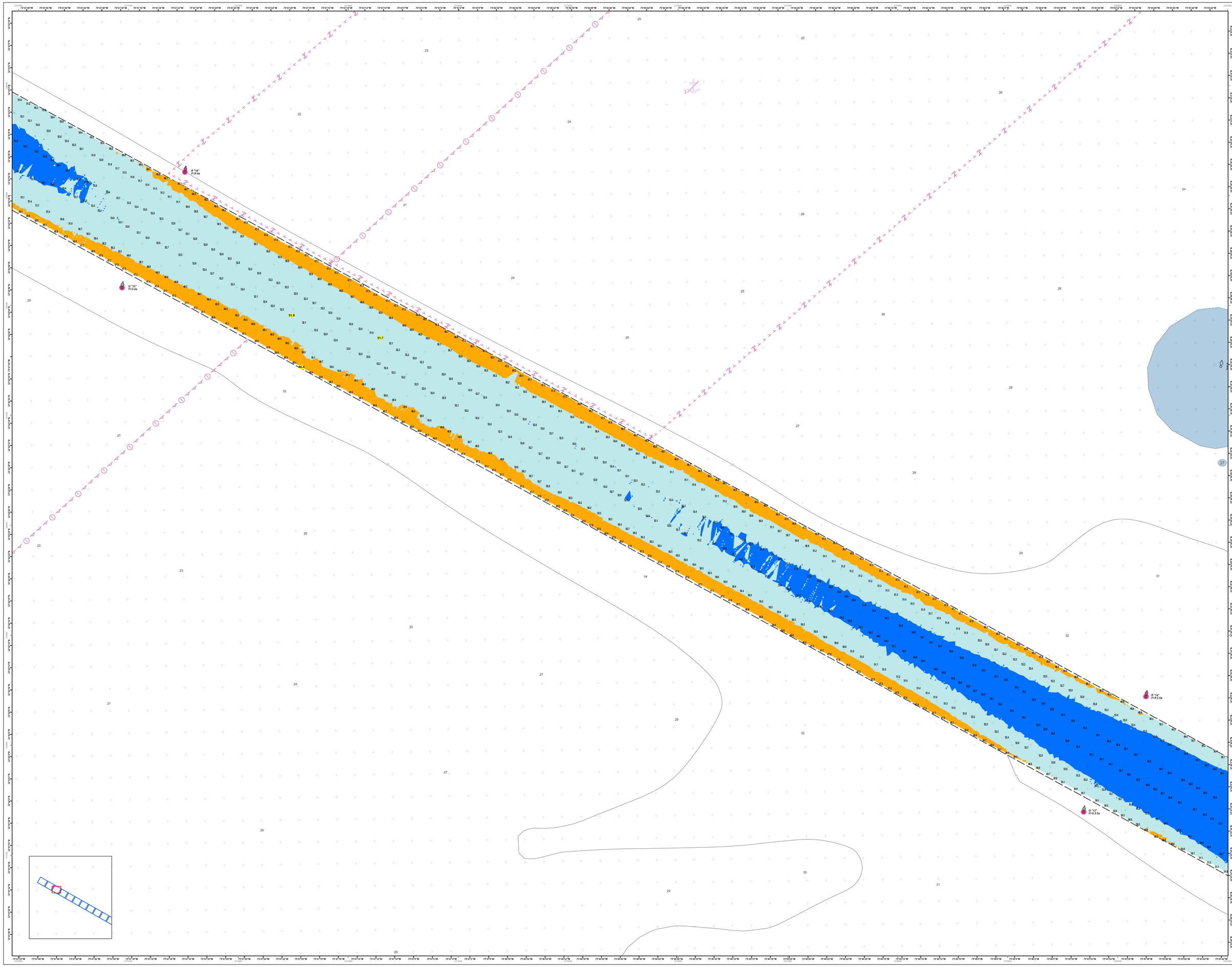
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.
Concluded on: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 8 OF 11

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation 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 charts have been made to ensure that the datasets are accurate and reliable, errors and omission conditions originating from physical sources used to develop the data may be encountered 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

Production Notes:

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Navigation Branch be liable for direct, indirect, special, incidental, consequential damages of any kind including, but not limited to, loss of anticipated profits or benefits arising out of the use of these data sets.
These data sets have been developed from the best available source documents and are subject to constant change. While these datasets are accurate and reliable, errors and variable conditions sometimes exist in source documents. All users are cautioned to be reflected in the data supplied.
These data sets are not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

1. Soundings are in feet at MLLW.
2. Vertical datum for this survey is MLLW.
3. Source of sounding and bottom samples: Multibeam echosounder and lead line.
4. Chart Horizontal Datum: NAD 1983 (2011) Epoch 2010.
5. Chart Vertical Datum: MLLW (Mean Lower Low Water).
6. Chart Units: Meters (Soundings) / NOAA ENC: US3SC01M

N

0 125 250 500 750 1,000 Feet

Depths in feet
Shoal (0-6.0) | 6.0 to 30.0 | 30.0 to 42.0 | 42.0 to 60.0 | 60.1 to 90.0 | Greater than 90.0

USCG Buoys
Green | Red | White

USACE Buoys
Green | Red | White | Yellow | USCG Light | Coast Guard Racon

Legend
Shoalest Sounding (Soundings may cover several hundred square feet per search quarter area)
Obstruction
Wreck-Submerged

		Survey Date: 24 NOV 2024	Production Date: 03 DEC 2024
		Project Reference Number: CHS-CHE-24010	
Reviewed By:	Absolute Scale: 1:5,000	Survey Type: CONDITION	
	Reference Scale: 1 inch = 250 feet		
	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl		

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-9000

CH_01_CHE
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: **24 NOV 2024**
Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 9 OF 11

U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The transducers depicted on this product is for posting purposes only. Data gaps and unsurveyed areas may exist. Please refer to the most recent survey date and associated survey coverage.
2. Water Elevations data derived from surveys conducted by the USACE and approved partners.
3. Soundings are in feet and tenths and reference Mean Lower Low Water (MLLW).
4. Raster Background: NOAA ENC Direct to Chart Viewer.

Disclaimer:

In no event shall the U.S. Army Corps of Engineers, Charleston District, its personnel or its agents 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.
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 variance conditions ofpresent from physical sources used to develop the data may be encountered in the data supplied.
This product is not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

Depths in feet

Less than 40.0	
40.0 to 45.0	
45.0 to 50.0	
50.0 to 54.0	
Greater than 54.0	

0 125 250 500 750 1,000 feet

USCG Buoys
Green
Red
White

USCG Beacon
Green
Red
White
Yellow

USCG Light
Unwatched
Watch-Submerged
Destruction
Obstruction Point
Construction Point
Sounding over cover exempt
Sounding over cover exempt point meets end of calculated per reach question area
Soundings
Shoaled Sounding

Legend

Coast Guard Beacon

NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl
Projection:

Survey Date: 24 NOV 2024	Production Date: 03 DEC 2024
Surveyed By: CCW	Absolute Scale: 1:3,000
Reference Scale: 1 Inch = 250 feet	Survey Type: CONDITION
Project Reference Number: CESAC-PRA-0010	

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403

843-329-8000

CH_01_CHE

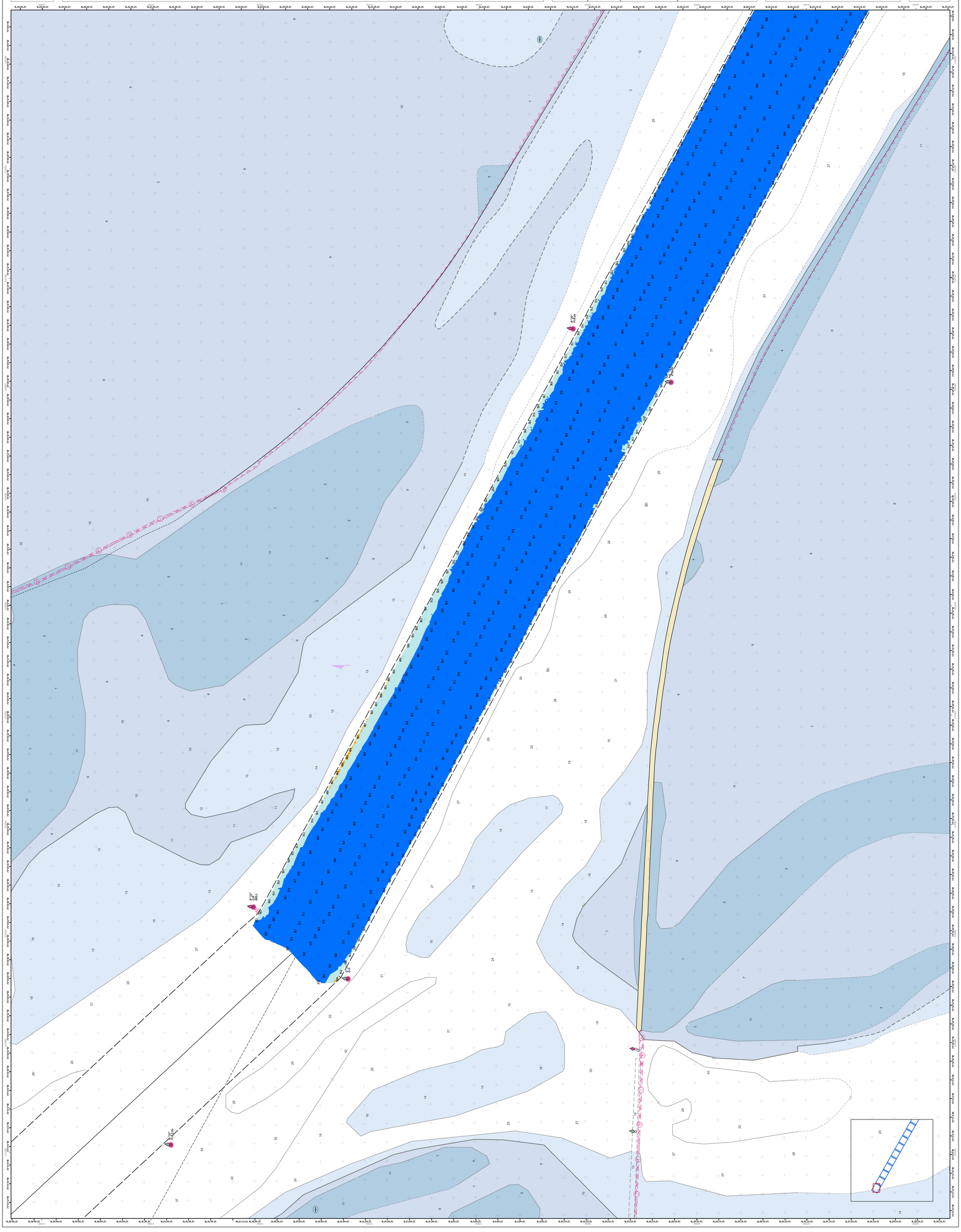
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.
Conclduded on: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER: C002

SHEET 10 OF 11

North Atlantic Ocean



U.S. Army Corps of Engineers
Charleston District

Production Notes:

1. The information depicted on this product is for planning purposes only. 2. Vector Hydrographic data derived from surveys conducted by the USACE and approved partners. 3. Soundings are in feet and tenths. Data are accurate and reliable, errors and variable conditions originating from physical sources used to develop the data may be reflected in the data supplied. **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 Office, Navigation 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 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 datasets are accurate and reliable, errors and variable conditions originating from physical sources used to develop the data may be reflected in the data supplied.

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

Legend

Shoreline Sounding
Sounding may cover several point areas and is calculated per reach quarter area
Obstruction Point
Obstruction
Wreck-Submerged

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

Depth in feet
Less than 40.0
40.0 to 45.0
45.0 to 50.0
50.0 to 54.0
Greater than 54.0

0 125 250 500 750 1,000 Feet

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

USACE CHARLESTON
69A HAGOOD AVE
CHARLESTON, SC 29403
843-329-8000

Reviewed By: CCW
Absolute Scale: 1:3,000
Survey Date: 24 NOV 2024
Production Date: 03 DEC 2024
Project Reference Number: CESAC-PRA-0010
Survey Type: CONDITION
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet Intl

CH_01_CHE

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: **24 NOV 2024**

Charleston, South Carolina

SHEET REFERENCE NUMBER
C002

SHEET 11 OF 11