

# BookletChart™

## Hampton Roads

NOAA Chart 12245

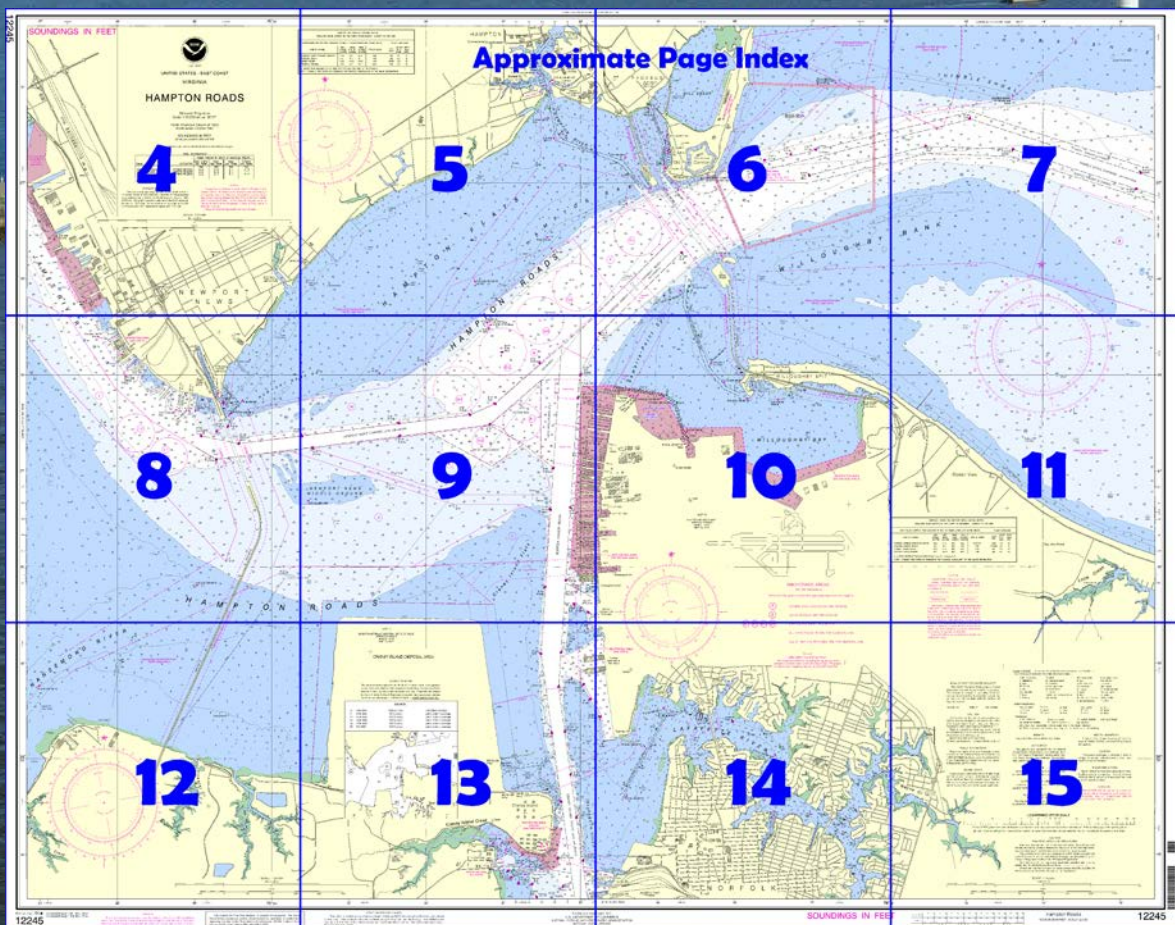


*A reduced-scale NOAA nautical chart for small boaters*

*When possible, use the full-size NOAA chart for navigation.*



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the**  
**National Oceanic and Atmospheric Administration**  
**National Ocean Service**  
**Office of Coast Survey**  
[www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov)  
**888-990-NOAA**

### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=12245>



#### (Selected Excerpts from Coast Pilot)

**Thimble Shoal Light** (37°00.9'N., 76°14.4'W.), 55 feet above the water, is shown from a red conical tower on a brown cylindrical pier on the eastern edge of the shoal; a fog signal is sounded from the station.

A **bridge-tunnel complex** crosses Chesapeake Bay from Willoughby Spit to Hampton.

**Old Point Comfort**, is the site of historic **Fort Monroe. Old Point Comfort Light**

(37°00.1'N., 76°18.4'W.), 54 feet above the water, is shown from a white tower. Only Government craft can tie up at the wharf on the south waterfront of Old Point Comfort.

A naval **restricted area** extends eastward and southward of Old Point Comfort, and a **danger zone** of an army firing range extends to seaward from a point 1.5 miles northward of the point.

**Hampton Bar** begins about 200 yards southwestward of Old Point Comfort and extends 2 miles southwestward; depths on the bar are 1 to 5 feet. The bar is marked by two lights and by a buoy and daybeacon along its southern edge.

A dredged channel, marked by a light and daybeacons, leads along the west side of Old Point Comfort to **Phoebus** and has a depth of 12 feet. The wharves have depths of 8 to 12 feet at their outer ends, but are in poor condition. Small craft can anchor in depths of 8 to 20 feet along the sides of the channel. The Fort Monroe yacht piers are on the east side of the channel 0.4 mile above Old Point Comfort.

**Hampton River** is entered by a marked channel through Hampton Bar and Flats to a point just below the highway bridge at Hampton. Federal project depths are 12 feet.

**Sunset Creek** is entered by a marked dredged channel leading westward from the channel in the river and has a federal project of 12 feet. The commercial wharves at Hampton have depths of 7 to 12 feet at their faces. The public landing 500 yards below the bridge has depths of 8 feet at the face; small boats anchor between the public landing and the bridge. The wharves along Sunset Creek have depths of 4 to 9 feet at their outer ends.

Supplies and fuel are available at Hampton. A yacht club and several marinas have berthing space.

**Newport News Middle Ground Light** (36°56.7 'N., 76°23.5'W.), 52 feet above the water, is shown from a red conical tower on a red cylindrical pier in 15 feet of water near the western end of the shoal; a seasonal fog signal is at the light.

**Newport News Creek** is a city-owned small-boat harbor. In July 2000, the controlling depth was 12.0 feet in the dredged channel to the head of the project, except for a depth of 11.5 feet in the right outside quarter channel edge about 0.18 mile from the channel entrance. Fuel, supplies, and slips are available.

**Anchorage.**—Numerous general, explosives, naval, and small-craft anchorages are in Hampton Roads and Elizabeth River. (See **110.1 and 110.168**, chapter 2, for limits and regulations.)

The Newport News to Craney Island pipeline is a 24-inch diameter submerged pipeline carrying natural gas. The method of construction involved directional drilling from five locations along the length of the pipeline termed "Stitch Points," labeled A through E on charts 12245 and 12222. The pipeline runs between 6 and 65 feet below the seabed. (See Coast Pilot 3, chapter 9 for complete details.)

The **currents** are influenced by the winds & may attain velocities in excess of the tabulated values.

**Quarantine** is enforced in accordance with regulations of the U.S. Public Health Service. (See Public Health Service, chapter 1.) The **quarantine anchorage** is southeastward of York Spit Channel Lighted Buoy 38. Hampton Roads is a **customs port of entry**.

A naval **restricted area** extends eastward and southward of Old Point Comfort, and a **danger zone** of an army firing range extends to seaward from a point 1.5 miles northward of the point. (See **334.350**, and **334.360**, chapter 2, respectively, for limits and regulations.)

A **safety zone** is in effect in the Elizabeth River when a naval aircraft carrier transits the river to or from the Norfolk Naval Shipyard. (See **334.290**, chapter 2, for limits and regulations.)

### U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Norfolk	Commander	
	5th CG District	(575) 398-6231
	Norfolk, VA	



# Navigation Manager Regions



To make suggestions, ask questions, or report a problem with a chart, go to <https://www.nauticalcharts.noaa.gov/customer-service/assist/>

## Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at <http://www.navcen.uscg.gov>

# SOUNDINGS IN FEET



## UNITED STATES - EAST COAST VIRGINIA

# HAMPTON ROADS

Mercator Projection  
Scale 1:20,000 at Lat. 36°57'

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

### TIDAL INFORMATION

NAME	PLACE (LAT/LONG)	Height referred to datum of soundings (MLLW)		
		Mean Higher High Water	Mean High Water	Mean Low Water
Old Point Comfort	(37°00'N/76°19'W)	feet 2.8	feet 2.6	feet 0.1
Hampton Roads (Sewells Pt)	(36°57'N/76°20'W)	2.8	2.5	0.1
Newport News	(36°58'N/76°26'W)	2.9	2.7	0.1

Dashes (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov>. (Apr 2013)

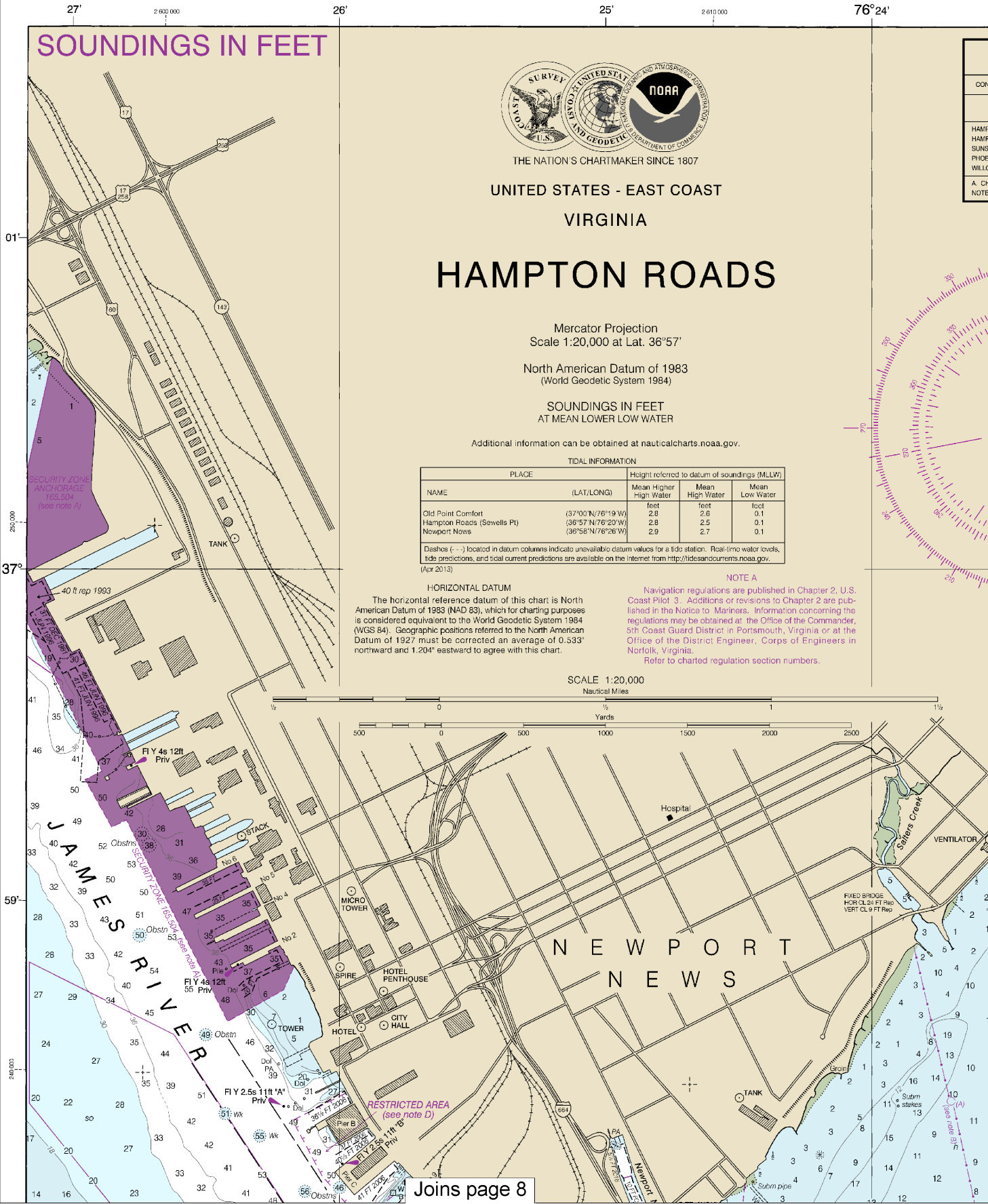
### HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.533" northward and 1.204" eastward to agree with this chart.

### NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia or at the Office of the District Engineer, Corps of Engineers in Norfolk, Virginia. Refer to charted regulation section numbers.

SCALE 1:20,000



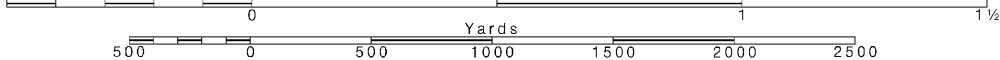
Joins page 8

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

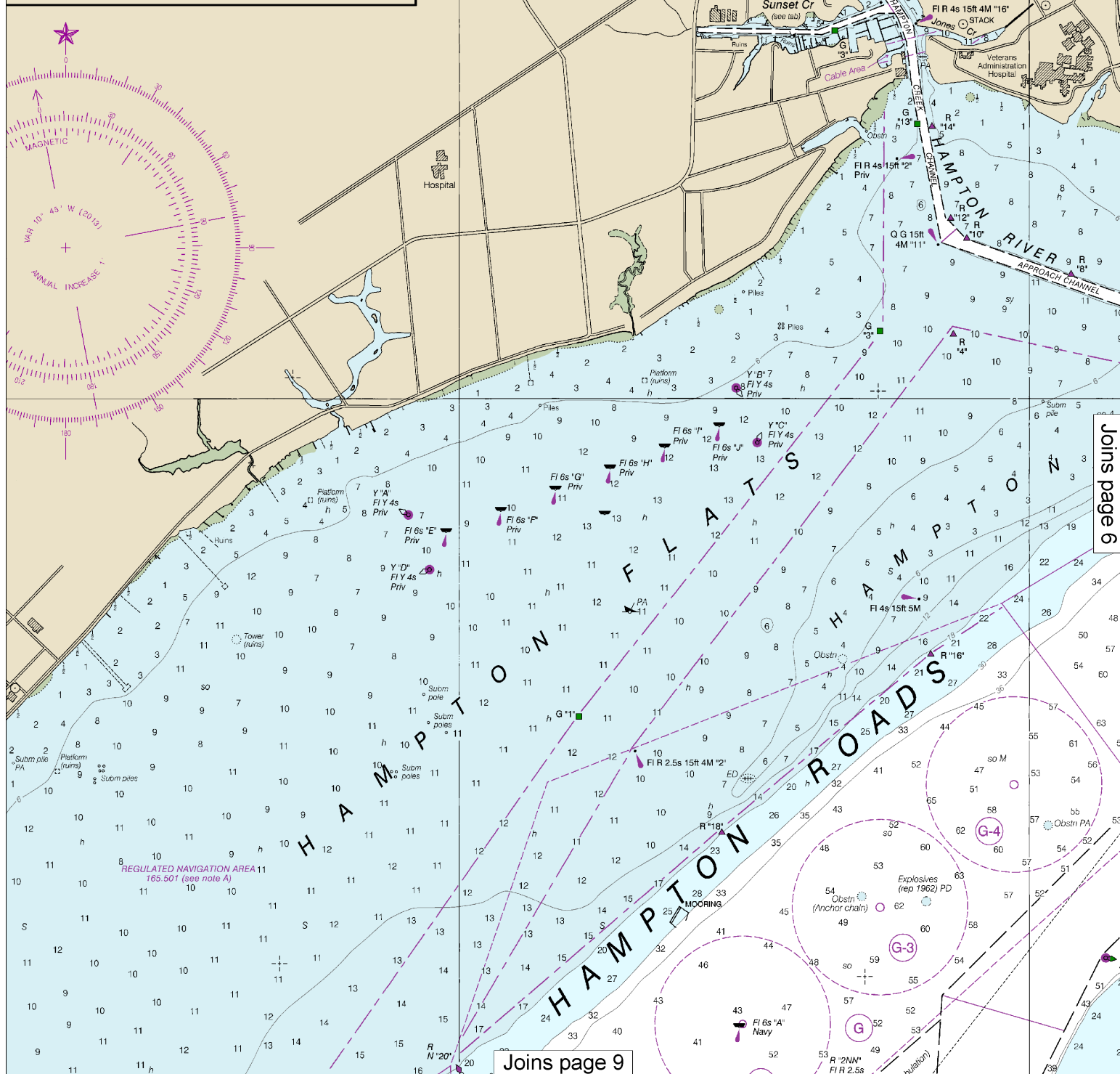
SCALE 1:20,000  
Nautical Miles

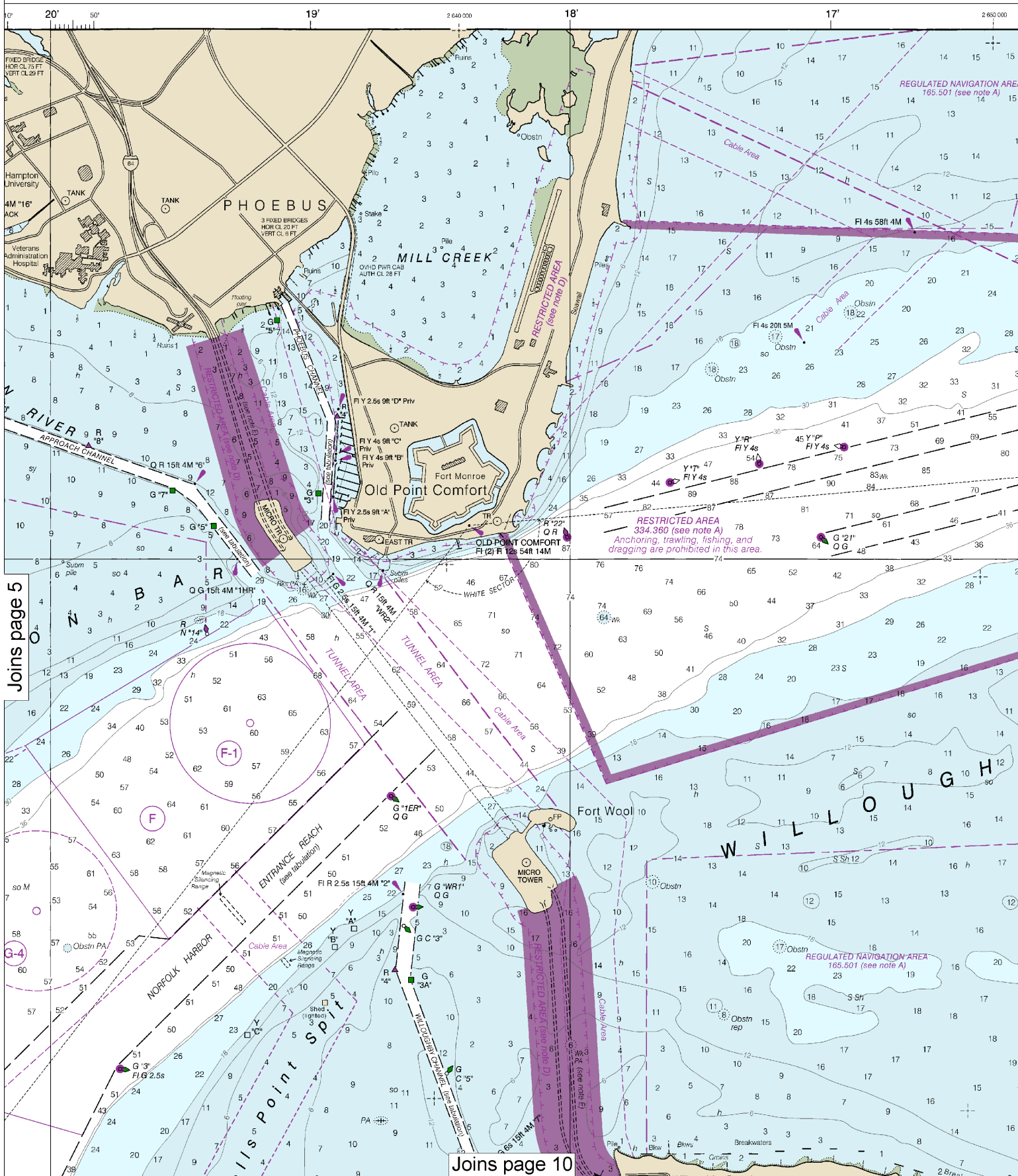
See Note on page 5.



HAMPTON PHOEBUS AND WILLOUGHBY CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2017							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT QUARTER	MIDDLE HALF OF CHANNEL	RIGHT HALF OF CHANNEL	DATE OF SURVEY	WIDTH (FEET)	LENGTH (IN FEET)	DEPTH MLLW (FEET)
YPTON CREEK APPROACH CHANNEL	10.8	12.4	11.6	11-17	200	1.2	12
YPTON CREEK CHANNEL	8.3	10.8	8.7	11-17	150	1.4	12
NSET CREEK	10.2	5.0	9.4	11-17	100.80	0.7	12
DEBUS CHANNEL	12.5	12.1	11.7	6-03	150	1.7	12
LOUGHBY CHANNEL	2.2	2.3	8.4	4-17	A300	0.6	10

CHANNEL WIDTH MAINTAINED AT 220 FEET SOUTH OF 36°58'43.07" 76°18'38.55" W  
 TE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION





Joins page 5

Joins page 10

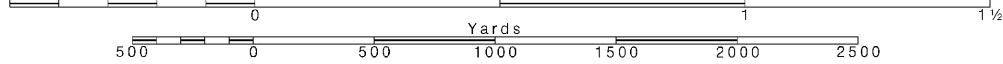
6

Note: Chart grid lines are aligned with true north.

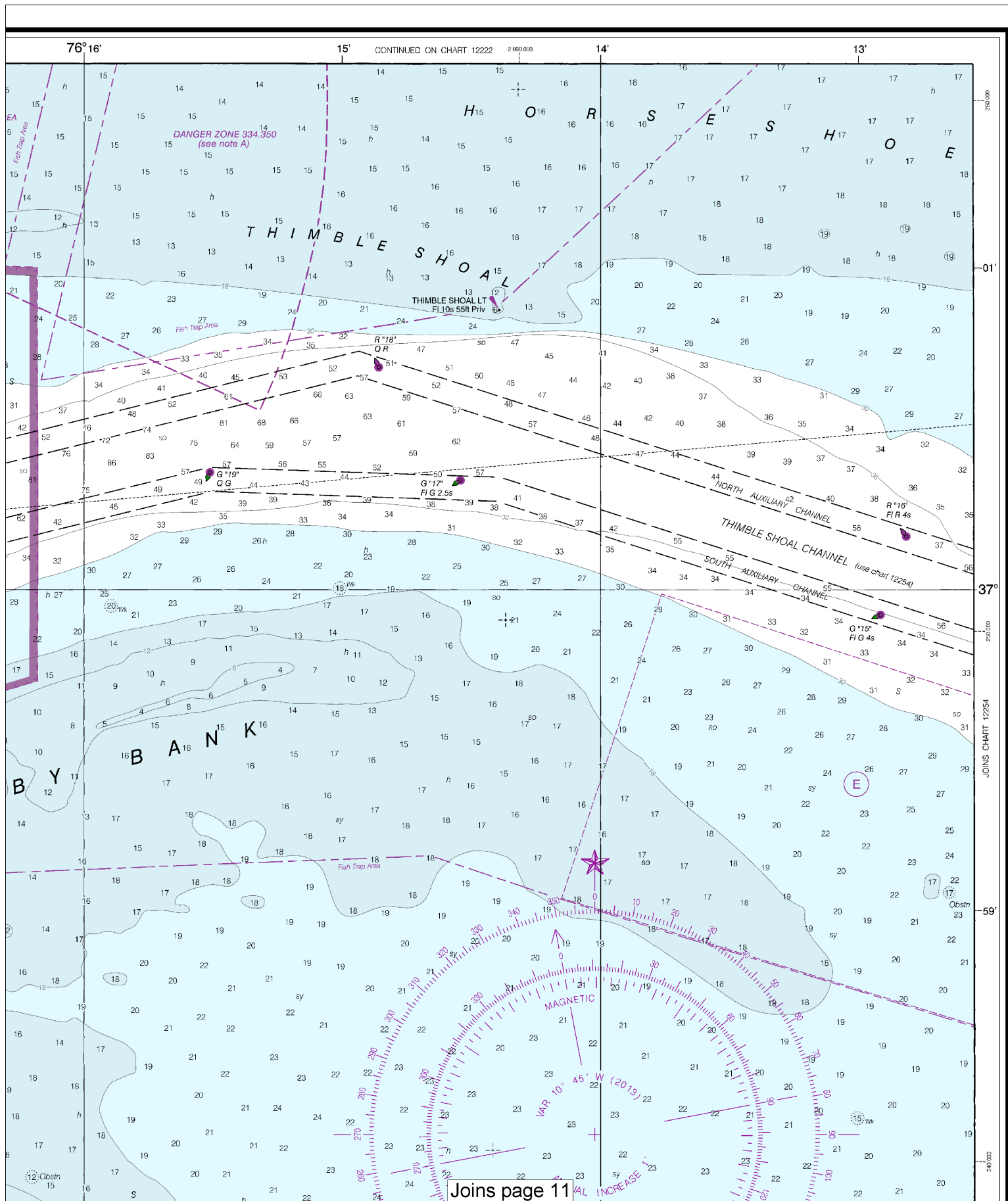
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SCALE 1:20,000  
Nautical Miles

See Note on page 5.



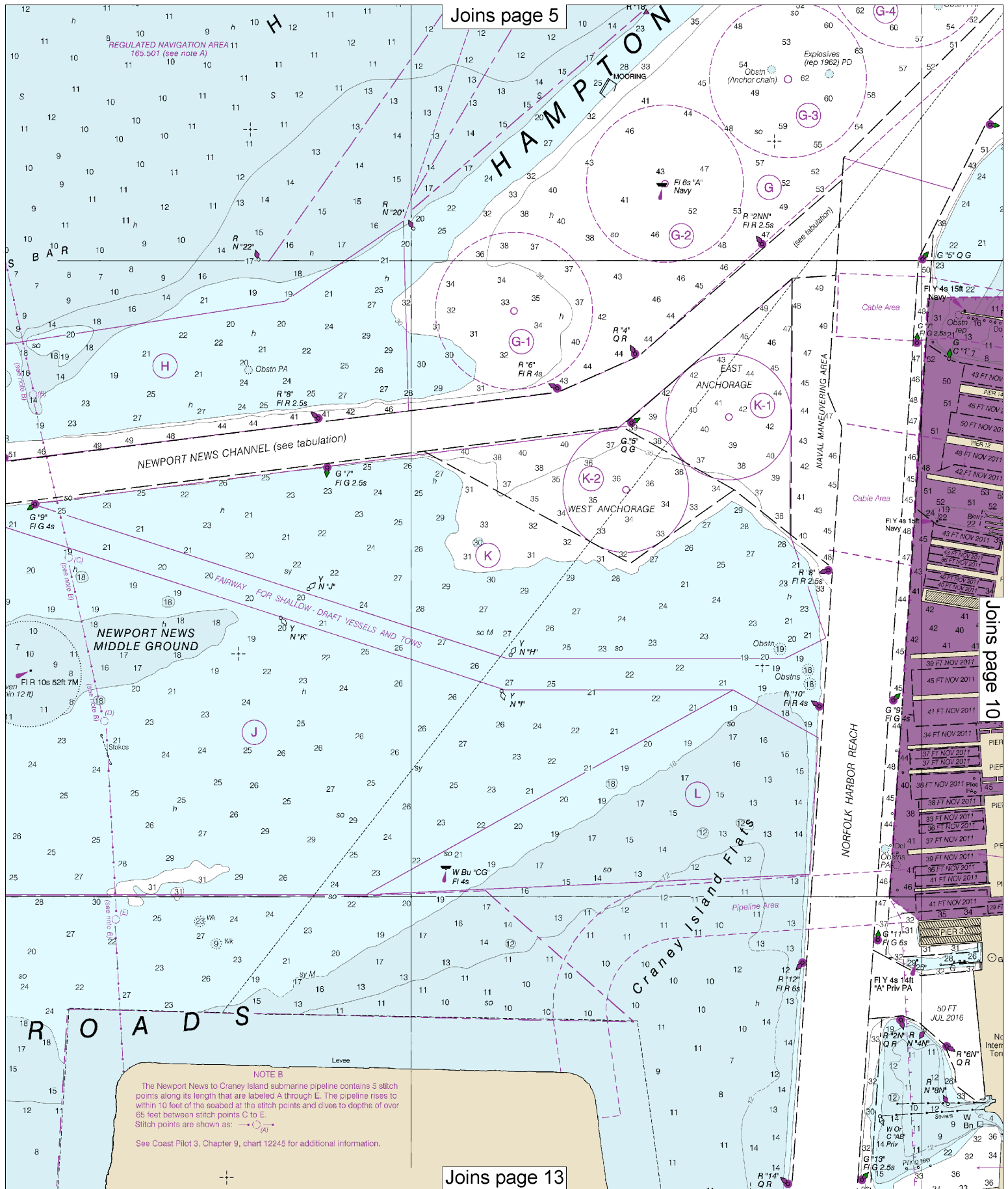




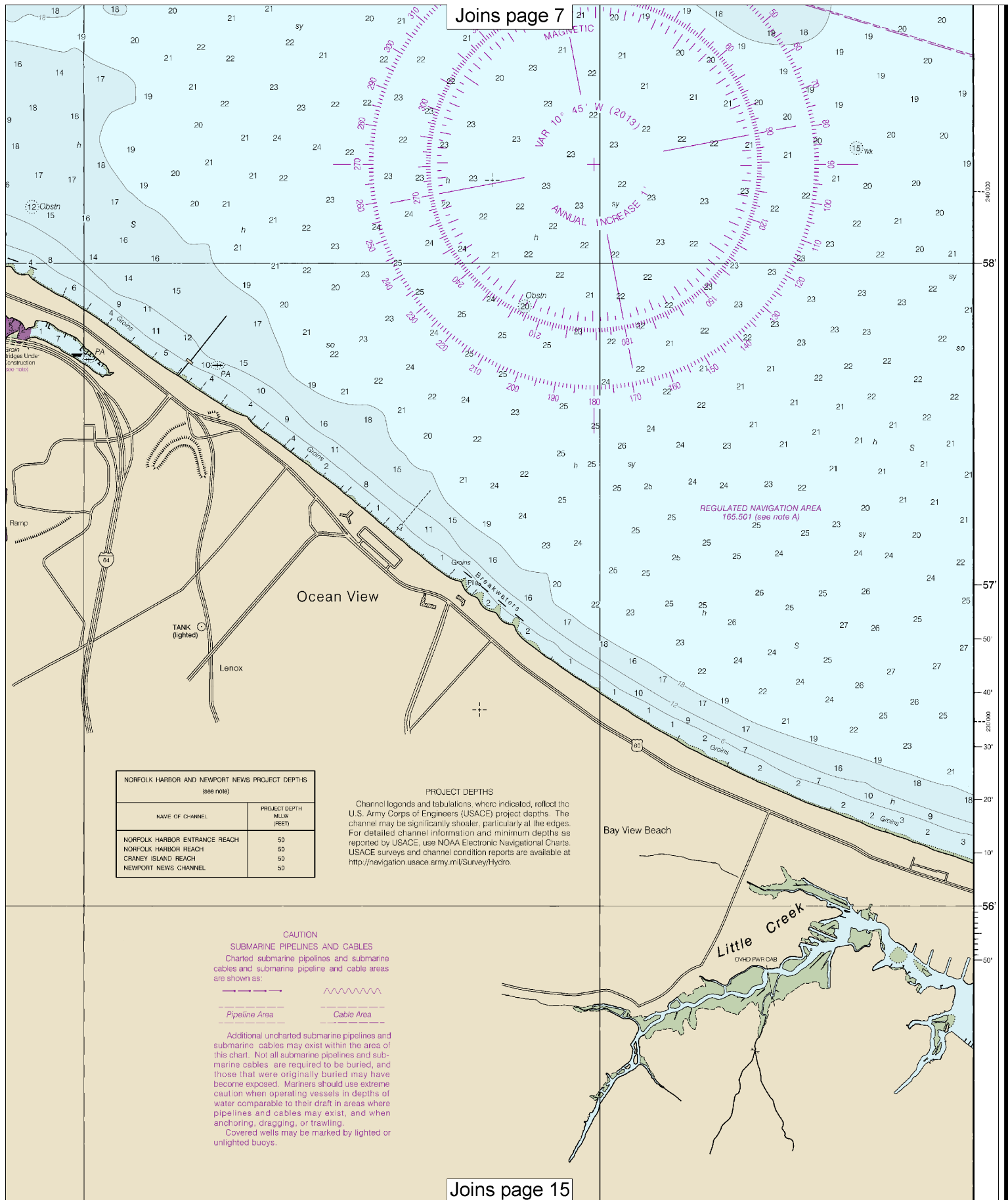
This is the Last Edition of this chart. It will be canceled on Mar 6, 2024  
 1st Ed., Aug. 2020. Last Correction: 2/28/2024. Cleared through:  
 NM: 0924 (2/27/2024), NM: 1024 (3/9/2024)



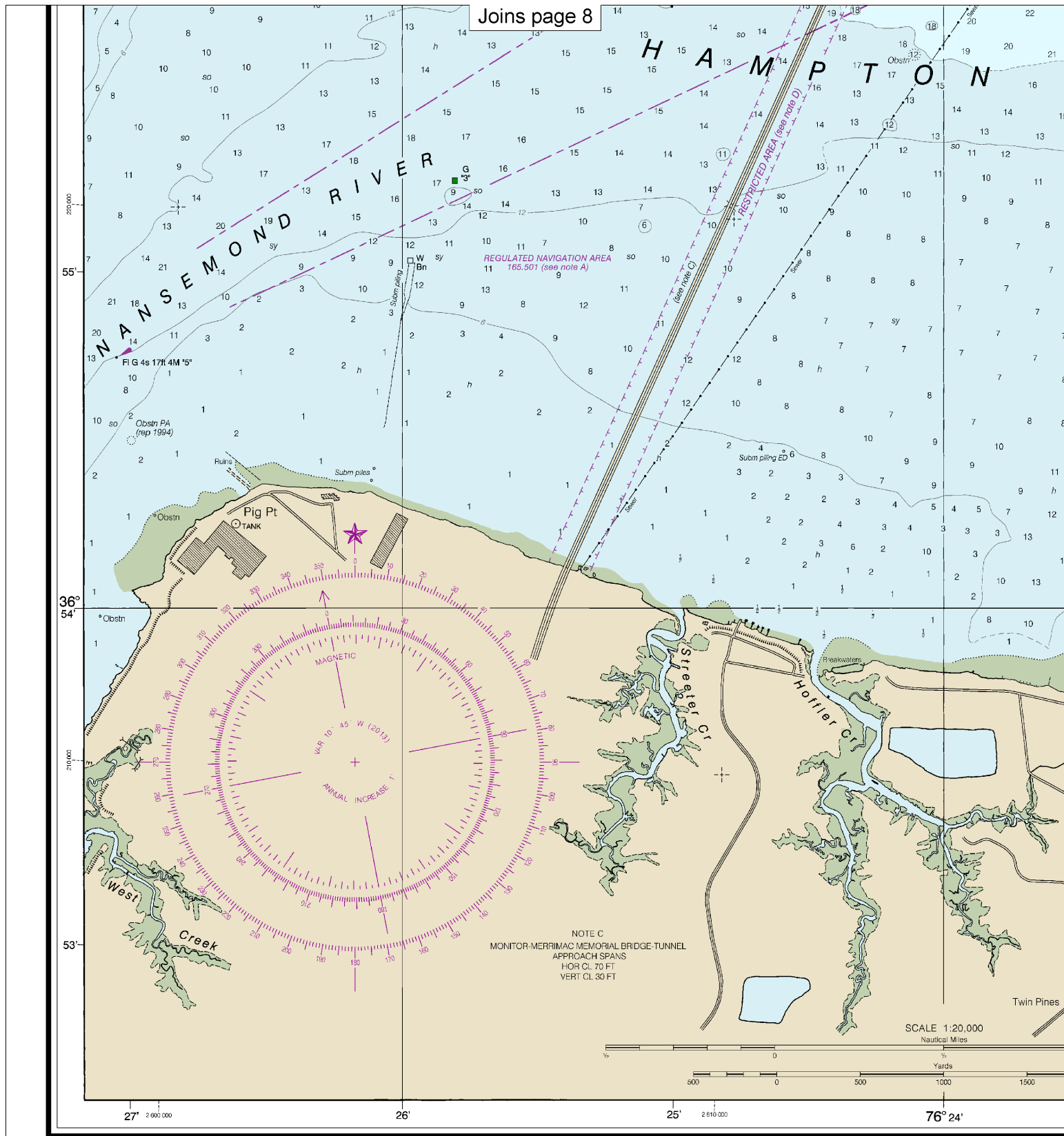












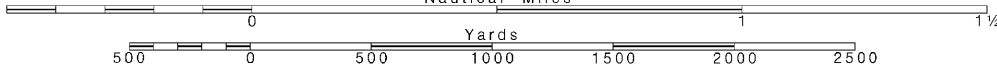
12

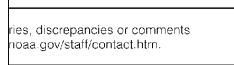
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

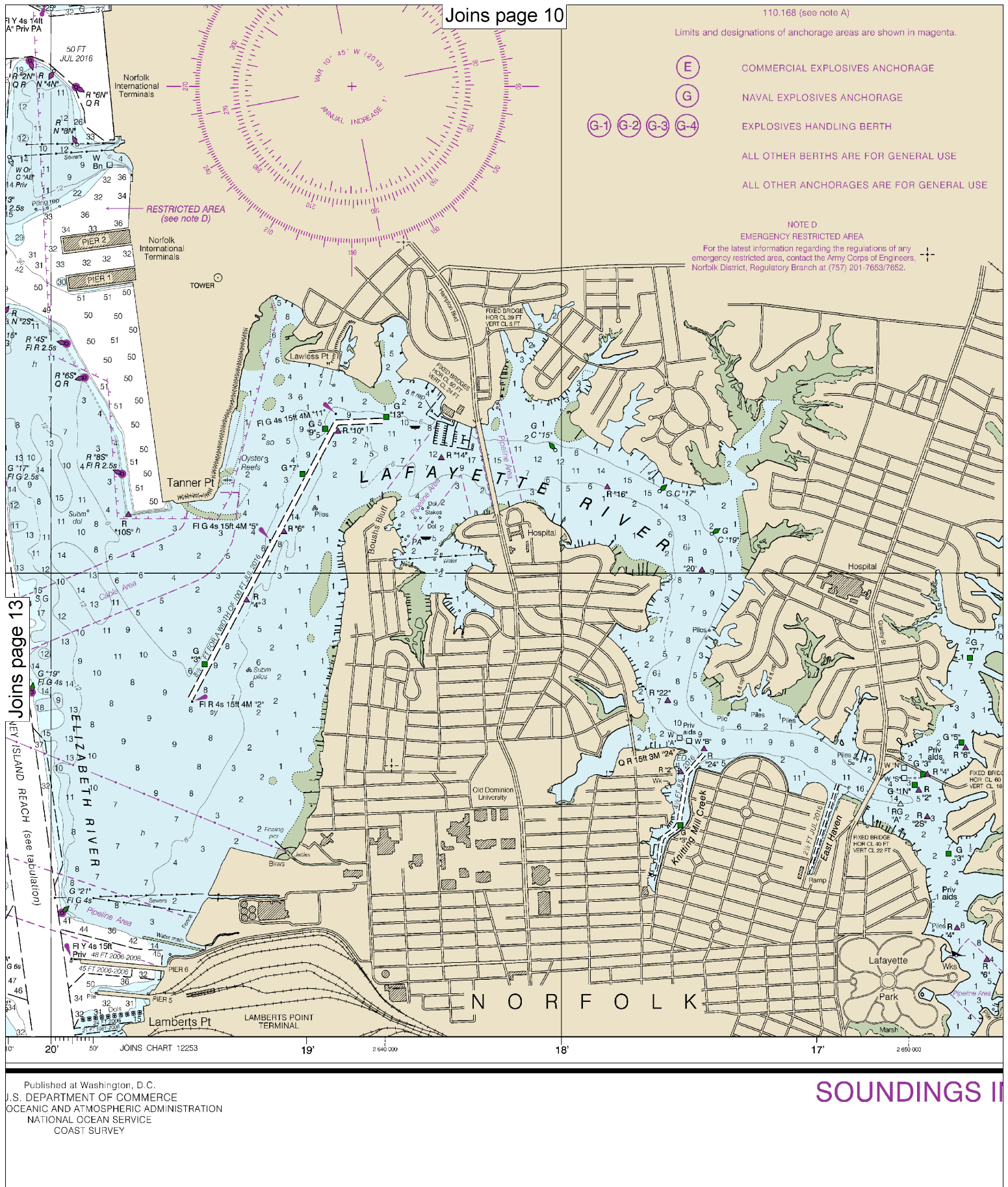
SCALE 1:20,000  
Nautical Miles

See Note on page 5.





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Note: Chart grid lines are aligned with true north.



are shown as:

Pipeline Area

Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

## NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Norfolk, VA KHB-37 162.550 MHz

## CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

○ (Accurate location) ○ (Approximate location)

## POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

## RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

## ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical  
Al alternating  
B black  
Bn beacon  
C can  
DIA diaphone  
F fixed  
Fl flashing

G green  
IQ interrupted quick  
Iso isophase  
LT HO lighthouse  
M nautical mile  
m minutes  
MICRO TR microwave tower  
Mkr marker

Mo morse code  
N nun  
OBSC obscured  
Oc occulting  
Or orange  
Q quick  
R red  
Ra Rof radar reflector  
R Bn radiobeacon

R TR radio tower  
Rot rotating  
s seconds  
SEC sector  
St M statute miles  
VQ very quick  
W white  
VHS whistle  
Y yellow

## Bottom characteristics:

Blds boulders  
bk broken  
Cy clay

Co coral  
G gravel  
Gr grass

gy gray  
h hard  
M mud

Oys oysters  
Rk rock  
S sand

so soft  
Sh shells  
sy sticky

## Miscellaneous:

AUTH authorized  
ED existence doubtful  
ZL Wreck, rock, obstruction, or shoal swept clear to the depth indicated.  
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

Obstr obstruction  
PA position approximate  
Rep reported

PD position doubtful  
Subm submerged

## HEIGHTS

Heights in feet above Mean High Water.

## AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

## CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

## SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 3 for important supplemental information.

## PLANE COORDINATE GRID

(based on NAD 1927)

The Virginia State Grid (South Zone) is indicated by dashed ticks at 10,000 foot intervals.

## AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

## CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

## RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

## WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

## CAUTION

## FISH TRAP AREAS AND STRUCTURES

Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.

Regulations to assure clear passage to and through dredged and natural channels, and to established landings, are prescribed by the Corps of Engineers in the Code of Federal Regulations.

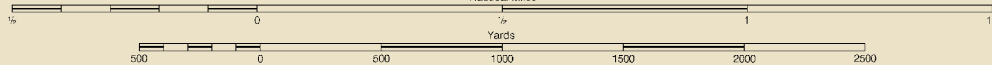
Definite limits of fish trap areas have been established in some areas, and those limits are shown thus: ————

Where definite limits have not been prescribed, the location of fishing structures is restricted only by the regulations.

SCALE 1:20,000

Nautical Miles

Yards



76° 16'

15'

2 600 000

14'

13'

940.9 X 085.1 mm

N FEET

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Hampton Roads  
SOUNDINGS IN FEET - SCALE 1:20,000

12245



## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

## Quick References

Nautical chart related products and information	—	<a href="http://www.nauticalcharts.noaa.gov">http://www.nauticalcharts.noaa.gov</a>
Interactive chart catalog	—	<a href="http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml">http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml</a>
Report a chart discrepancy	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx">http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx</a>
Chart and chart related inquiries and comments	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs">http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs</a>
Chart updates (LNM and NM corrections)	—	<a href="http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html">http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html</a>
Coast Pilot online	—	<a href="http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm">http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm</a>
Tides and Currents	—	<a href="http://tidesandcurrents.noaa.gov">http://tidesandcurrents.noaa.gov</a>
Marine Forecasts	—	<a href="http://www.nws.noaa.gov/om/marine/home.htm">http://www.nws.noaa.gov/om/marine/home.htm</a>
National Data Buoy Center	—	<a href="http://www.ndbc.noaa.gov/">http://www.ndbc.noaa.gov/</a>
NowCoast web portal for coastal conditions	—	<a href="http://www.nowcoast.noaa.gov/">http://www.nowcoast.noaa.gov/</a>
National Weather Service	—	<a href="http://www.weather.gov/">http://www.weather.gov/</a>
National Hurricane Center	—	<a href="http://www.nhc.noaa.gov/">http://www.nhc.noaa.gov/</a>
Pacific Tsunami Warning Center	—	<a href="http://ptwc.weather.gov/">http://ptwc.weather.gov/</a>
Contact Us	—	<a href="http://www.nauticalcharts.noaa.gov/staff/contact.htm">http://www.nauticalcharts.noaa.gov/staff/contact.htm</a>



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