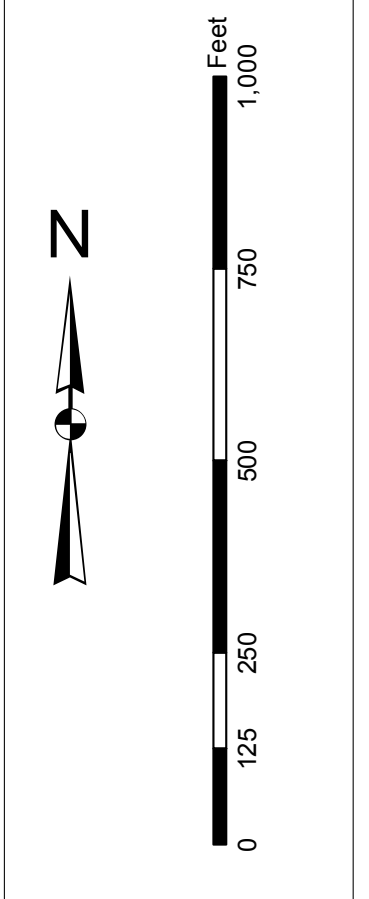


In the event that the U.S. Army Corps of Engineers, Charleston District Office, Special District Office, or any other authorized representative of the Corps is contacted regarding this project, the information provided is for informational purposes only and does not constitute an offer of insurance. This project is not covered by any insurance policy. The information provided is for informational purposes only and does not constitute an offer of insurance. The information provided is for informational purposes only and does not constitute an offer of insurance.

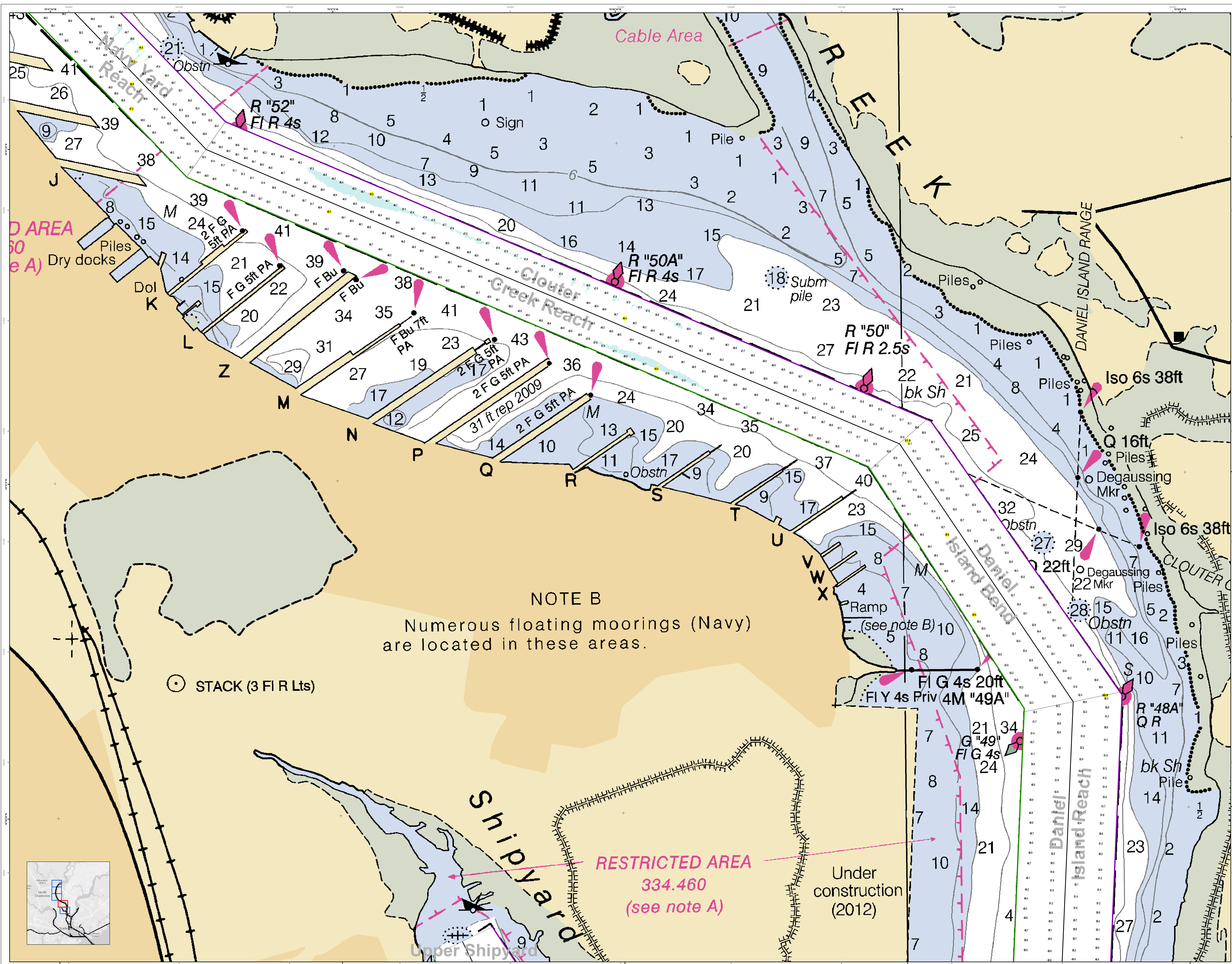


Legend

Water	Light Blue
Shoals	Yellow
Obstruction	Black with red center
Light	White
Dark	Black
Obstruction	Black with red center
Obstruction	Black with red center
Obstruction	Black with red center

Designed by:	U.S. Army Corps of Engineers, District of South Carolina, Charleston, South Carolina
Design Date:	06 Mar 2015
Project Reference Number:	334.460
Survey Type:	Single-beam Condition
Reference Scale:	1 inch = 250 feet
Projection:	NAD 1983 StatePlane South Carolina FIPS 3200 Feet

Charleston Upper Harbor Channel Survey
The information depicted on this map represents the results of surveys made on the dates indicated and shall not be used for navigation purposes without the general conditions existing at that time.
Concluded on: 05 March 2015
Charleston, South Carolina



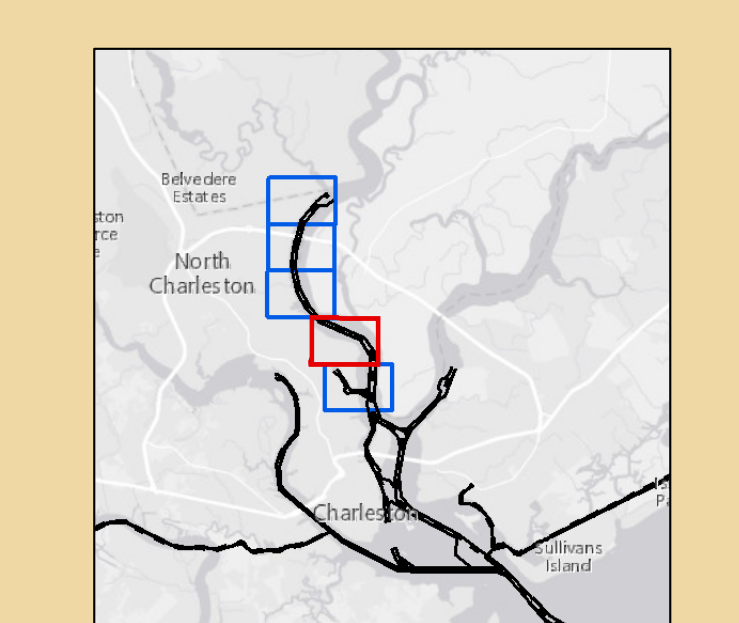
RESTRICTED AREA
334.460
(see note A)

NOTE B
Numerous floating moorings (Navy)
are located in these areas.

○ STACK (3 FI R Lts)

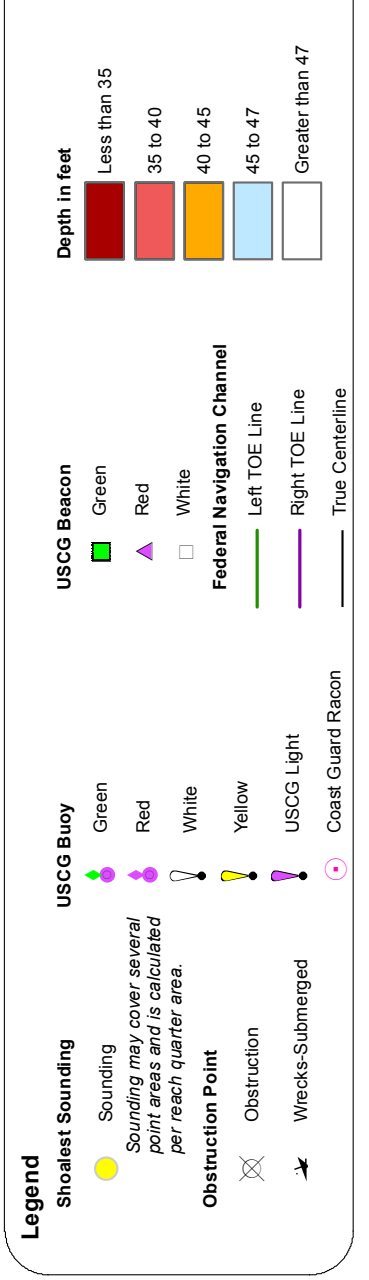
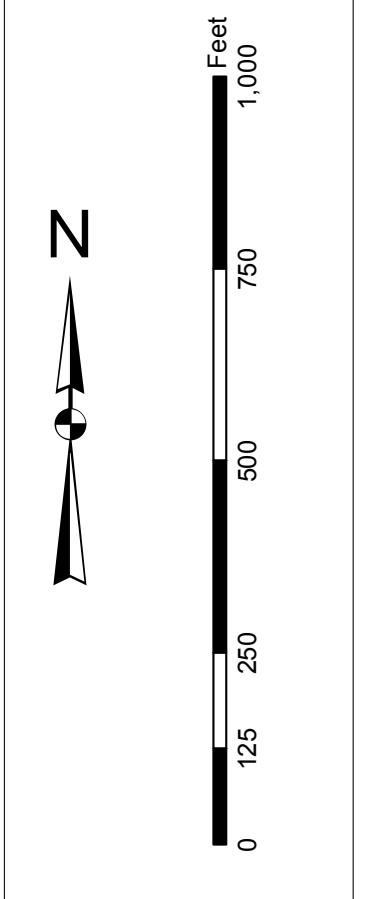
RESTRICTED AREA
334.460
(see note A)

Under
construction
(2012)



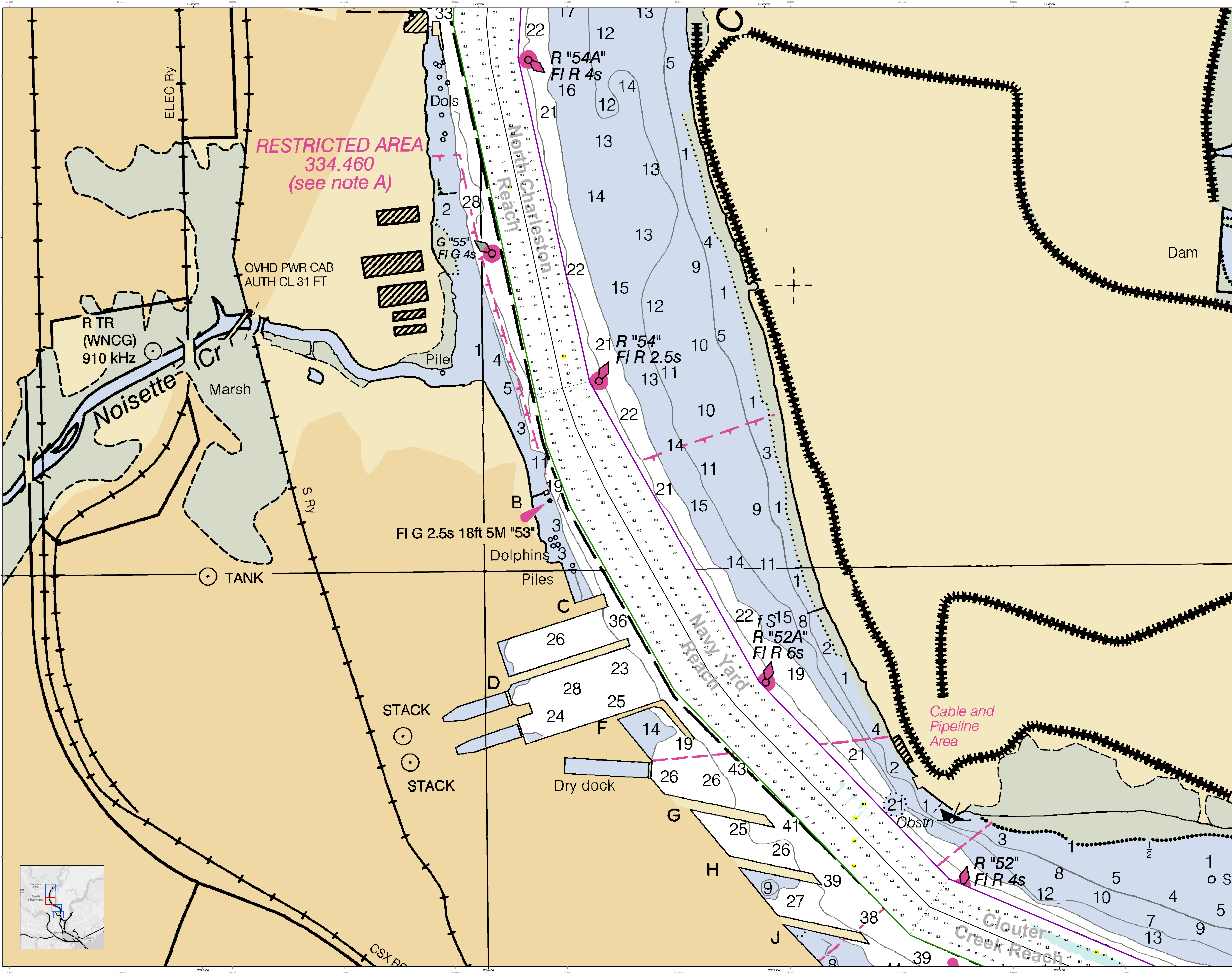
In the event that the U.S. Army Corps of Engineers, Charleston District Office, Special District Office, or District Office is unable to provide the information requested, the user should contact the District Office, Charleston District, 1000 North Main Street, Charleston, SC 29405. There are no warranties or representations made by the U.S. Army Corps of Engineers, Charleston District Office, or District Office regarding the accuracy or completeness of the information provided. The user is responsible for verifying the accuracy and completeness of the information provided. The user is also responsible for obtaining all necessary permits and approvals from the appropriate authorities. The user is encouraged to use all prudent safety measures.

Projections: NAD 1983 StatePlane South Carolina FIPS 3200 Feet
Datum: NAVD 83
Units: Feet
Scale: 1 inch = 250 feet
Map Date: 05 March 2015



Designed by: Hydro Software v3.6.1	Creation Date: 06 Mar 2015 06 MAR 2015
Reviewed by: T. S. DODD	Project Reference Number: 10000000000000000000
Reference scale: 1 inch = 250 feet	Survey Type: Single-beam Channel
Projection: NAD 1983 StatePlane South Carolina FIPS 3200 Feet	

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Charleston, South Carolina



RESTRICTED AREA
334.460
(see note A)

OVHD PWR CAB
AUTH CL 31 FT

R TR
(WNCG)
910 KHz

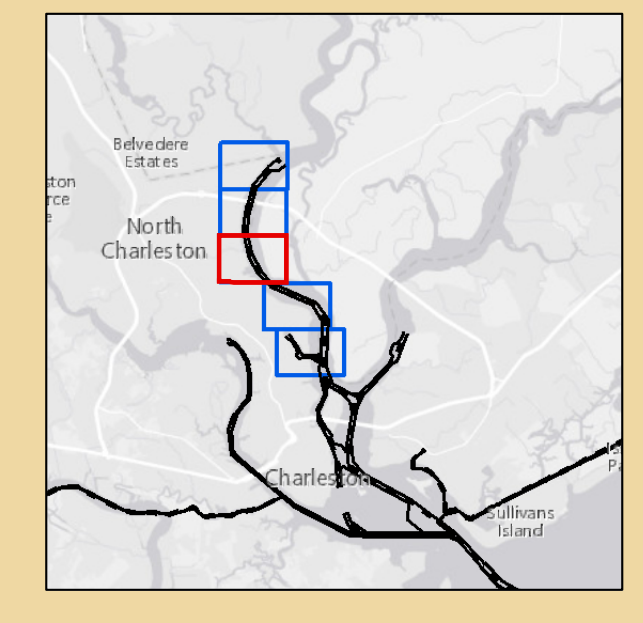
TANK

FIG 2.5s 18ft 5M "53"

R "52A"
FIR 6s

Cable and
Pipeline
Area

R "52"
FIR 4s



OVERHEAD CABLE CLEARANCES

- (A) OVHD PWR CABS
CL 163 FT REP
- (B) OVHD PWR CABS
CL 182 FT REP
- (C) OVHD PWR CABS
CL 166 FT REP
- (D) OVHD PWR CABS
CL 104 FT REP

OVHD PWR CABS
(see note C)

OVHD PWR CAB

2 F G 15ft PA

TANK

TANK

2 F G 15ft PA

RESTRICTED AREA
334.460
(see note A)

SECURITY ZONE 165.709
(see note A)

FIXED BRIDGE
HOR CL 700 FT
VERT CL 155 FT

MAGNETIC
VAR 7°30' W (2011)
ANNUAL INCREASE 4'

U.S. Army Corps of Engineers
Charleston District

Legend

- Designated Areas:
 - Security Zone
 - Restricted Area
 - Other
- Obstructions:
 - Light
 - Structure
 - Other
- Navigation:
 - Channel
 - Shoal
 - Other
- Other:
 - Overhead Power Line
 - Other

Scale: 1" = 250' feet

North Arrow

Created: 05 MAR 2015

Project Reference Number: 165709

Survey Type: Single-beam Channel

Scale: 1" = 250' feet

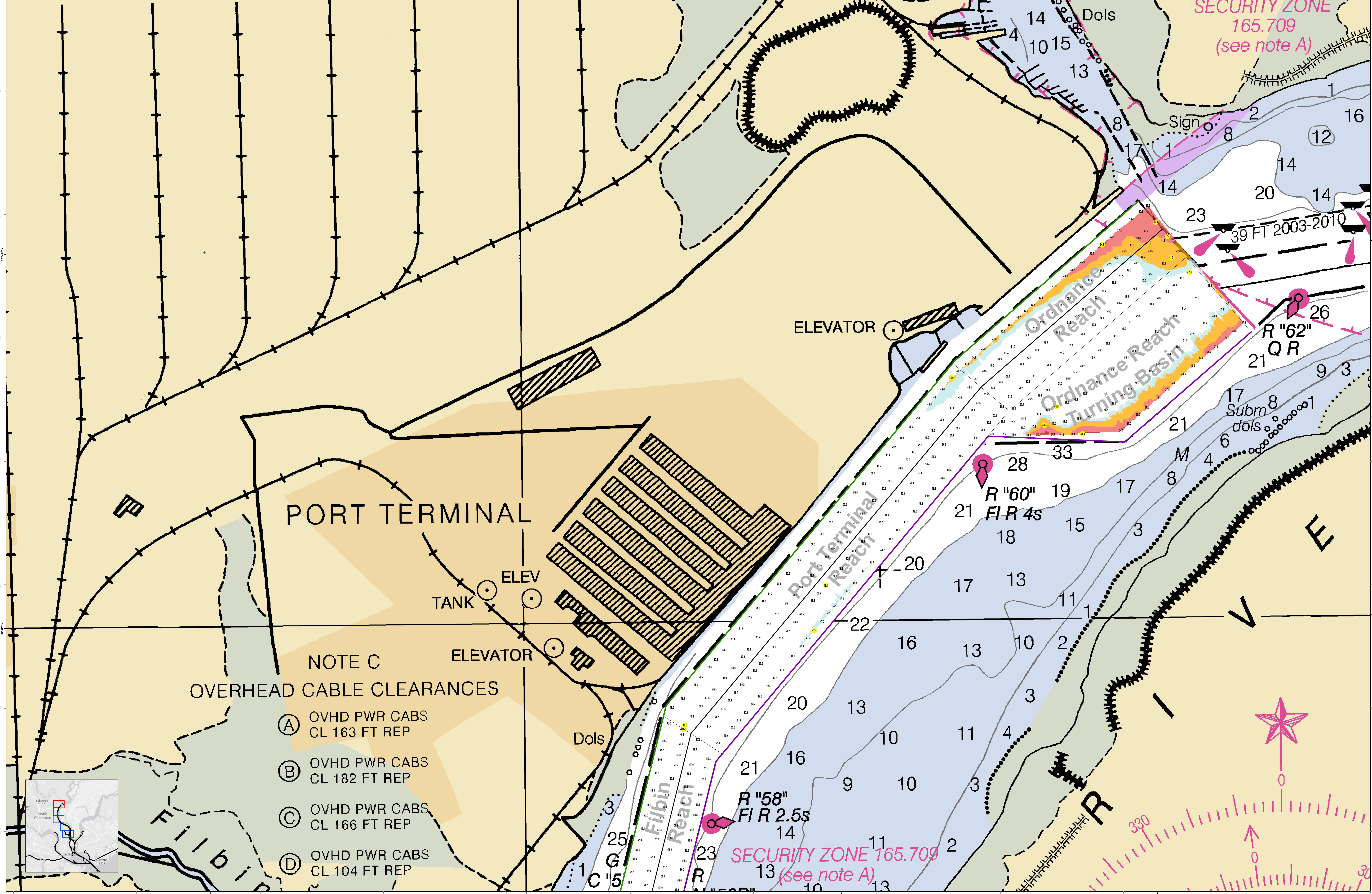
Projection: NAD 1983 StatePlane South Carolina FIPS 3200 Feet

Charleston Upper Harbor Channel Survey
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Concluded on: 05 March 2015
Charleston, South Carolina

SHEET REFERENCE NUMBER: C002
SHEET 4 OF 5

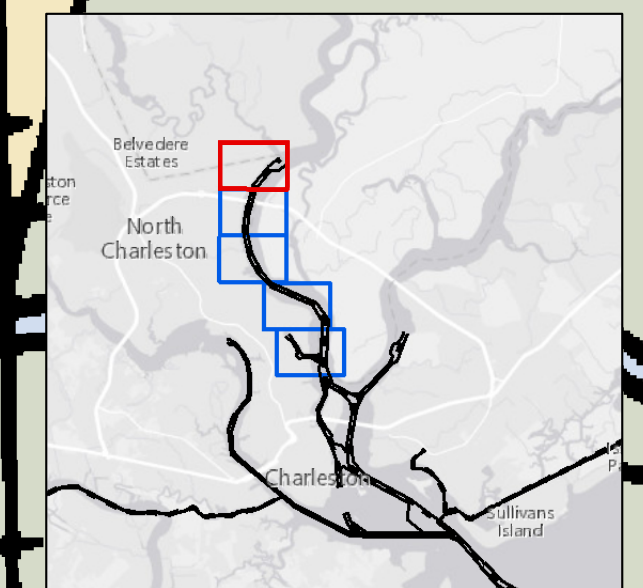
20 25 30 40 50 60

Without changing divider spread, place
in 15 minutes, the speed is 16.0 knots.



NOTE C
OVERHEAD CABLE CLEARANCES

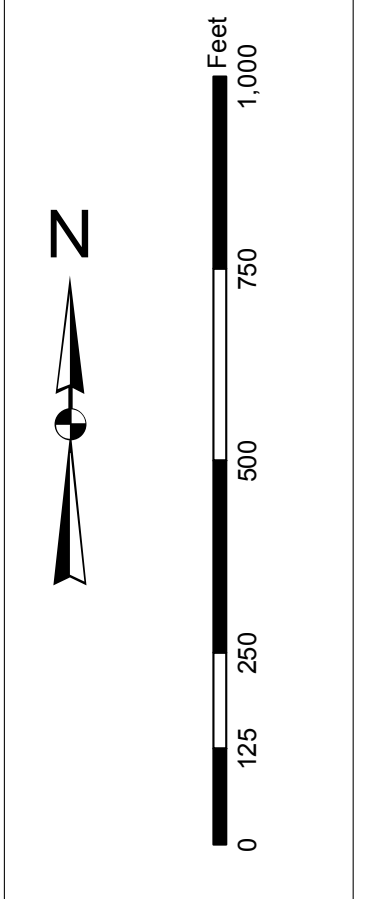
- (A) OVHD PWR CABS
CL 163 FT REP
- (B) OVHD PWR CABS
CL 182 FT REP
- (C) OVHD PWR CABS
CL 166 FT REP
- (D) OVHD PWR CABS
CL 104 FT REP



RESTR 3 (se

U.S. Army Corps of Engineers
Charleston District

Projections:
1. North Carolina State Plane
2. NAD 83 StatePlane South Carolina FIPS 3200 Feet
3. Survey Type: Single-beam Condition
4. Reference Scale: 1 inch = 250 feet
5. Projection: NAD 1983 StatePlane South Carolina FIPS 3200 Feet



Legend:

Soundings	Depth	Obstruction	Light	Structure	Other
Color swatches for depth	Color swatches for obstructions	Color swatches for lights	Color swatches for structures	Color swatches for other features	Color swatches for other features

U.S. Army Corps of Engineers
Charleston District
Charleston, South Carolina
BAYVIEW BRANCH
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CHARLESTON, SC 29405
CESAC-GIS.USACE.ARMY.MIL

Charleston Upper Harbor Channel Survey
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Concluded on: 05 March 2015
Charleston, South Carolina

SHEET REFERENCE NUMBER
C002
SHEET 5 OF 5