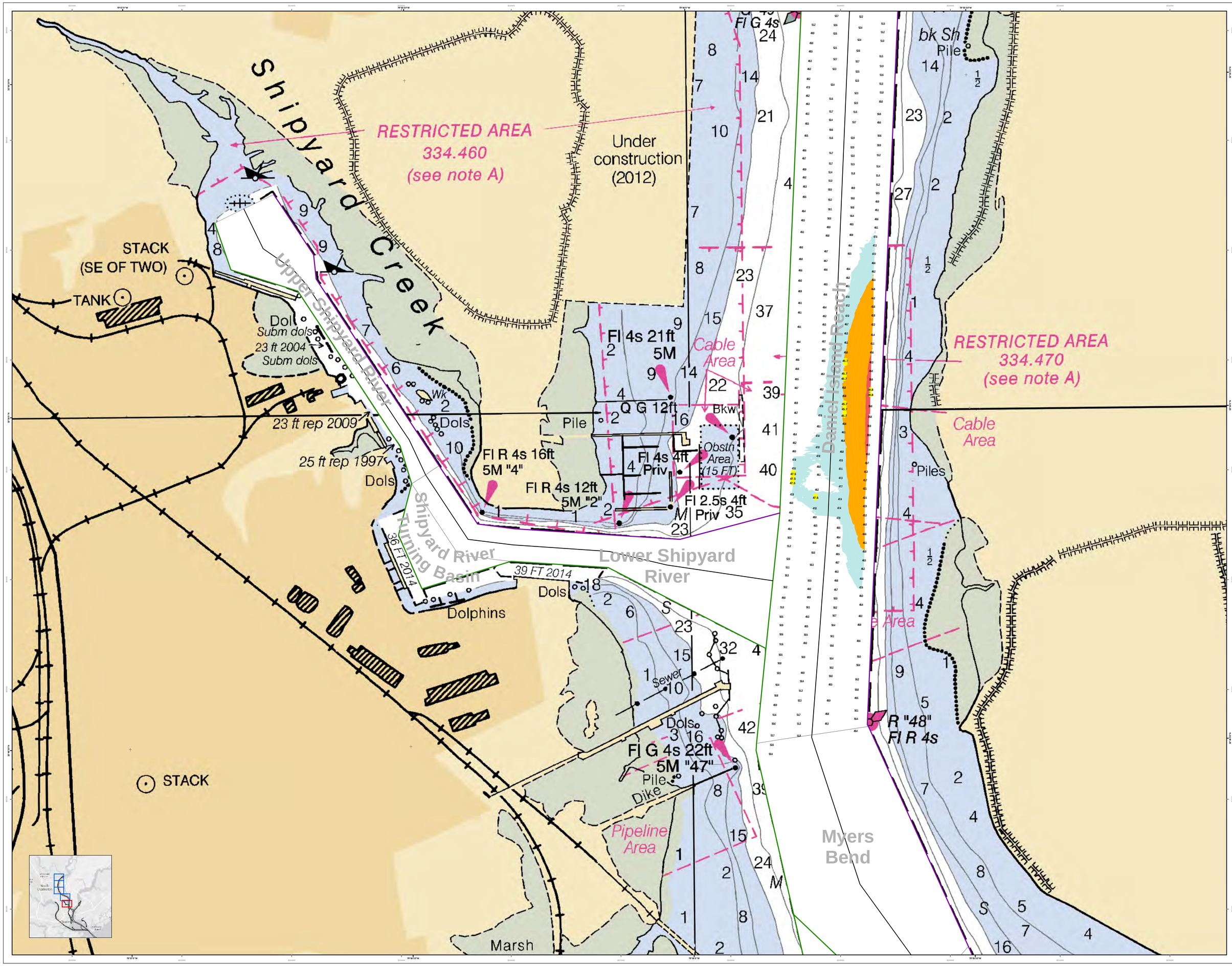


U.S. Army Corps of Engineers
Charleston District

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Topsail Data Branch be liable for direct, indirect, incidental, special, consequential or exemplary damages 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. Some data may be outdated or inaccurate. We make no claims as to the completeness, accuracy and reliable, errors and reliable conditions. Depth data is based on the most recent survey information available at the data inception.
These products are not intended to be used for navigation.
Mariners are encouraged to use all prudent safety measures.

Production Notes:
1. Depth data is referenced to mean low water and is based on the most recent survey information available. Depth data is for planning purposes only. It does not represent the results of a survey conducted for the Corps of Engineers navigation mission.
2. Shoreline data is from various sources and may be out of date.
3. Soundings are in feet and tenths.
CREATED BY: Brian Lowery, Hydro/Topo
OUTPUT: Brian Lowery, Hydro/Topo
Map version 15124

N

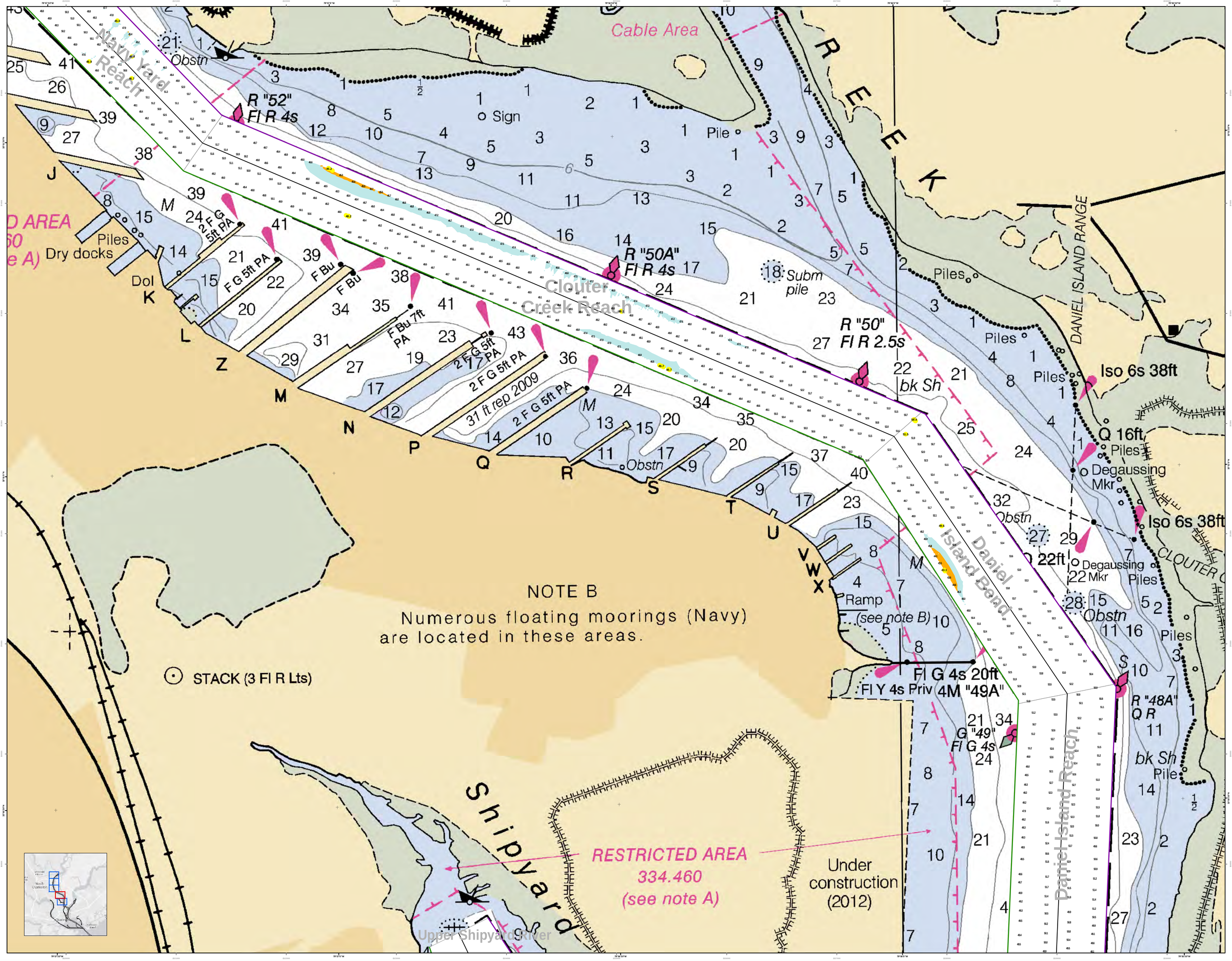
0 125 250 500 750 1000 FEET

Depths feet
- 0.0 to 3.0
- 3.1 to 6.0
- 6.1 to 10.0
- 10.1 to 13.0
- Greater than 13.0

USCG Buoys
- Green
- Red
- White

Fixed Navigation Channel
- Left TOC Line
- Right TOC Line
- USCG Light
- Coast Guard Route

USCG Daily
- Green
- Red
- White
- Yellow
- Yellow
- Yellow



U.S. Army Corps of Engineers
Charleston District

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These data sets have been developed from the best available source data at the time of compilation. No guarantee of the data's accuracy and reliable, errors and outdated conditions is implied. Users are encouraged to verify critical data and information with the data supplier.

These data are not intended to be used for navigation.

Mariners are encouraged to use all prudent safety measures.

Production Notes:

1. Depth contours and soundings are by Fathometer for planing purposes only.
2. Aids to navigation are shown as they were on the date of the survey conducted by the U.S. Coast Guard District Seventh (dl).
3. Soundings are in feet and tenths.

Coordinate System: NAD83 (2011) OLLW2 Tide Datum: Low Water Projection: UTM Zone 17N Horizontal Datum: NAD83 Map version 15124

N

0 125 250 500 750 1000 FEET

Depths feet

	Less than 3.0
	3.1 to 6.0
	6.1 to 12.0
	12.1 to 18.0
	Greater than 18.0

USCG Beacons

	Green
	Red
	White

Federal Navigation Channel

	Right TOC Line
	Toe Centerline

USCG Buoy

	Green
	Red
	White
	Yellow
	USCG Light
	Coast Guard Rescue

Legend

Bottom Sounding

Soundings may cover several days of survey and may not reach quoted area.

Obstruction Marks

Obstruction

Wreck Submerged

Designed By: ehydro Software v3.82	Survey Date: 19 APR 2016
Reviewed By:	Resource Scale: 1:1,000
Reviewed By:	Project Reference Number: CHA-15-0043
Reference Scale: 1 inch = 250 feet	Survey Type: CONDITION
Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	
Production Date: 21 APR 2016	

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

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

Charleston Upper Harbor Channel Survey

The information depicted on this map represents the results of surveys made on the dates indicated and can only represent the bottom as it existed on those dates and under conditions existing at that time.

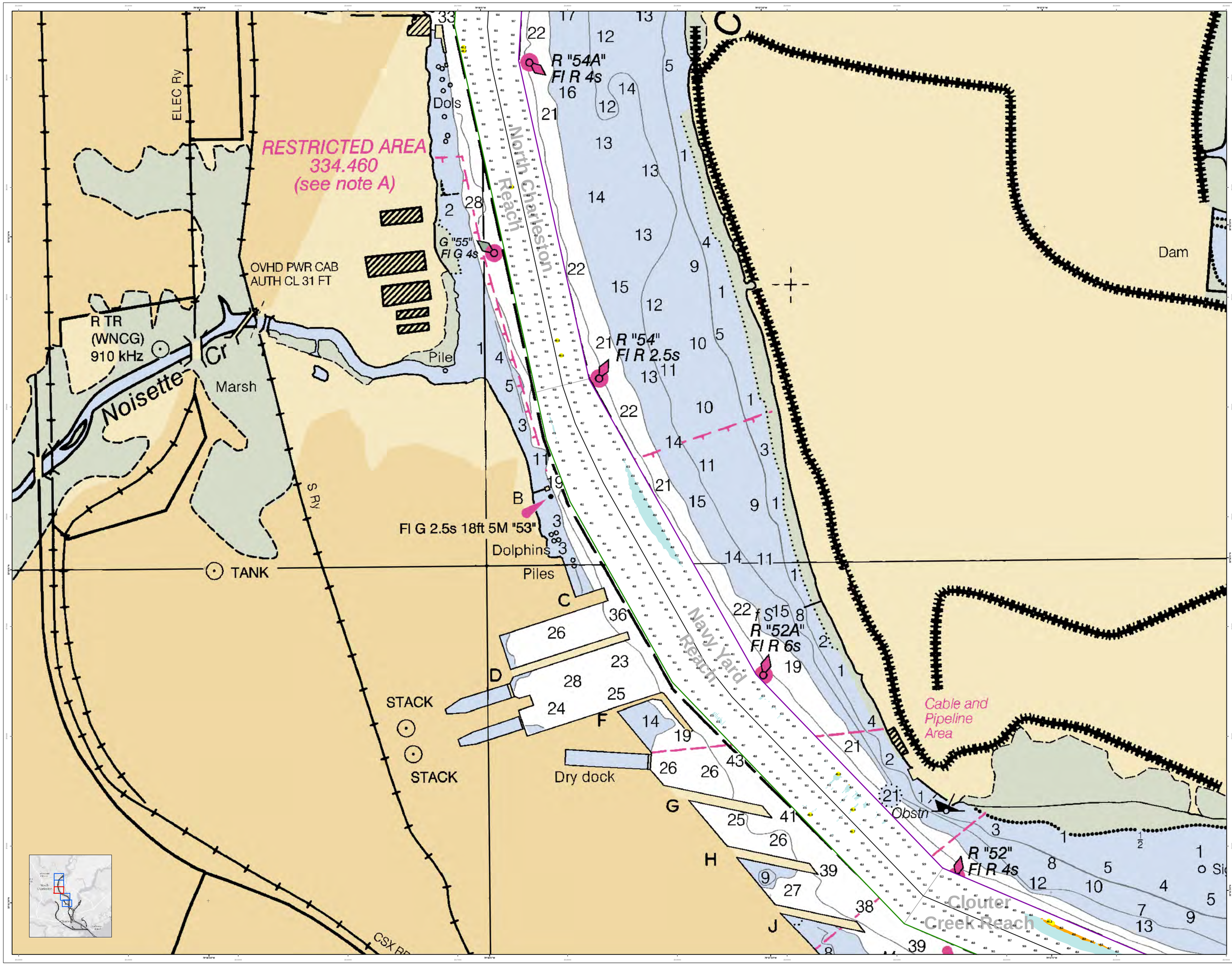
Concluded on: **19 APRIL 2016**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 2 OF 5



U.S. Army Corps of Engineers

Charleston District

Production Notes:

1. Depth data shown on this map is only partially suitable for grounding assessment. Only those areas surveyed with 100% sonar coverage conducted by the Corps of Engineers are suitable for grounding assessment.
2. Soundings are in feet and tenths.
3. Datum: Mean Lower Low Water (MLLW). Tide Station: Charleston, Cooper River entrance 1212A

Legend

Shoals & Sounding

Depth Area

Sounding may come around but not be contained in depth area just inside quarter area.

Obstructions & Wrecks

Obstruction

Wreck Submerged

UXO Hazard

UXO Area

Buoys

Green

Red

White

Yellow

UXO's MPI

Coast Guard Recon

Fairway Navigation Channel

Left TOC Line

Right TOC Line

Thalweg

Depth Feet

Less than 20.0

20.1 to 40.0

40.1 to 60.0

60.1 to 80.0

Greater than 80.0

N

0 125 250 500 750 1000 FEET

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

These data sets have been developed from the best available information at the time of compilation. Users should be aware that datasets are accurate and reliable, errors and outdated conditions do exist. Mariners should not use these data sets for navigation purposes without first the data sources.

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	Designed By: eHydro Software v3.82	Survey Date: 19 APR 2016
	Reviewed By: CWW	Approx. Scale: 1:12,000
	Reference Scale: 1 inch = 250 feet	Survey Type: CONDITION
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet	Production Date: 21 APR 2016
CESAC-GIS@USACE.ARMY.MIL		Project Reference Number: CWW-2016-00100

Charleston Upper Harbor Channel Survey

This 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.

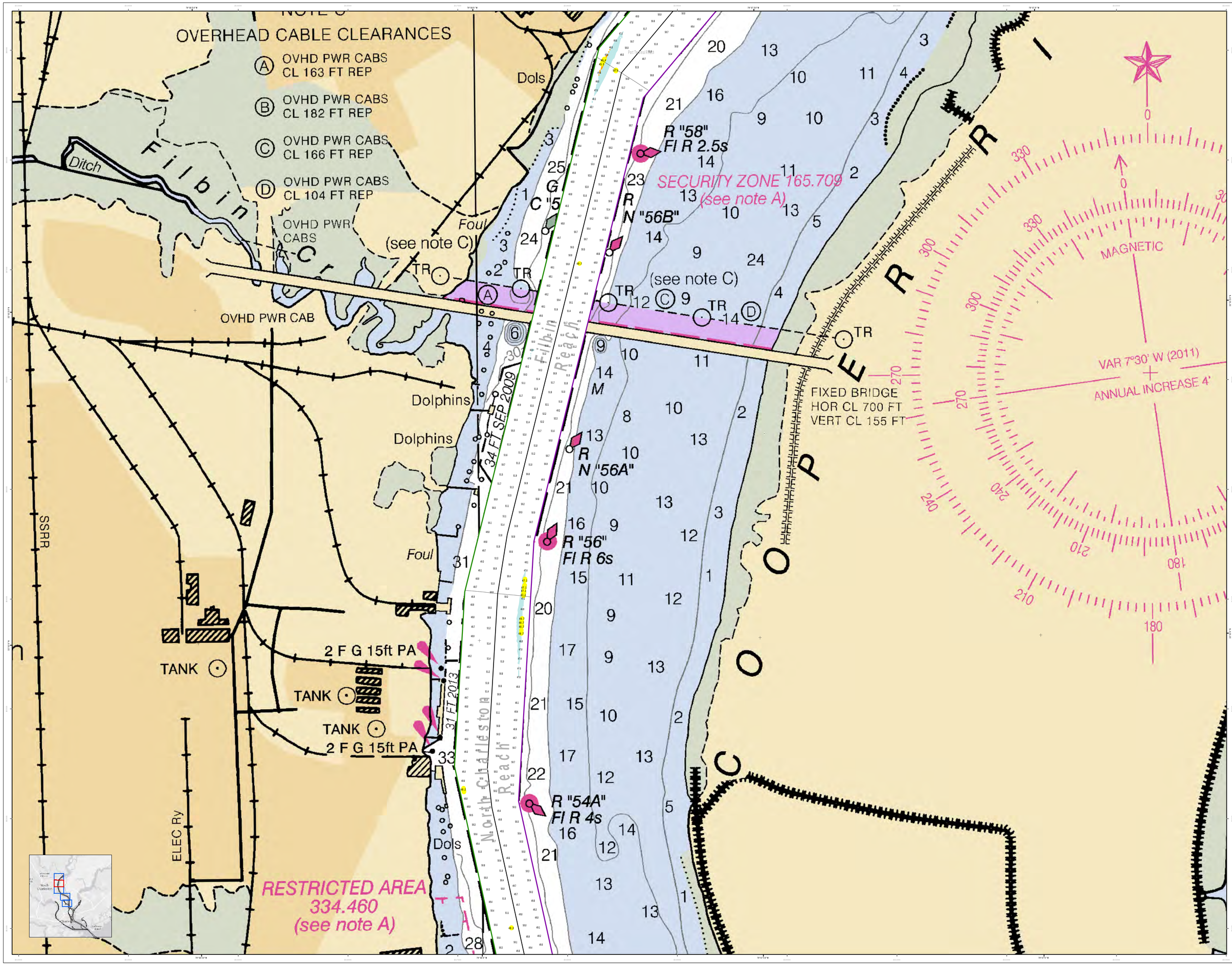
Concluded on: **19 APRIL 2016**

Charleston, South Carolina

SHEET REFERENCE NUMBER

C002

SHEET 3 OF 5

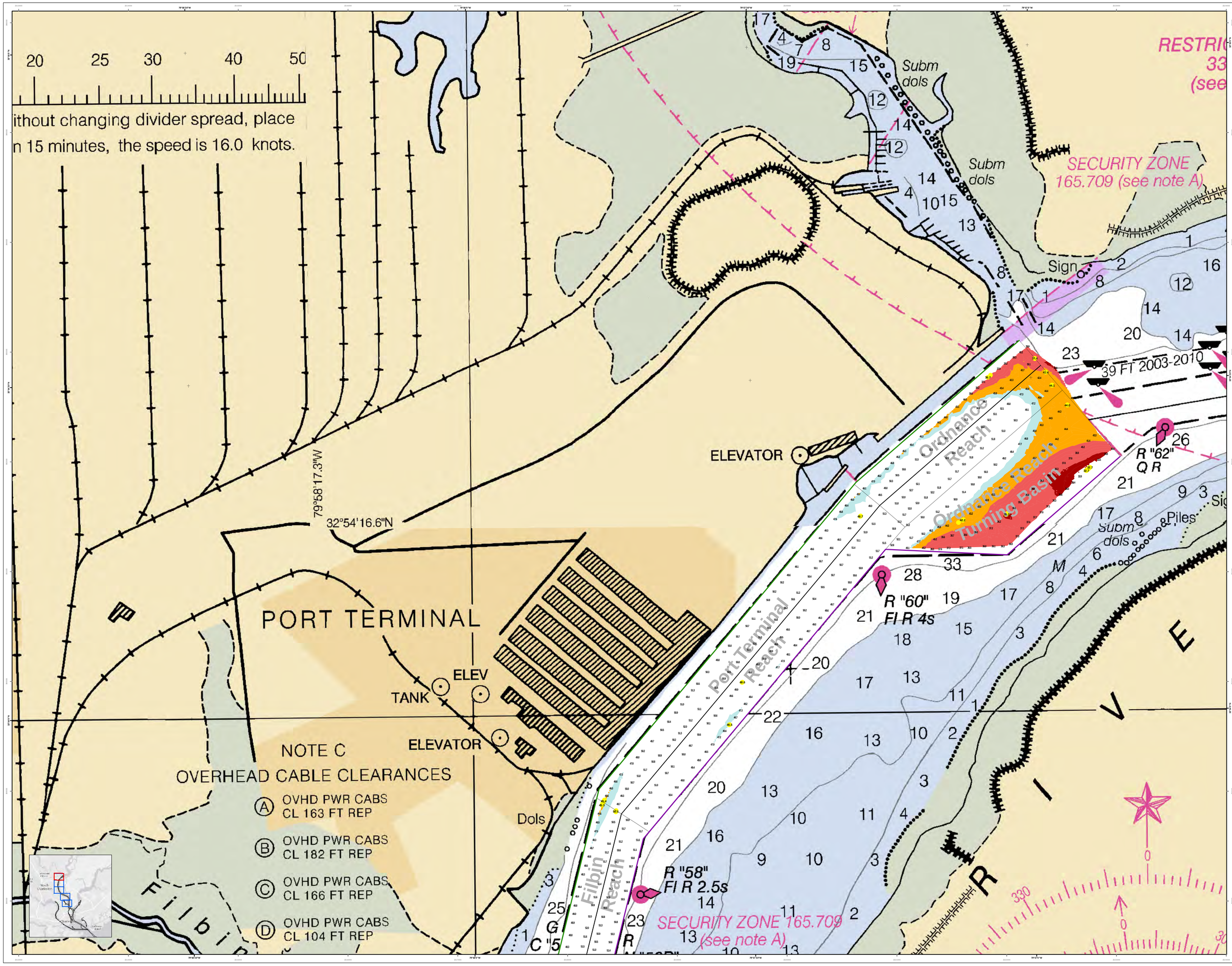


U.S. Army Corps of Engineers
Charleston District

Charleston Upper Harbor Channel Survey
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as a representation of general conditions existing at that time.
Concluded on: 19 APRIL 2016
Charleston, South Carolina

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	Designed by: HydroSoft Software v3.82
SPATIAL DATA BRANCH 69A HAGOOD AVE CHARLESTON, SC 29403	Reviewed by: Jason Wilson
CESAC-GIS@USACE.ARMY.MIL	Reference Scale: 1 inch = 250 feet
	Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet
Survey Date: 19 APR 2016	Production Date: 21 APR 2016
Absolute Scale: 1:2,000	Project Reference Number: CESAC-2016-0100
Survey Type: CONDITION	

SHEET REFERENCE NUMBER
C002
SHEET 4 OF 5



U.S. Army Corps of Engineers
Charleston District

In no event shall the U.S. Army Corps of Engineers, Charleston District Office, Charleston 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 data or information.

These data sets have been developed from the best available source data. No guarantee is made as to the accuracy of the data. Users are cautioned to be aware that errors and outdated conditions do exist in the data and that the data may not be current. **This data is not intended to be used for navigation. Mariners are encouraged to use all prudent safety measures.**

Production Notes:

1. Depth soundings are reduced to the Charleston Mean Low Water datum. Contours are for planning purposes only. Bottom sediments are based on limited samples and are not representative of the entire area. Soundings are in feet and tenths.
2. Soundings are in feet and tenths.
3. Projection: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (US)
4. Vertical Datum: Mean Low Water (MLLW) Tide Station Used: Charleston, Cooper River, South Carolina Predictions 1/1/2016

N

0 125 250 500 750 1000 Feet

Depth Key

USACE Beacon
Lighted
Unlighted
Fixed
Flashing
Red
White
Green
Yellow

Federal Navigation Channel
Right TOE Line
Left TOE Line
USCG LNM
Coast Guard Buoys

Legend

Structures Standing
Structures may cover several acres and are represented by just a small quarter area.
Structure Type
Office Building
Warehouse
Water Tank
Elevator
Warehouse Underground

Survey Date: 19 APR 2016
Production Date: 21 APR 2016
Project Reference Number: CHA-CHARLESTON
Survey Type: CONDITION
Designed By: eHydro Software v3.82
Approved By: LT Jones
Approve Scale: 1:2,000
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
29401

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

Charleston Upper Harbor Channel Survey
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as a reliable general condition existing at that time.
Concluded on: **19 APRIL 2016**
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 5 OF 5