BookletChart™

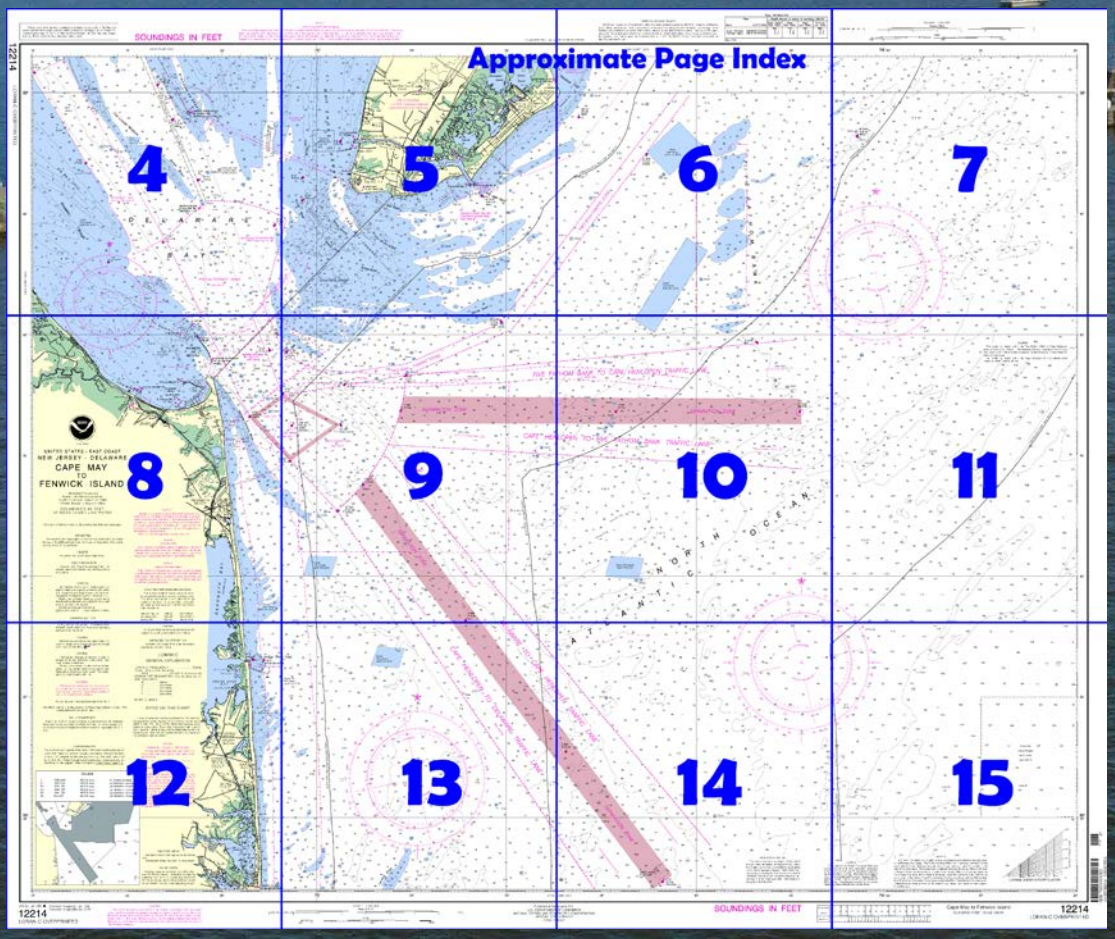
Cape May to Fenwick Island

NOAA Chart 12214

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
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=12214

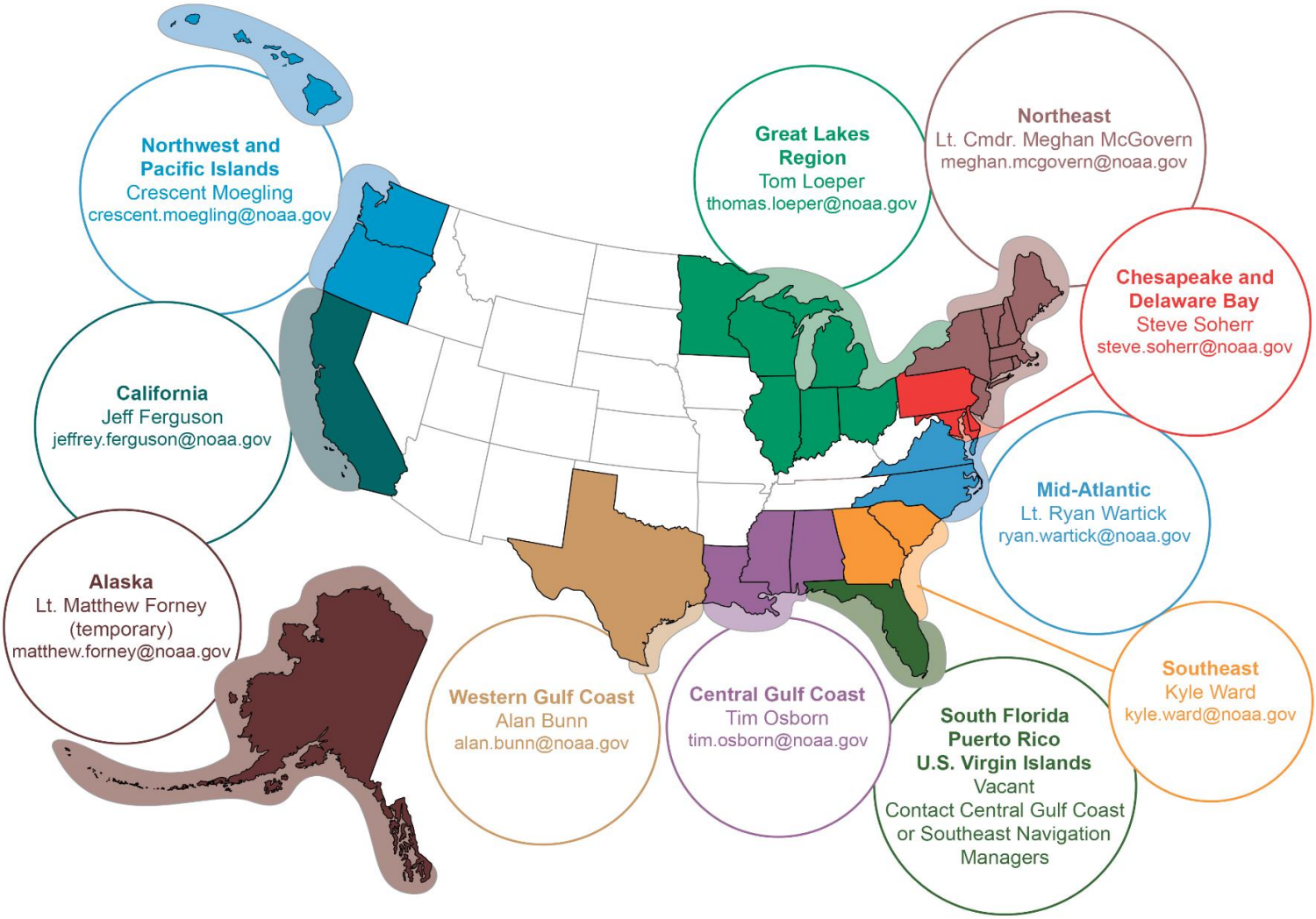
(Selected Excerpts from Coast Pilot)
Delaware Bay and Delaware River form the boundary between the State of New Jersey on the east and the States of Delaware and Pennsylvania on the west. The bay is an expansion of the lower part of Delaware River; the arbitrary dividing line, 42 miles above the Delaware Capes, extends from Liston Point, Del., to Hope Creek, N.J. Deep-draft vessels use the Atlantic entrance, which is about 10 miles wide between Cape May on the northeast and Cape Henlopen on the southwest. Vessels with drafts less than 33 feet can enter Delaware River from Chesapeake Bay through the Chesapeake and Delaware Canal 7.

Cape May is the extensive peninsula on the northeast side of the entrance to Delaware Bay. **Cape May Light** (38°55'59"N., 74°57'37"W.), 165 feet above the water, is shown from a white tower with a red cupola and two white dwellings nearby on Cape May Point.
The shoals off Cape May are mixed clay and sand and have the consistency of hardpan; the ridges run in approximately the same directions as the currents. **Cape May Channel,** 1 mile southwest of the cape, is an unmarked passage between shoals, with depths from 2 to 4 feet on either side. The channel is seldom used, and then only by fishing vessels and pleasure craft; local knowledge is required for safe passage.
The channels have strong currents, and many tide rips form near **Prissy Wicks Shoal,** which has depths as little as 2 feet about 2 miles south of Cape May Light. In Cape May Channel, the current velocity is 1.5 knots on the flood and 2.3 knots on the ebb.
Vessel Draft Inbound.–1. Vessels less than 32'-06" FW may transit on any stage of the tide or current.
2. Vessels 32'-06" FW or greater up to 35'-00" FW in draft should arrive in Philadelphia harbor no later than 9 hours and 15 minutes, or earlier than 5 hours and 45 minutes from slack flood current at Cape Henlopen.
3. Vessels 35'-01"FW or greater up to 38'-06" FW in draft should arrive in Philadelphia harbor no later than 8 hours and 15 minutes, or earlier than 5 hours and 45 minutes from slack flood current at Cape Henlopen.
4. Vessels 32'-06" FW or greater up to 38'-06" FW in draft shall avoid meeting outbound shipping traffic above the Delair Railroad Bridge.
North Atlantic Right Whales.–Endangered North Atlantic right whales may occur within 30 miles of the Delaware coast in the approaches to Delaware Bay and ports of Philadelphia (peak season: Nov. through Apr., although right whales have been sighted in the area year-round). (See **North Atlantic Right Whales,** indexed in chapter 3, for more information on right whales and recommended measures to avoid collisions.)
All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a Seasonal Management Area existing around Delaware Bay between November 1 and April 30. The area is defined as waters within a 20-nm radius of 38°52'27.4"N., 75°01'32.1"W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
Anchorages.–In 1993, the NOAA ship WHITING reported vessels waiting offshore before taking on pilots and proceeding into Delaware Bay often anchor in the area between the Eastern Directed Traffic Area and Southeastern Directed Traffic Area. The area has a mostly sand bottom and offers good holding ground in depths of 31 to over 100 feet.
Deep-draft vessels sometimes anchor in various places along the dredged channel through the lower bay, but usually continue to more sheltered areas in the upper bay and river. General, explosives, quarantine, and naval anchorages are in Delaware Bay and Delaware River. (See **110.1 and 110.157,** chapter 2, for limits and regulations.)
Mariners are warned that submarine cables are in the north corner of the anchorage on the northeast side of New Castle Range. Furthermore, submerged pipelines are in the southwest part of the anchorage on the southeast side of Marcus Hook Range and in the middle of the anchorage southeast of Mifflin Range.
In December 1983, shoaling to 34 feet was reported in the northeast corner of the anchorage off Mispillion River in about 39°01'12"N., 75°13'42"W.
In bad weather, tows and small craft sometime anchor behind the breakwaters north and west of Cape Henlopen.

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

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

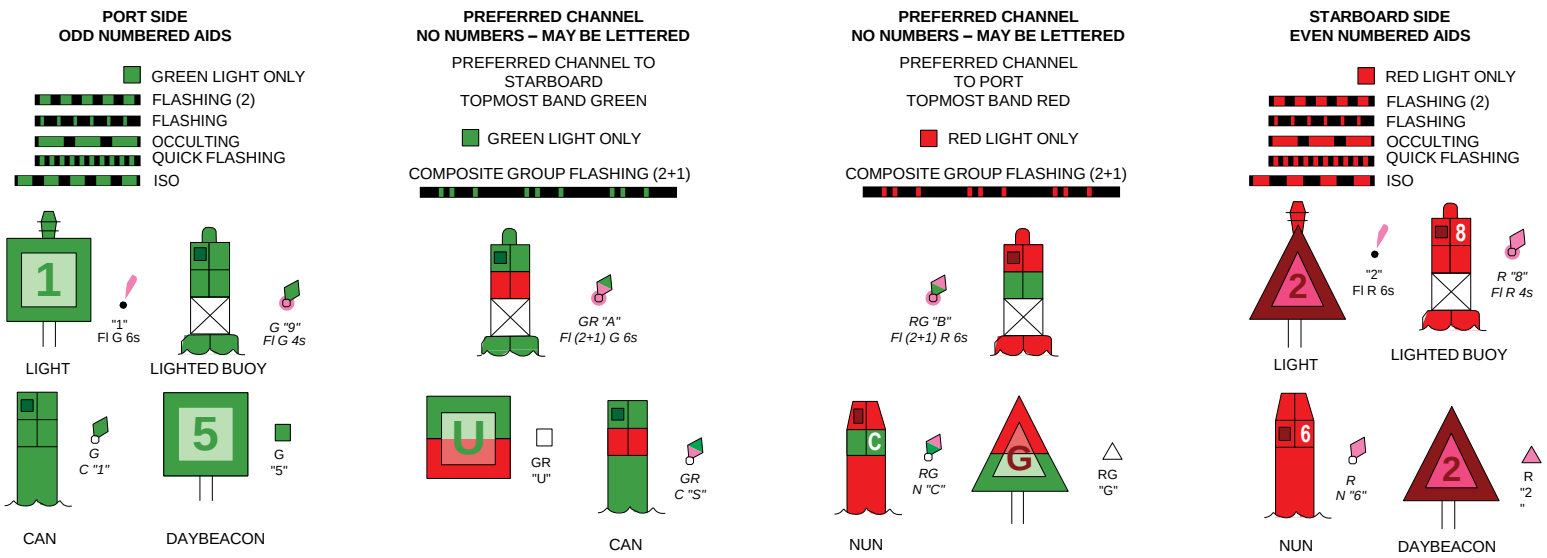
Navigation Managers Area of Responsibility



To make suggestions or ask questions online, go to *nauticalcharts.noaa.gov/inquiry*.
To report a chart discrepancy, please use *ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx*.

Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers

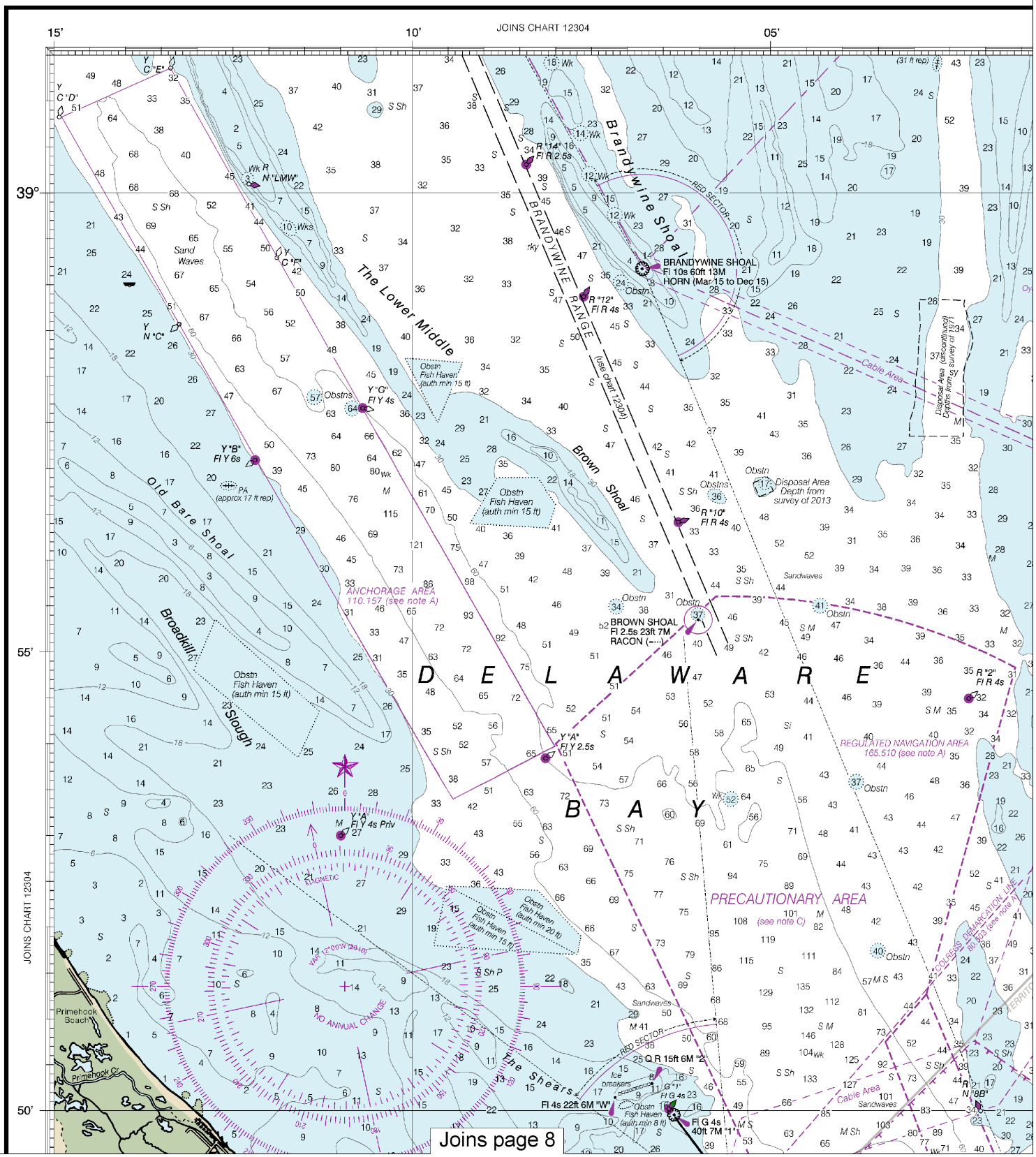


For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area.
These volumes are available online at *http://www.navcen.uscg.gov*

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

SOUNDINGS IN FEET

One-way traffic lanes overprinted on this ch
been designed to aid in the prevention of coll
the applicable Rules of the Road. Separa
Separation zones should not be used except



Printed at reduced scale. ~~SCALE 1:80,000~~

Nautical Miles: 1 0 1 2 3 4 5 6 7

Yards: 1000 0 2000 4000 6000 8000 10000

See Note on page 5.

4

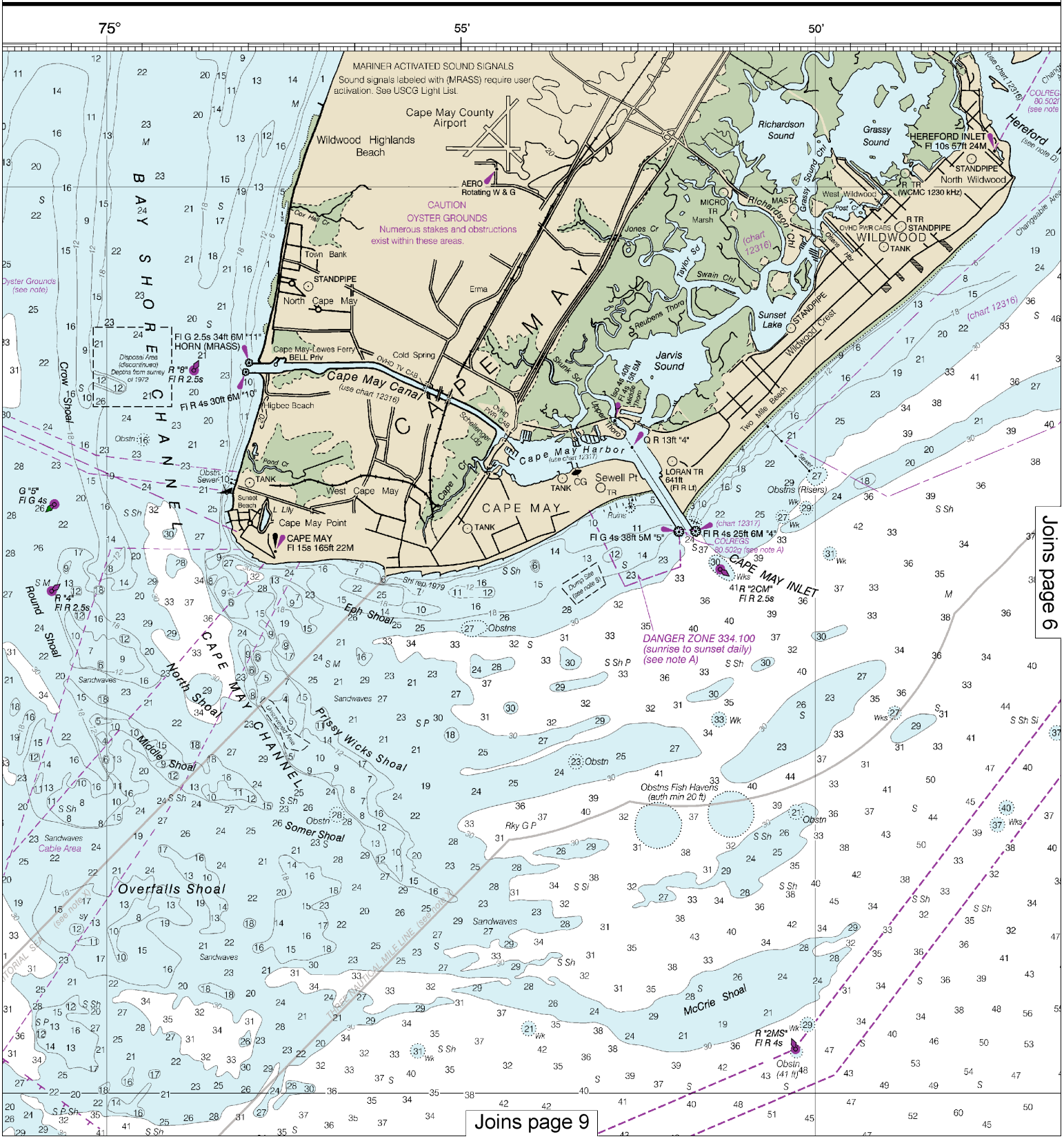
Note: Chart grid lines are aligned with true north.

NOTE D

TRAFFIC SEPARATION SCHEME

chart are RECOMMENDED for use by all vessels traveling between the points involved. They have
illisions at the approaches to Delaware Bay, but are not intended in any way to supersede or alter
ration zones are intended to separate inbound and outbound traffic and to be free of ship traffic.
t for crossing purposes. When crossing traffic lanes and separation zones use extreme caution.

Formerly C&GS 1219, 1st Ed., Aug. 1912 G-1948-71



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:106666. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

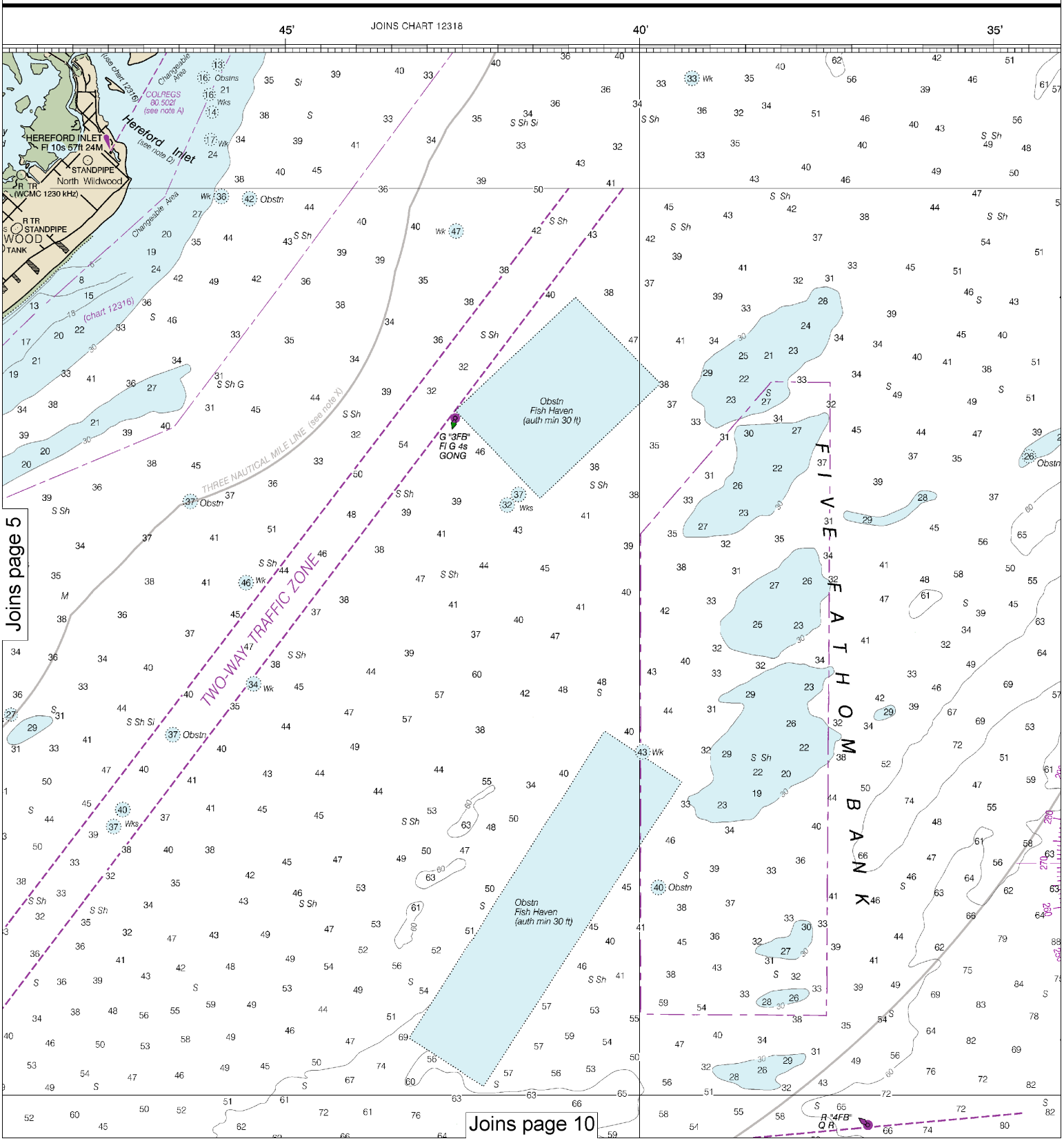
TIDAL INFORMATION

PLACE		Height referre
NAME	(LAT/LONG)	Mean Higher High Water
		feet
Cape May Point	(38°57'N/74°58'W)	5.4

Dashes (- - -) located in datum columns indicate unavailable datum values for a tid
tide predictions, and tidal current predictions are available on the Internet from http

(Sep 2010)

Formerly C&GS 1219, 1st Ed., Aug. 1912 G-1948-719 KAPP 554



6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:80,000~~

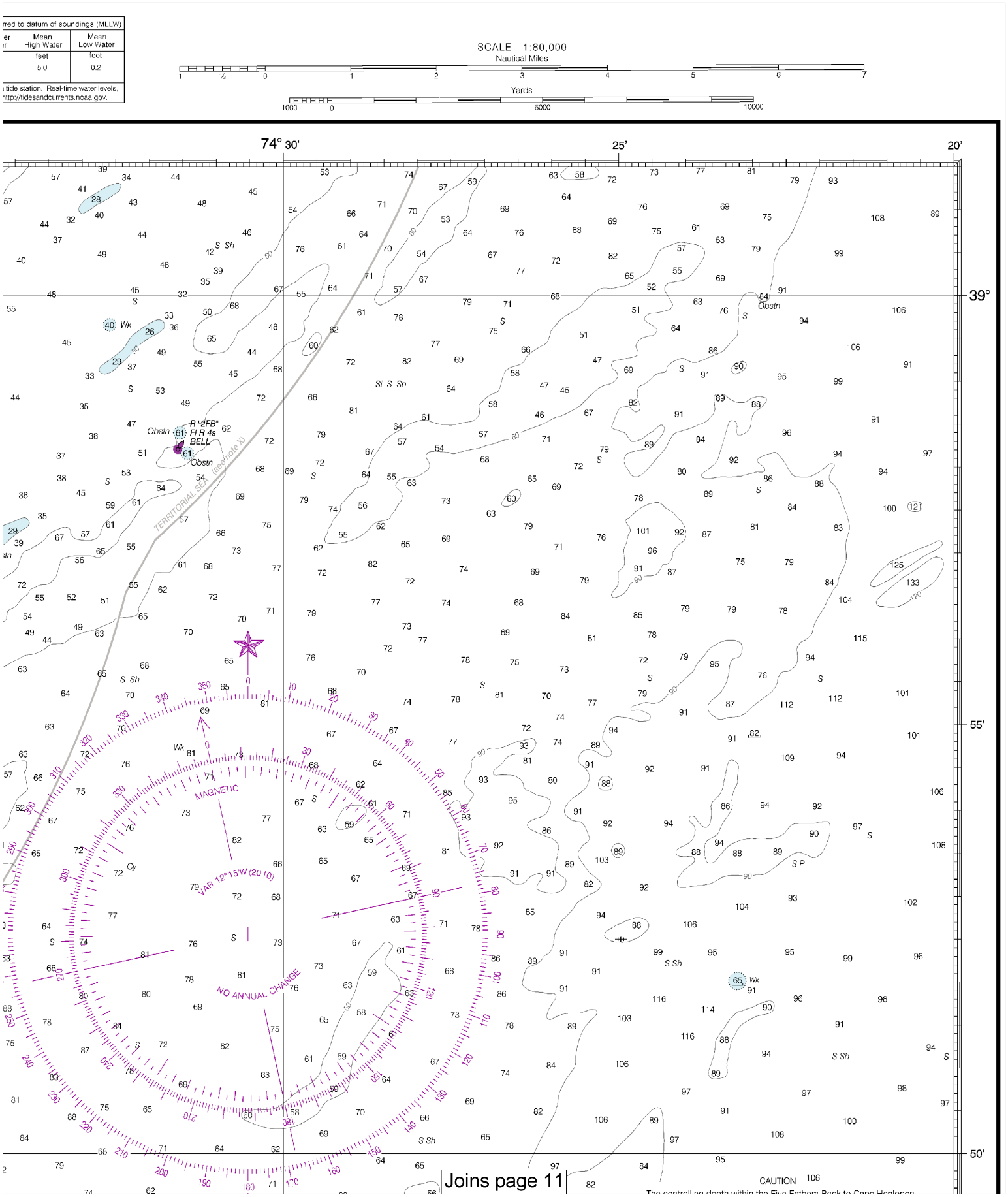
Nautical Miles

1 0 1 2 3 4 5 6 7

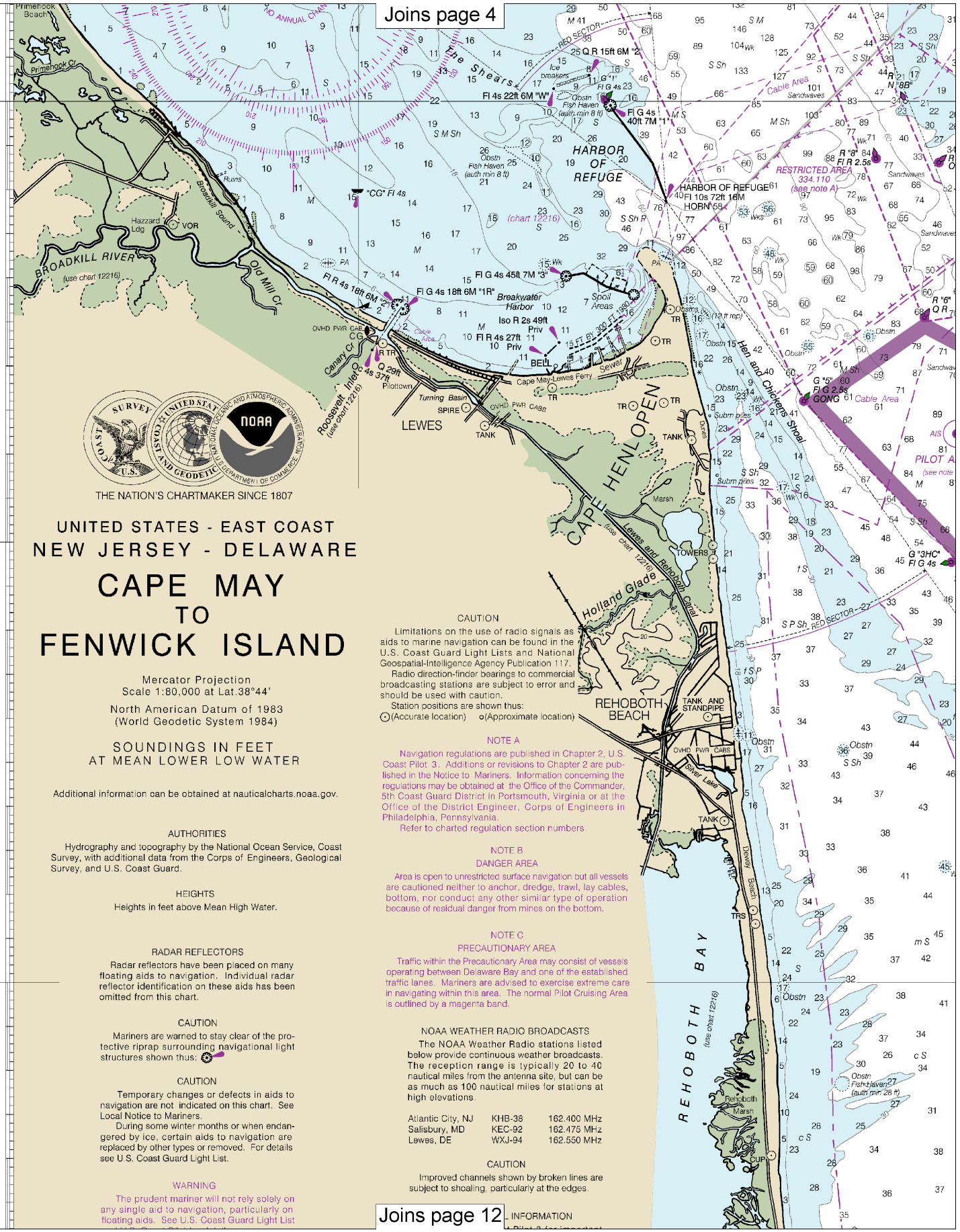
Yards

1000 0 2000 4000 6000 8000 10000

See Note on page 5.



49th Ed., Nov. 2010. Last Correction: 1/10/2017. Cleared through:
LNM: 0317 (1/17/2017), NM: 0417 (1/28/2017)



THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

NEW JERSEY - DELAWARE

CAPE MAY TO FENWICK ISLAND

Mercator Projection
Scale 1:80,000 at Lat.38°44'
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.

AUTHORITIES

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

HEIGHTS

Heights in feet above Mean High Water.

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.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

CAUTION

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

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

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

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) o(Approximate location)

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 Philadelphia, Pennsylvania.

Refer to charted regulation section numbers.

NOTE B

DANGER AREA

Area is open to unrestricted surface navigation but all vessels are cautioned neither to anchor, dredge, trawl, lay cables, bottom, nor conduct any other similar type of operation because of residual danger from mines on the bottom.

NOTE C

PRECAUTIONARY AREA

Traffic within the Precautionary Area may consist of vessels operating between Delaware Bay and one of the established traffic lanes. Mariners are advised to exercise extreme care in navigating within this area. The normal Pilot Cruising Area is outlined by a magenta band.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide 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.

Atlantic City, NJ	KHB-38	162.400 MHz
Salisbury, MD	KEC-92	162.475 MHz
Lewes, DE	WXJ-94	162.550 MHz

CAUTION

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

Joins page 12

L INFORMATION

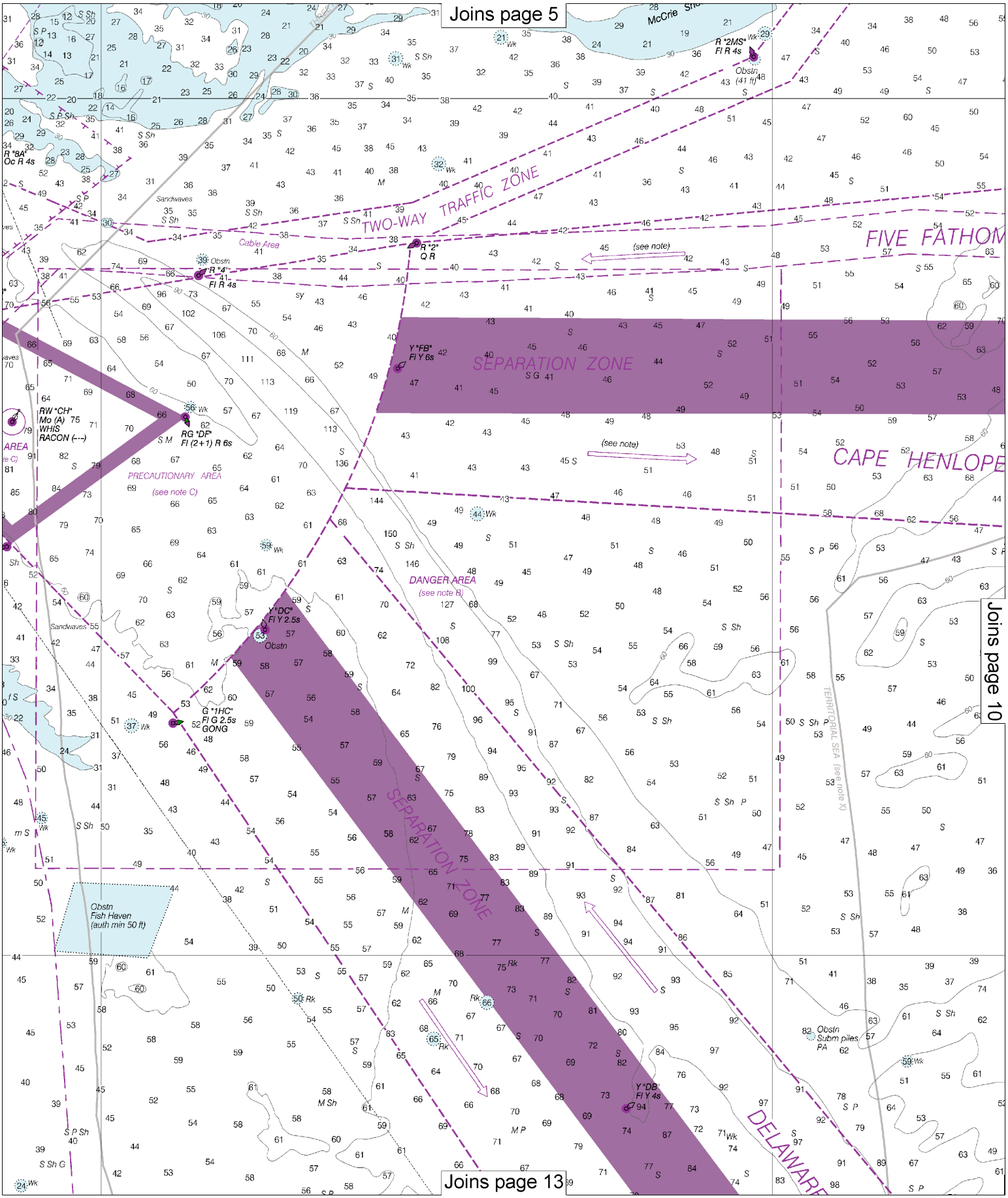
Note: Chart grid lines are aligned with true north.

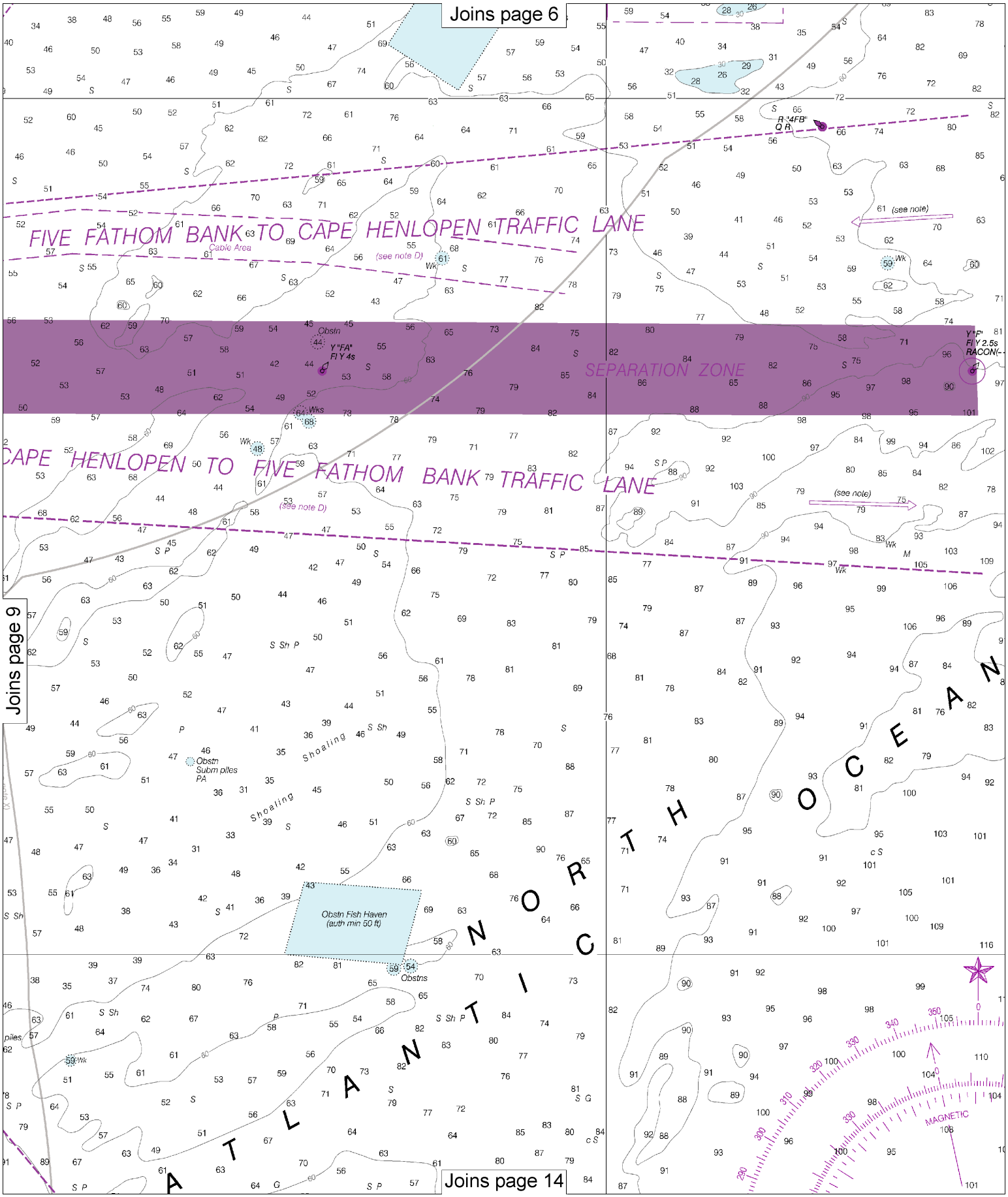
Printed at reduced scale. ~~SCALE 1:80,000~~

See Note on page 5.

Nautical Miles
1 0 1 2 3 4 5 6 7

Yards
1000 0 2000 4000 6000 8000 10000


Joins page 5
TWO-WAY TRAFFIC ZONE
FIVE FATHOM
SEPARATION ZONE
CAPE HENLOPE
PRECAUTIONARY AREA
(see note C)
DANGER AREA
(see note B)
SEPARATION ZONE
DELAWARE
TERRITORIAL SEA (see note X)
Cable Area
Sandwaves
(see note)
(see note)
R "2" Q R
Y "FB" Fl Y 6s
RW "CH" Mo (A) 75 WHIS RACON (-··-)
RG "DF" Fl (2+1) R 6s
R "4" Fl R 4s
Y "DC" Fl Y 2.5s
Obstn
G "1HC" Fl G 2.5s GONG
Obstn Fish Haven (auth min 50 ft)
R "2MS" Fl R 4s
Obstn (41 ft)
R "8A" Oc R 4s
Obstn Subm piles PA
Y "DB" Fl Y 4s
Joins page 10
Joins page 13



Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:80,000~~

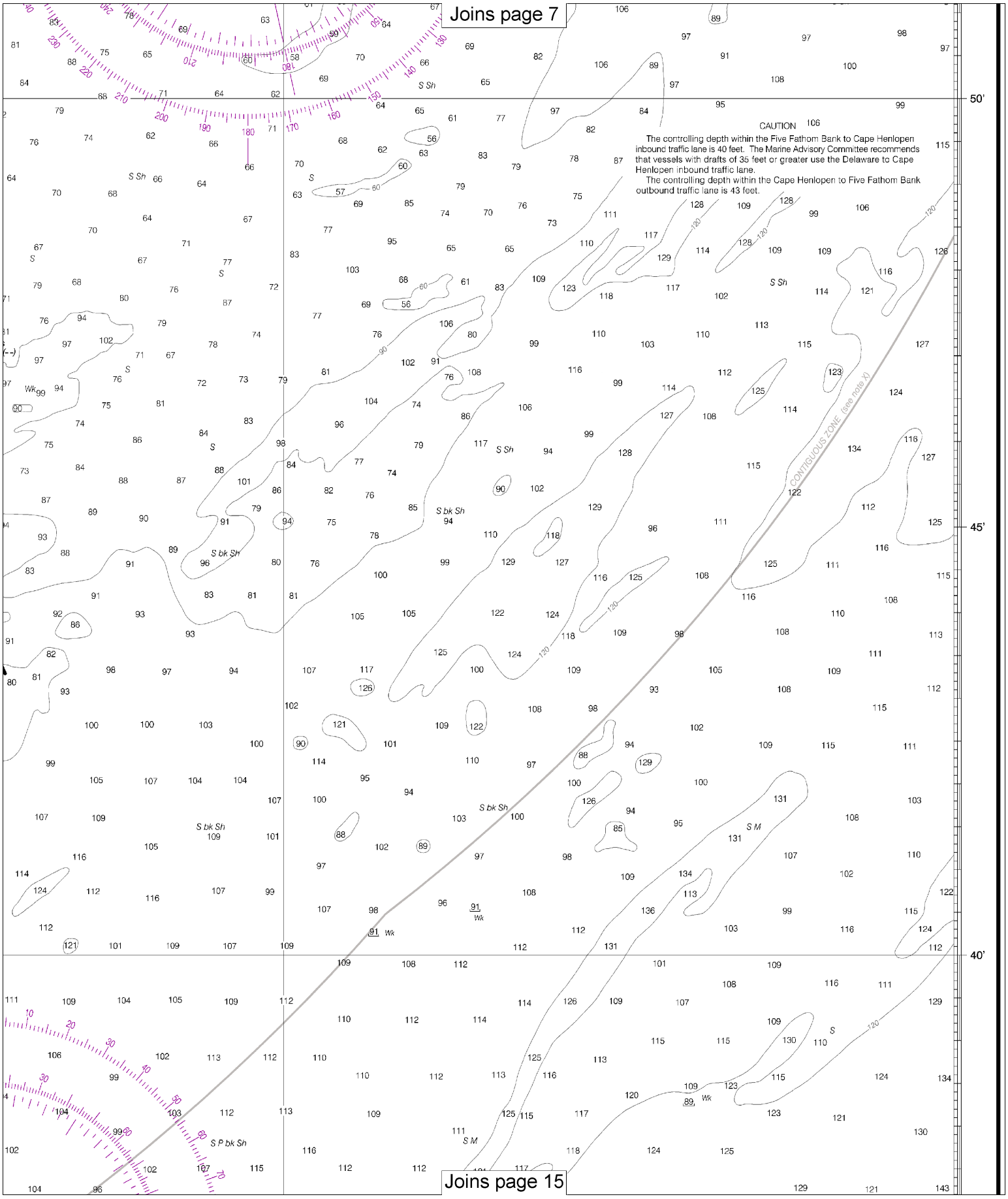
See Note on page 5.

Nautical Miles

1 0 1 2 3 4 5 6 7

Yards

1000 0 2000 4000 6000 8000 10000


Joins page 7
CAUTION
The controlling depth within the Five Fathom Bank to Cape Henlopen inbound traffic lane is 40 feet. The Marine Advisory Committee recommends that vessels with drafts of 35 feet or greater use the Delaware to Cape Henlopen inbound traffic lane.
The controlling depth within the Cape Henlopen to Five Fathom Bank outbound traffic lane is 43 feet.
CONTIGUOUS ZONE (see note X)
50'
45'
40'
Joins page 15

Joins page 8

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

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

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.

For Symbols and Abbreviations see Chart No. 1

COLREGS: International Regulations for Preventing Collisions at Sea, 1972. Demarcation lines are shown thus: ———

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).

NOTE D

Entrance to Inlets

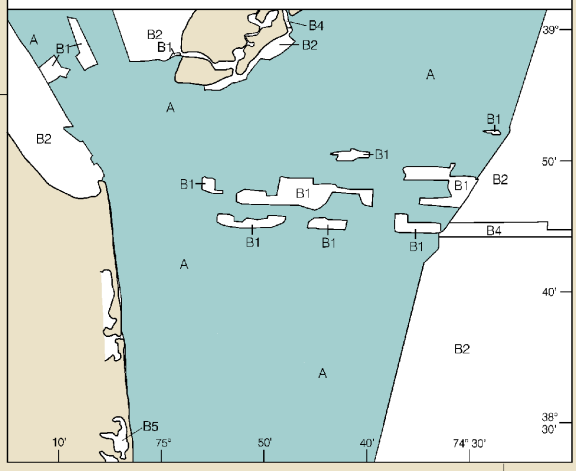
The entrance channel at the inlets not protected by jetties are subject to frequent changes. The buoys are not charted because they are frequently shifted in position. Buoys are removed if shoaling makes inlets unnavigable.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

A	1990-2014	NOS Surveys	full bottom coverage
B1	1990-2013	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage



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Salisbury, MD	KEC-92	162.475 MHz
Lewes, DE	WXJ-94	162.550 MHz

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.

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 0.404" northward and 1.359" eastward to agree with this chart.

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas 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.

FISH TRAP AREAS

Boundary lines of fish trap areas are shown thus: ——— — ——— —

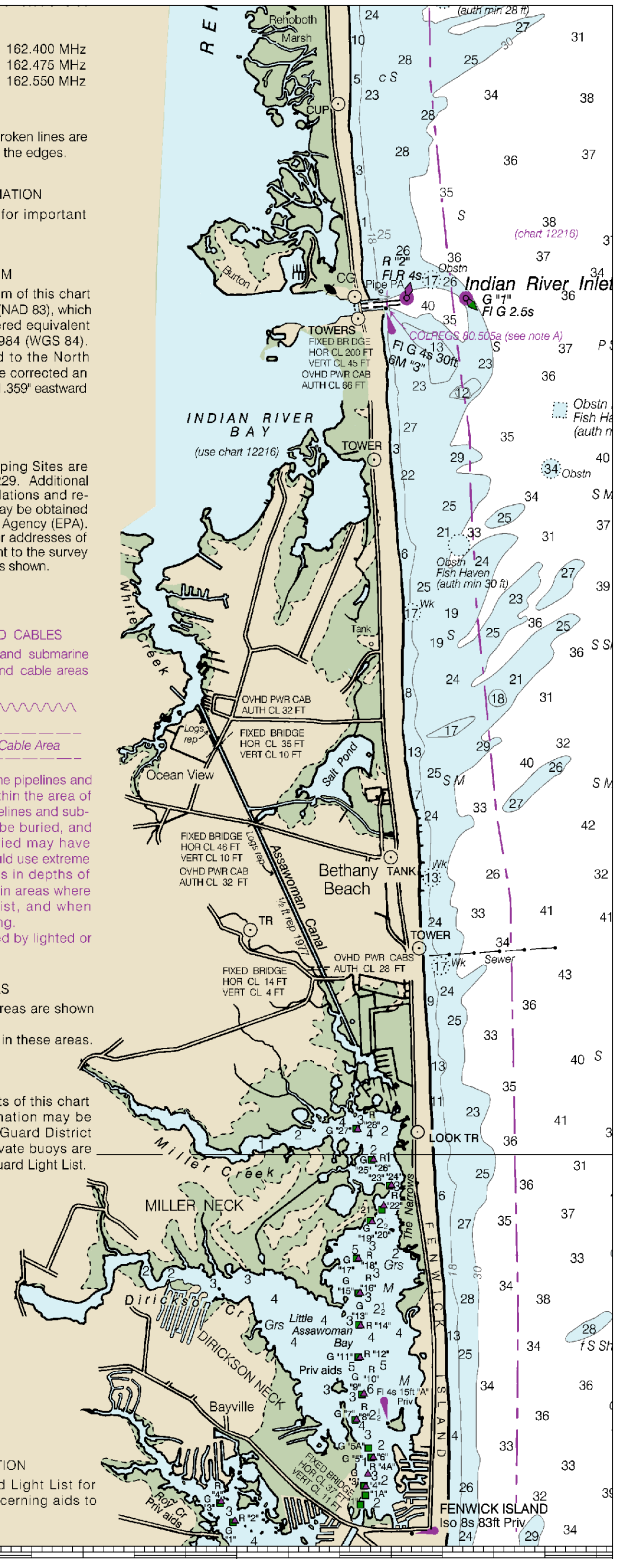
Submerged piling may exist in these areas.

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.

AIDS TO NAVIGATION

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



12214

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

49th Ed., Nov. 2010. Last Correction: 1/10/2017. Cleared through:
LNM: 0317 (1/17/2017), NM: 0417 (1/28/2017)

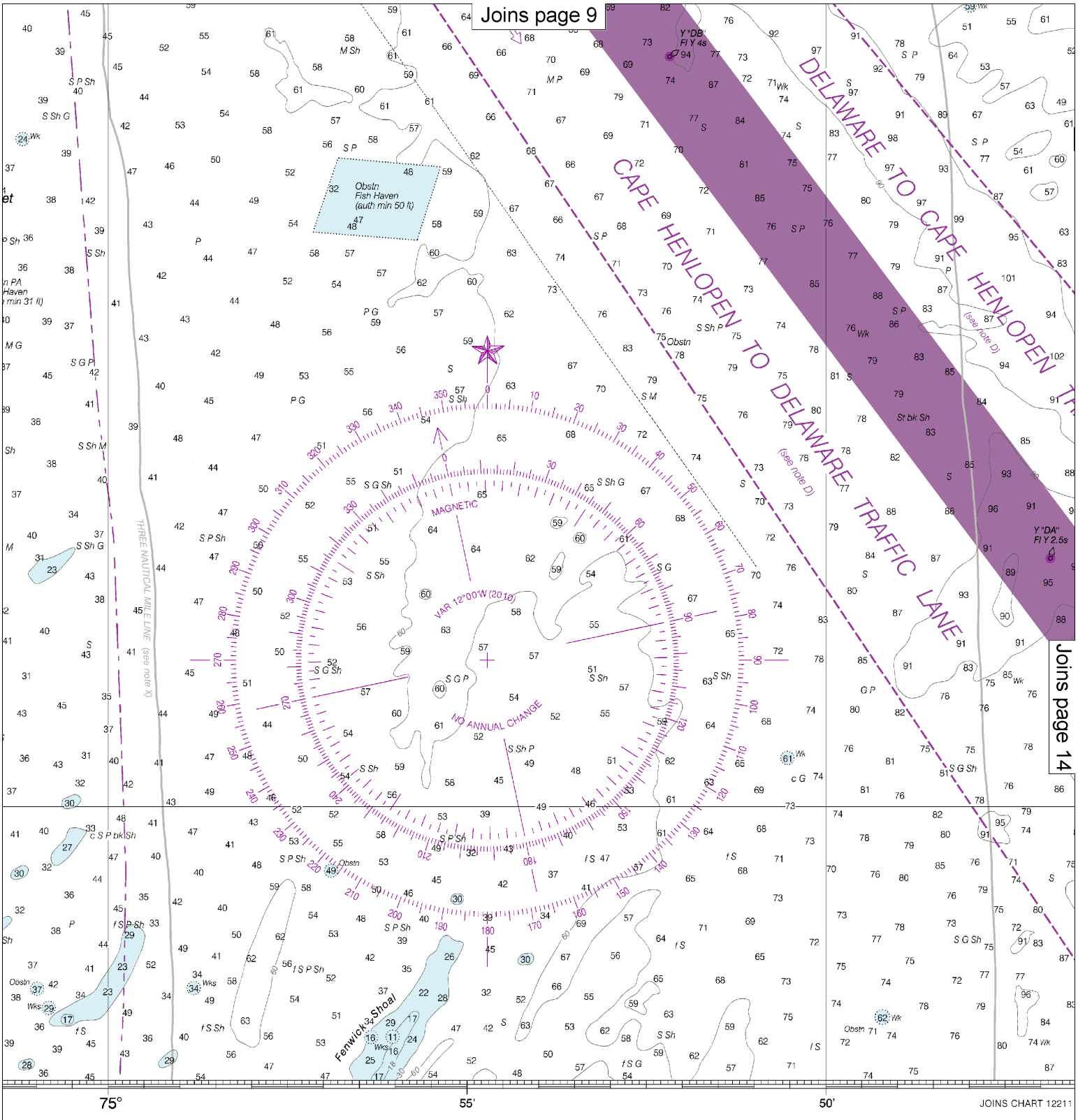
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:80,000~~

See Note on page 5.

Nautical Miles: 1 0 1 2 3 4 5 6 7

Yards: 1000 0 2000 4000 6000 8000 10000



SCALE 1:80,000

Nautical Miles

0 1 2 3 4 5 6 7

Yards

1000 0 5000 10000

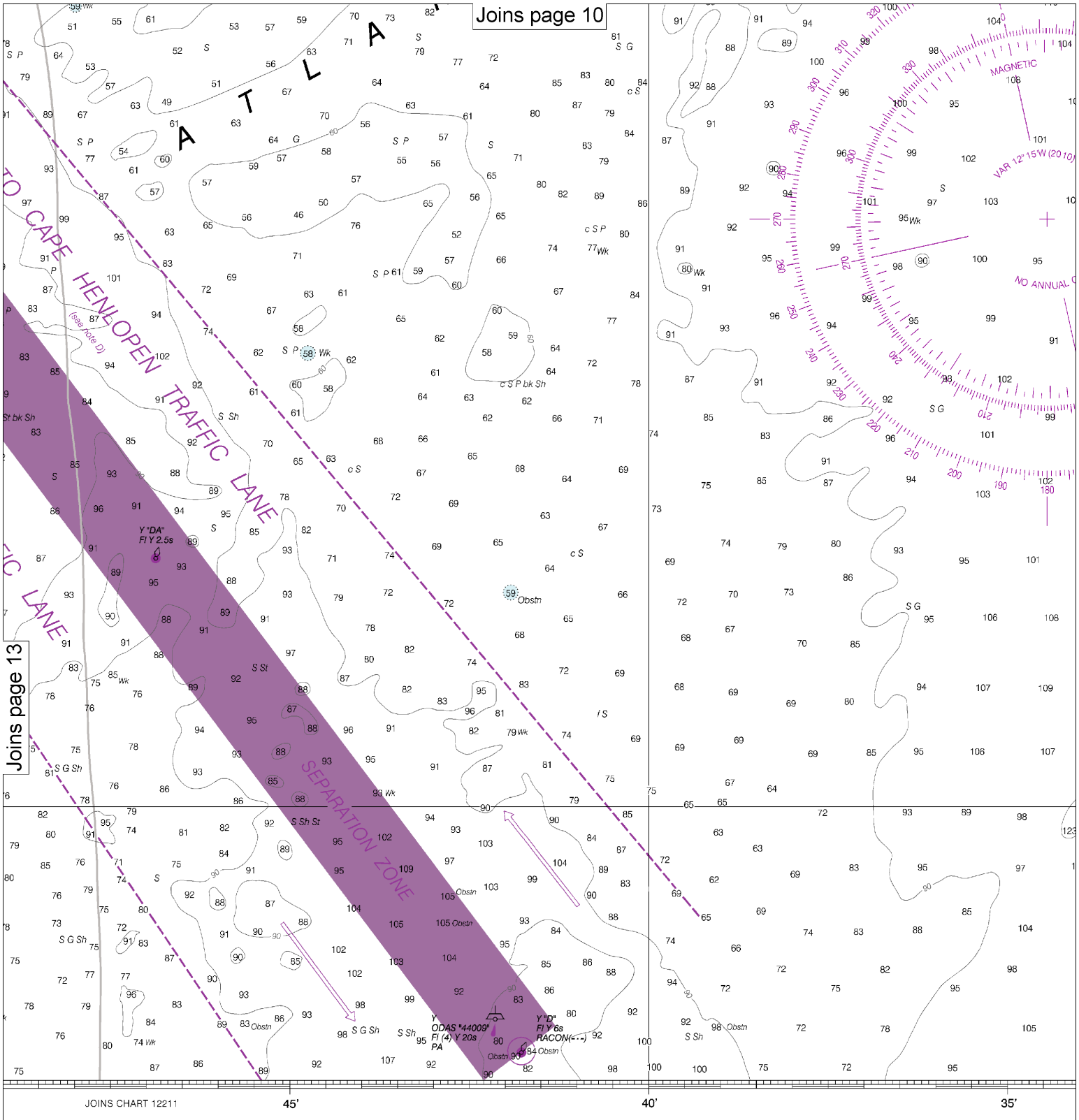
Published at Washington, D.C

U.S. DEPARTMENT OF COMM

NATIONAL OCEANIC AND ATMOSPHERIC A

NATIONAL OCEAN SERVICE

COAST SURVEY



Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

SOUNDINGS IN FEET

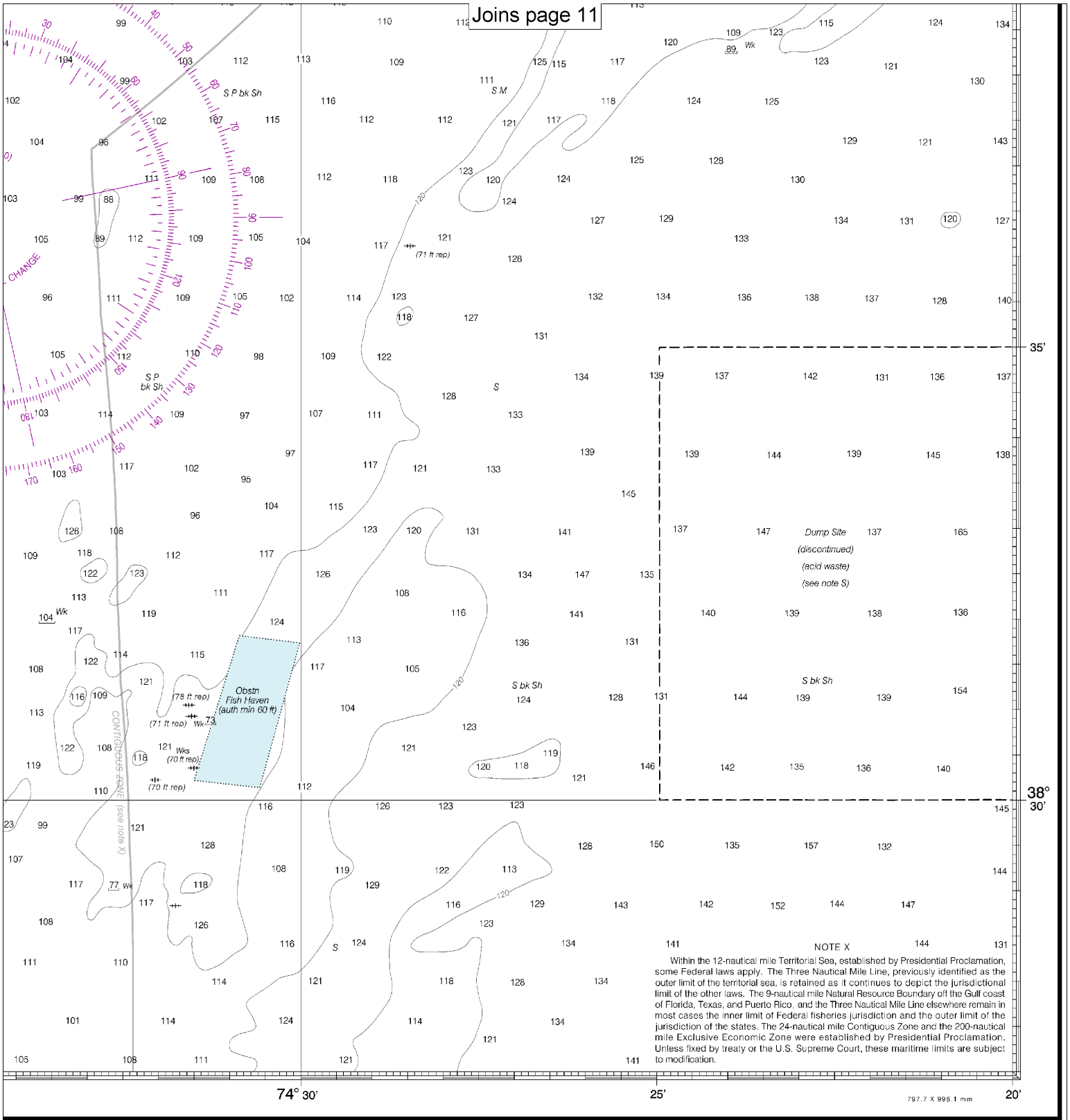
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:80,000~~

Nautical Miles
1 0 1 2 3 4 5 6 7

Yards
1000 0 2000 4000 6000 8000 10000

See Note on page 5.



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 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Cape May to Fenwick Island

SOUNDINGS IN FEET - SCALE 1:80,000

12214

EMERGENCY INFORMATION

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!

All Hazards NOAA Weather Radio NOAA's National Weather Service

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

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