

BookletChart™

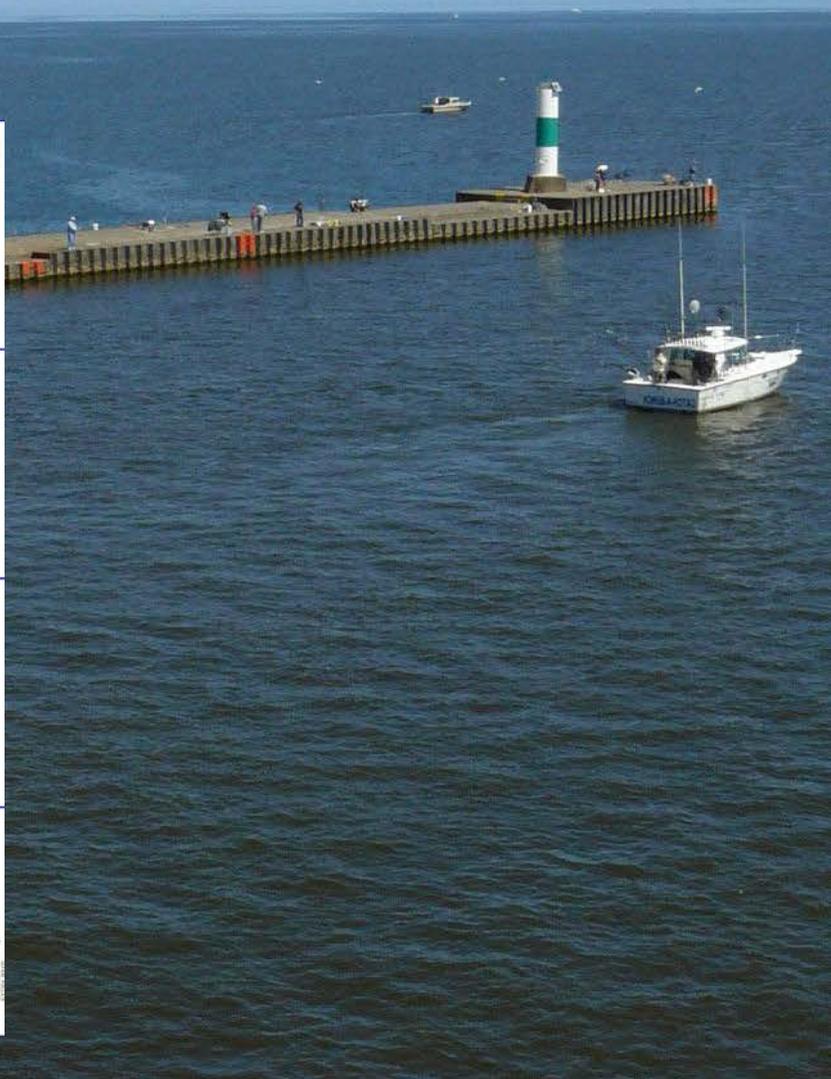
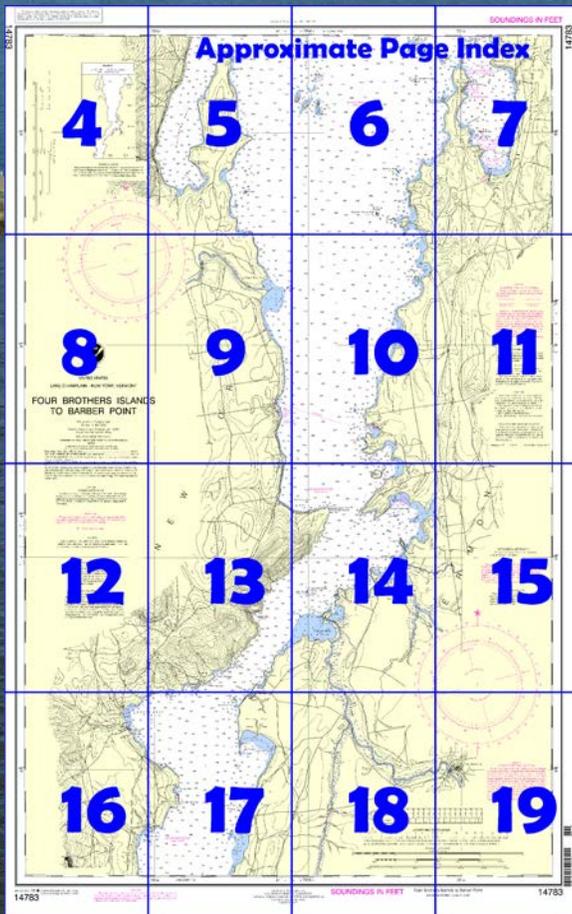
Four Brothers Islands to Barber Point NOAA Chart 14783



*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.

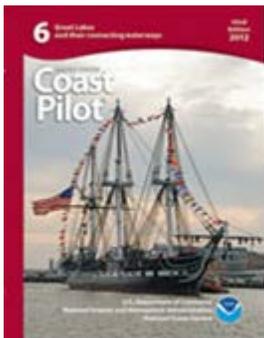
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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=14783>



(Selected Excerpts from Coast Pilot)

An unmarked dumping ground with a least reported depth of 35 feet is 3 miles N of the entrance to Huron Harbor.

Dangers.—An extensive area of fish net stakes is off the entrance to Huron Harbor. Harbor Regulations.—A speed limit of 6 mph (5.2 knots) is enforced in the harbor except in the outer harbor where the speed limit is 10 mph (8.7 knots). (See 33 CFR 162.155 and 207.570, chapter 2, for regulations.)

Lake Champlain extends from the lower end of Champlain Canal at Whitehall, NY, north for about 112 miles to the International boundary

at Rouses Point, NY. The north end of the lake outlets north through Riviere Richelieu and Canal de Chambly to the St. Lawrence River. The principal ports on the lake are Port Henry, NY, at the south end, Burlington, VT, and Plattsburgh, NY, near midlake, and Rouses Point, NY, at the north end. The lake is used extensively by pleasure craft, and marinas are found on both sides throughout its length.

A **special anchorage** is on the west side of the lake in **Deep Bay**. (See 33 CFR 110.1 and 110.8(i), chapter 2, for limits and regulations.)

Channels.—The south 37 miles of Lake Champlain, from Whitehall north to **Crown Point** (44°01.8'N., 73°25.8'W.), is a narrow arm. The south 13 miles of this arm, from Whitehall north to **Benson Landing**, is filled with a marshy flat traversed by a narrow channel of open water. A Federal project provides for a 12-foot channel through this reach. In September 2008, the controlling depths in the channel were 2 feet (7½ feet at midchannel) to Benson Landing. Above Benson Landing, natural deep water is available to Crown Point. The entire narrows, from Whitehall to Crown Point is well marked by lights and buoys.

North from Crown Point for about 75 miles to Rouses Point, Lake Champlain is deep and wide. Prominent points and shoals throughout the lake are marked by lights and buoys.

Following is a description of the principal ports and tributaries of Lake Champlain.

Between **Barber Point** (44°09.2'N., 73°24.3'W.) and **The Four Brothers** 20 miles north, marinas are on the west side of the lake at **Westport, NY**, and **Essex, NY**, and on the east side of the lake on the south side of **Thompsons Point** and in **McNeil Cove**. Marine railways to 50 tons, lifts to 35 tons, and the usual services are available.

Special anchorages are on the east side of Thompsons Point and at Essex, NY. (See 33 CFR 110.1 and 110.8 (b) and (g), chapter 2, for limits and regulations.)

Otter Creek flows into the east side of the lake about 6.5 miles northeast of Barber Point. A depth of about 6 feet can be carried by small craft for 8 miles to **Vergennes, VT**.

Boquet (Bouquet) River, 3 miles north of Essex, is navigable by small motorboats for about 1 mile during high water stages.

Willsboro Bay, on the west side of the lake west of The Four Brothers, is enclosed on the east by **Willsboro Point**. Marinas on the east side of the bay provide transient berths, gasoline, diesel fuel, electricity, ice, sewage pump-out, mast-stepping service, launching ramps, and hull and engine repairs.

Shelburne Bay, east of The Four Brothers, is enclosed on the west by **Shelburne Point**. Two special anchorages are on the west side of the bay. (See 33 CFR 110.1 and 110.8(c) and (c-1), chapter 2, for limits and regulations.) A boatyard on the west side of the bay provides transient berths, gasoline, diesel fuel, water, ice, electricity, and sewage pump-out. A 220-foot marine railway and a 30-ton lift are available for hull and engine repairs.

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

RCC Cleveland

Commander

9th CG District

(216) 902-6117

Cleveland, OH

Navigation Managers Area of Responsibility



NOAA's navigation managers serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit nauticalcharts.noaa.gov/service/navmanagers

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.

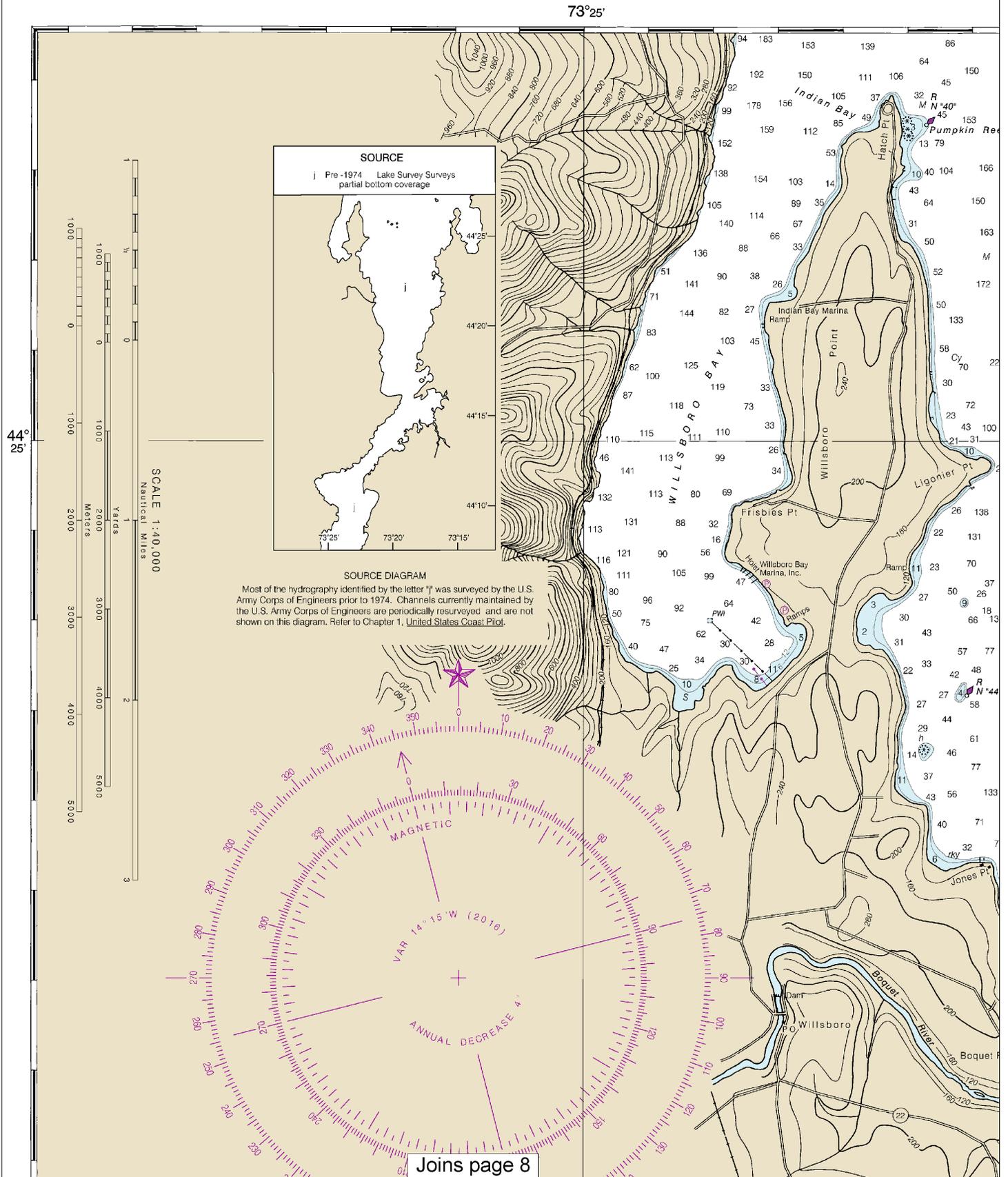
Lateral System As Seen Entering From Seaward

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>

14783



Joins page 8

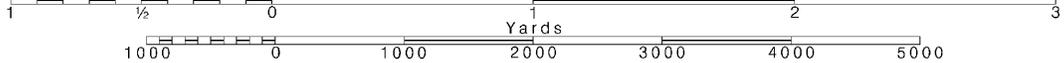
4

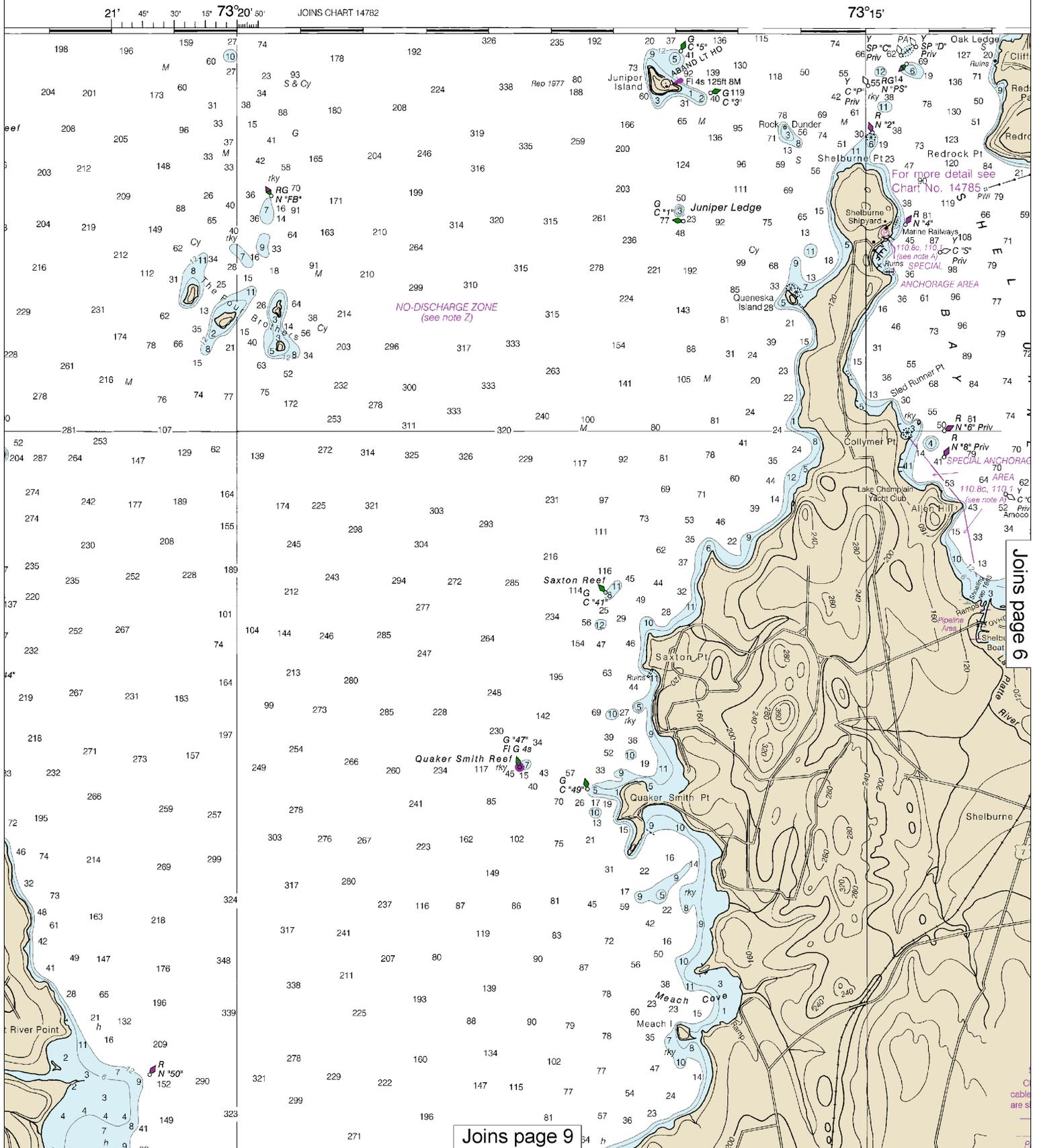
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





Joins page 9

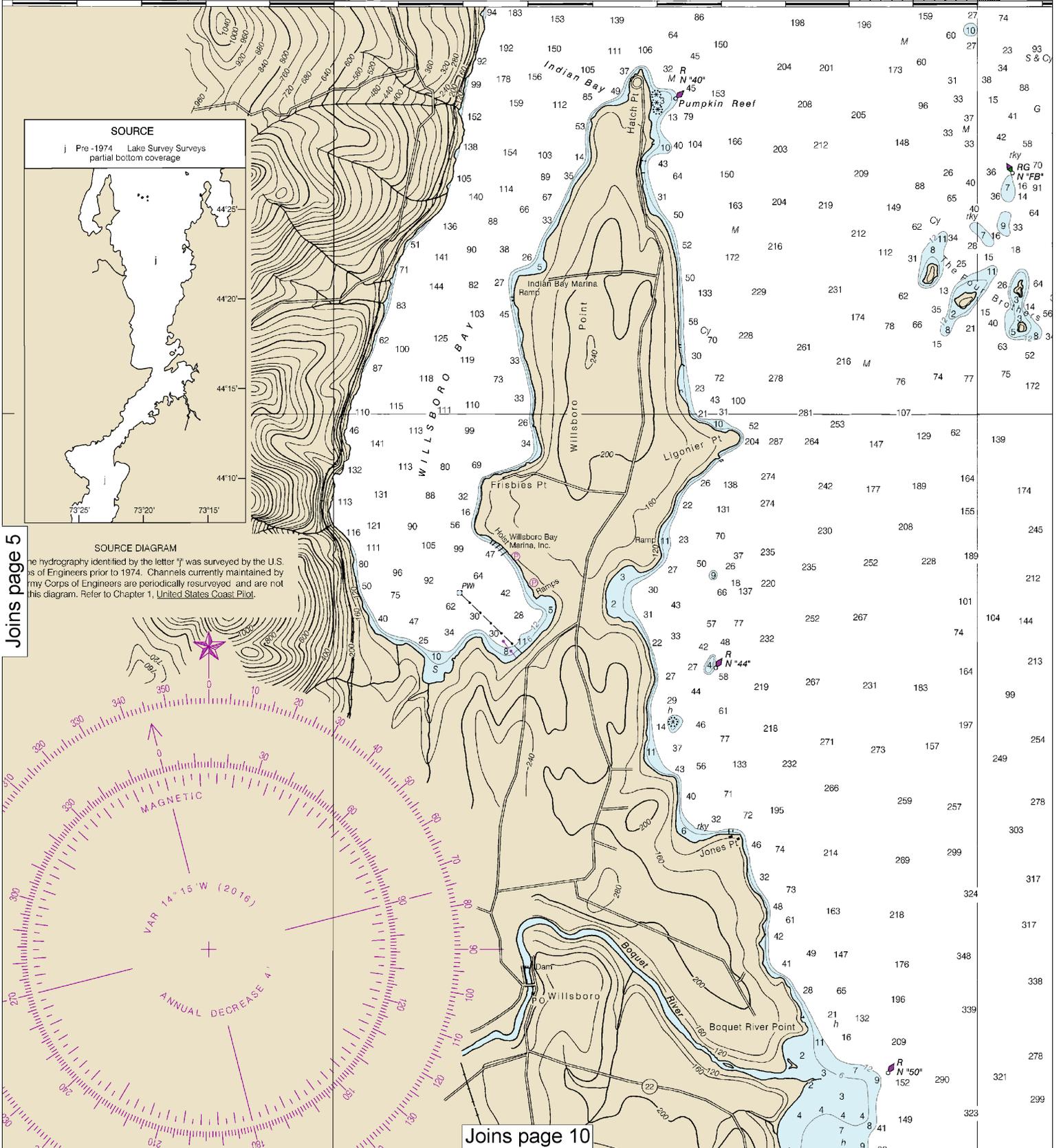
Joins page 6

This BookletChart was reduced to 75% of the original chart scale.
 The new scale is 1:53333. Barscales have also been reduced and
 are accurate when used to measure distances in this BookletChart.

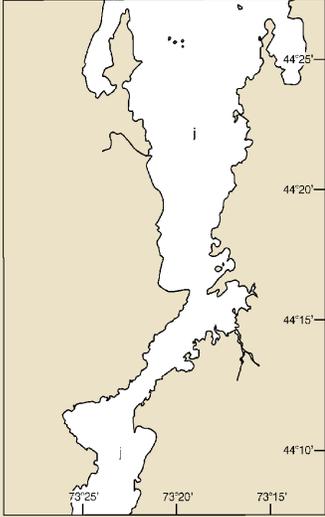


73°25'

21' 45' 30' 15' 73°20' 50' JO



SOURCE
 j Pre-1974 Lake Survey Surveys
 partial bottom coverage



SOURCE DIAGRAM
 The hydrography identified by the letter "j" was surveyed by the U.S. Corps of Engineers prior to 1974. Channels currently maintained by Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

Joins page 5

Joins page 10

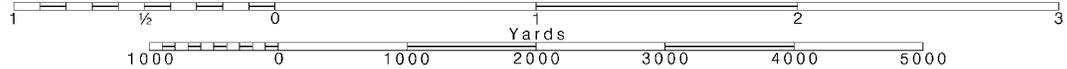


Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.

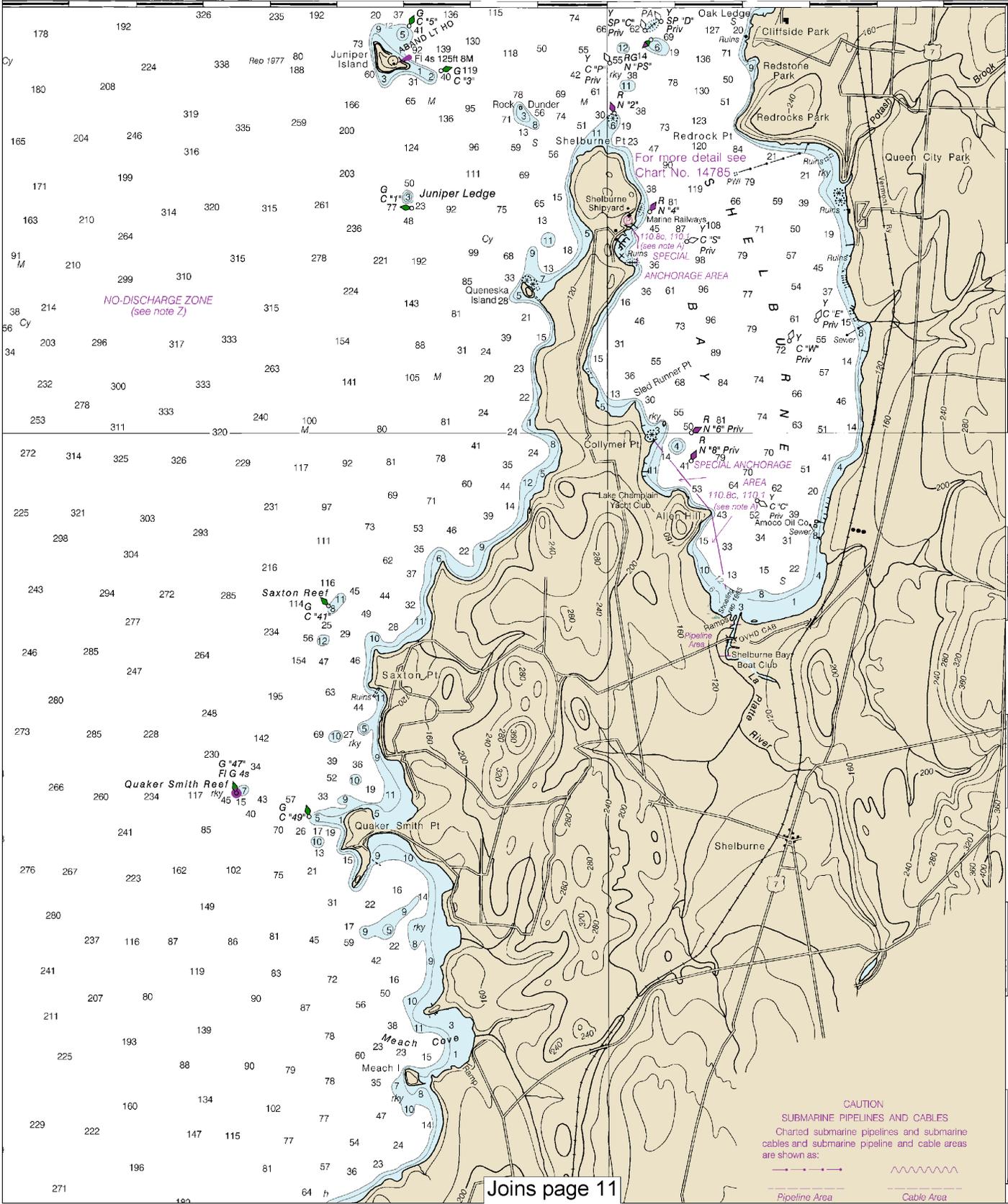


SOUNDINGS IN FEET

14783

COAST AND GEODETIC SURVEY CHART 14782

73°15'



For more detail see Chart No. 14785

NO-DISCHARGE ZONE (see note Z)

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



Joins page 11

44° 25'

44° 21'

Joins page 4



44° 20'



UNITED STATES
LAKE CHAMPLAIN - NEW YORK, VERMONT

FOUR BROTHERS ISLANDS TO BARBER POINT

Polyconic Projection
Scale 1:40,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTES

COMPARATIVE ELEVATIONS ON LAKE CHAMPLAIN
(referred to National Geodetic Vertical Datum of 1929)

Mean stage 1900-1989, both inclusive.....95.8 ft.
PLANE OF REFERENCE OF THIS CHART (Low Lake Level).....93.0 ft.
AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1
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.
BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Lake Level, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

CAUTION

POTABLE WATER INTAKE

Vessels operating in fresh water lakes or rivers shall not discharge sewage, or ballast, or bilge water within such areas adjacent to domestic water intakes as are designated by the Commissioner of Food and Drugs (21 CFR 1250.93). Consult U.S. Coast Pilot 6 for important supplemental information.

WARNING

The prudent mariner will not rely solely on any si

Joins page 12

44° 16'

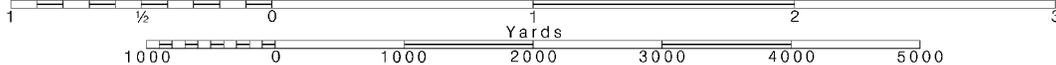


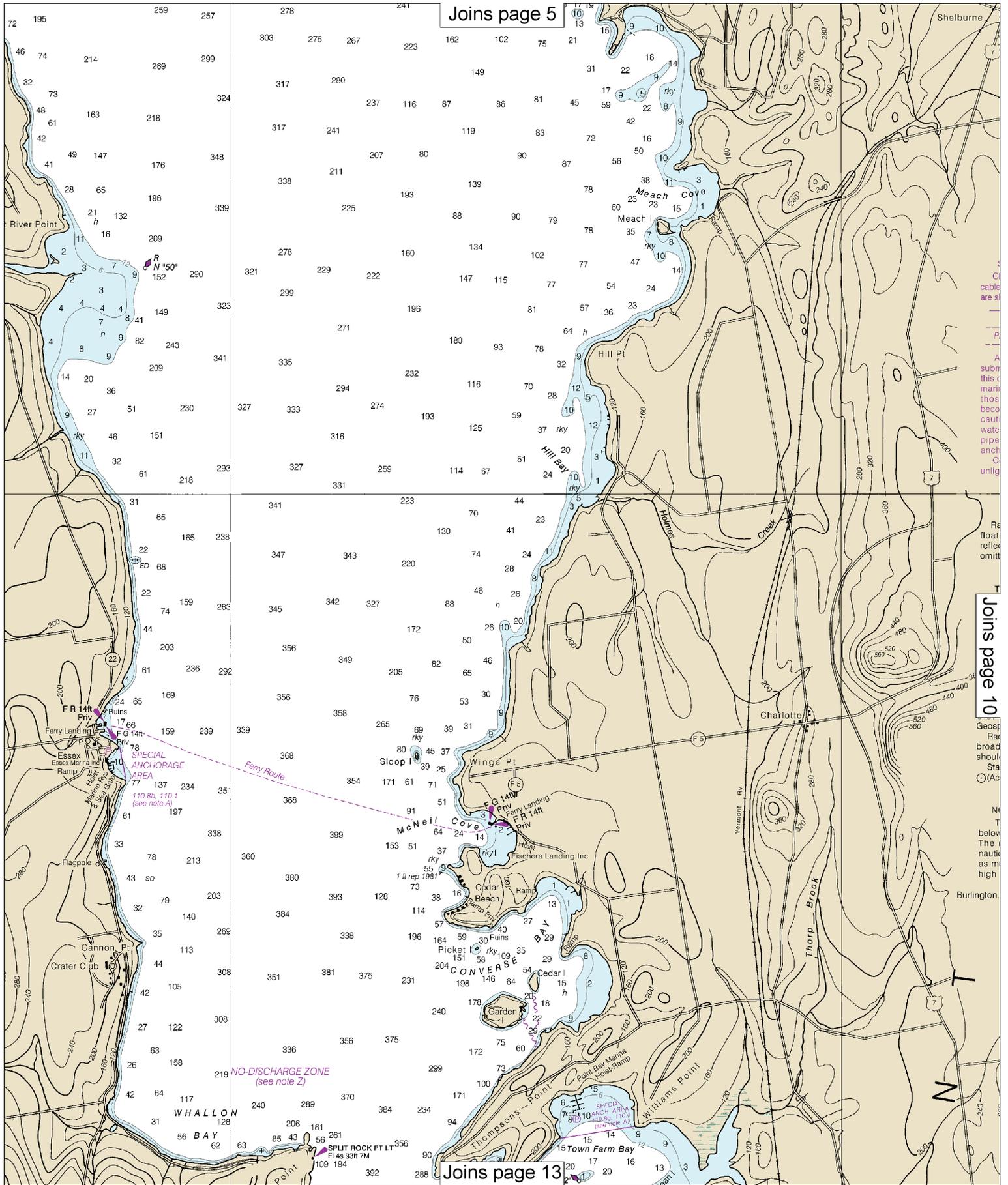
Note: Chart grid lines are aligned with true north.

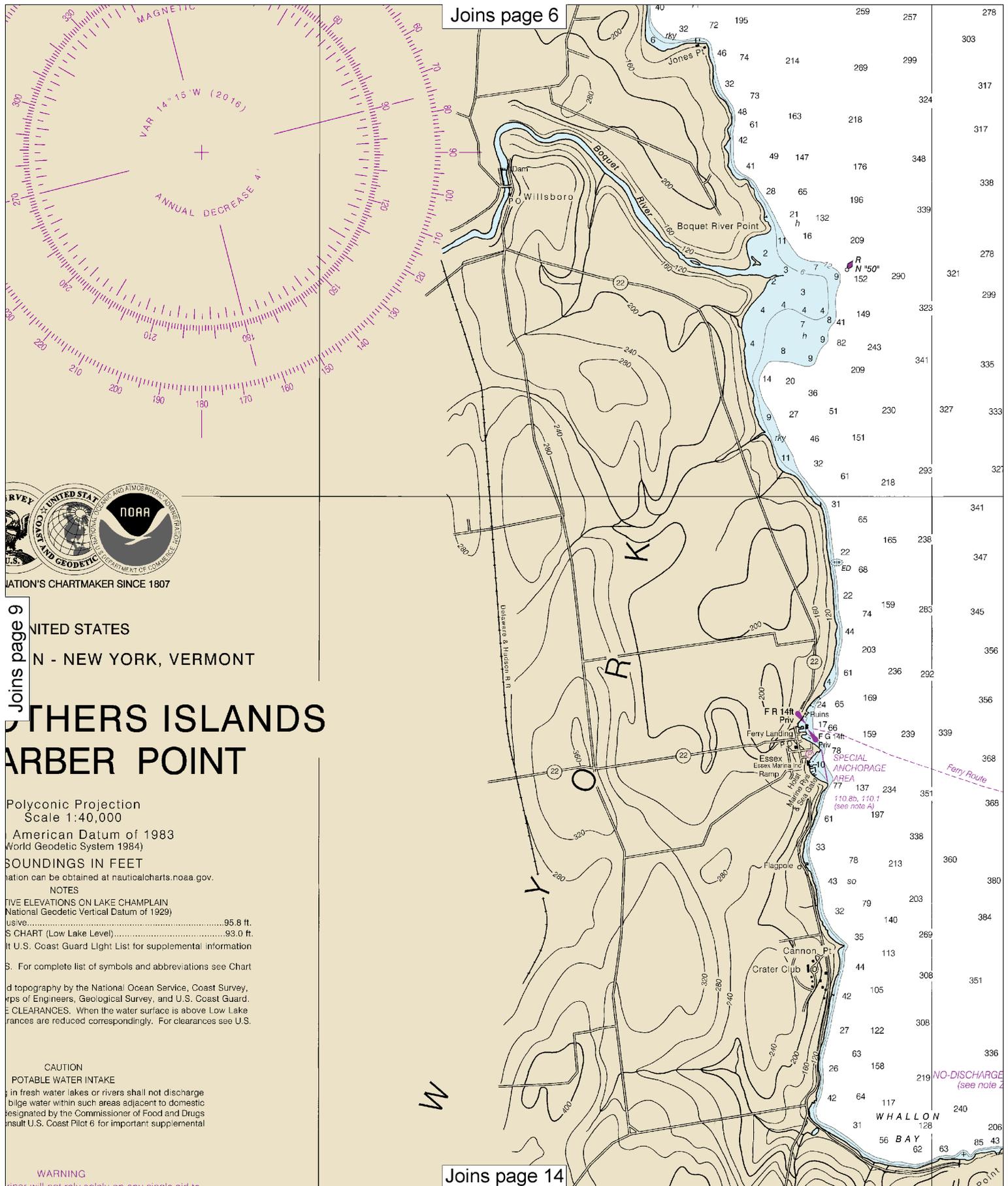
Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.







Joins page 6

Joins page 14



NAVY'S CHARTMAKER SINCE 1807

UNITED STATES
 NEW YORK, VERMONT
BATHURST ISLANDS
WILLSBORO POINT

Polyconic Projection
 Scale 1:40,000
 American Datum of 1983
 World Geodetic System 1984)

SOUNDINGS IN FEET
 Information can be obtained at nauticalcharts.noaa.gov.

NOTES
 ELEVATIONS ON LAKE CHAMPLAIN
 National Geodetic Vertical Datum of 1929)
 Bathurst Island.....95.8 ft.
 WILLSBORO CHART (Low Lake Level).....93.0 ft.
 Consult U.S. Coast Guard Light List for supplemental information

B. For complete list of symbols and abbreviations see Chart

Topography by the National Ocean Service, Coast Survey,
 Corps of Engineers, Geological Survey, and U.S. Coast Guard.
 CLEARANCES. When the water surface is above Low Lake
 Level, clearances are reduced correspondingly. For clearances see U.S.

CAUTION
 POTABLE WATER INTAKE
 Do not discharge sewage or garbage in fresh water lakes or rivers shall not discharge
 bilge water within such areas adjacent to domestic
 buildings designated by the Commissioner of Food and Drugs
 consult U.S. Coast Pilot 6 for important supplemental

WARNING
 Mariners will not rely solely on any single aid to



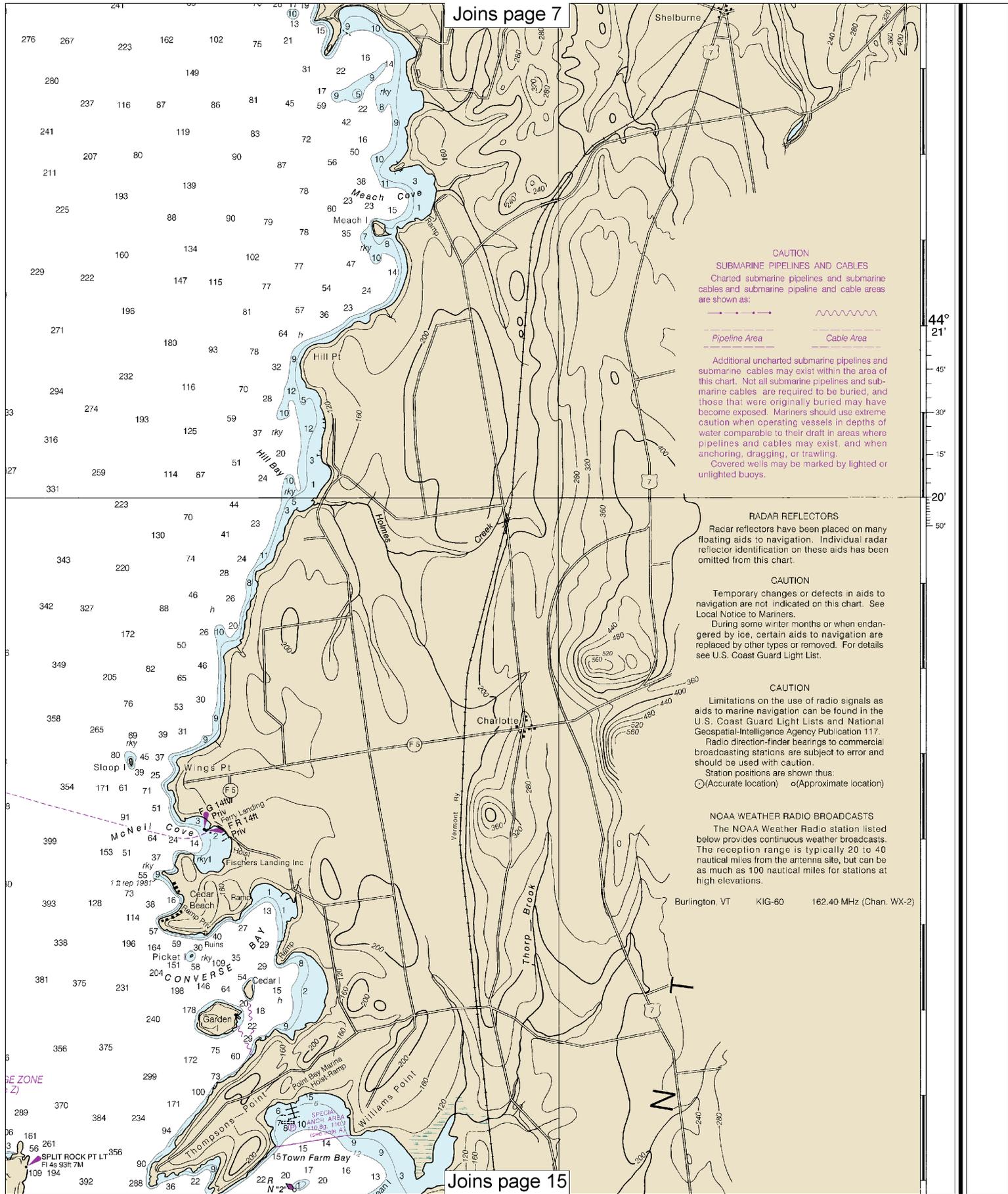
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
 Nautical Miles

See Note on page 5.





44° 21'
45°
30°
15°
20°
50'

SOUNDINGS IN FEET Joins page 8

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTES

COMPARATIVE ELEVATIONS ON LAKE CHAMPLAIN
(referred to National Geodetic Vertical Datum of 1929)

Mean stage 1900-1989, both inclusive.....95.8 ft.
 PLANE OF REFERENCE OF THIS CHART (Low Lake Level).....93.0 ft.
AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1
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.
BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Lake Level, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

CAUTION
POTABLE WATER INTAKE

Vessels operating in fresh water lakes or rivers shall not discharge sewage, or ballast, or bilge water within such areas adjacent to domestic water intakes as are designated by the Commissioner of Food and Drugs (21 CFR 1250.93). Consult U.S. Coast Pilot 6 for important supplemental information.

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 6 for details.

 Pump-out facilities

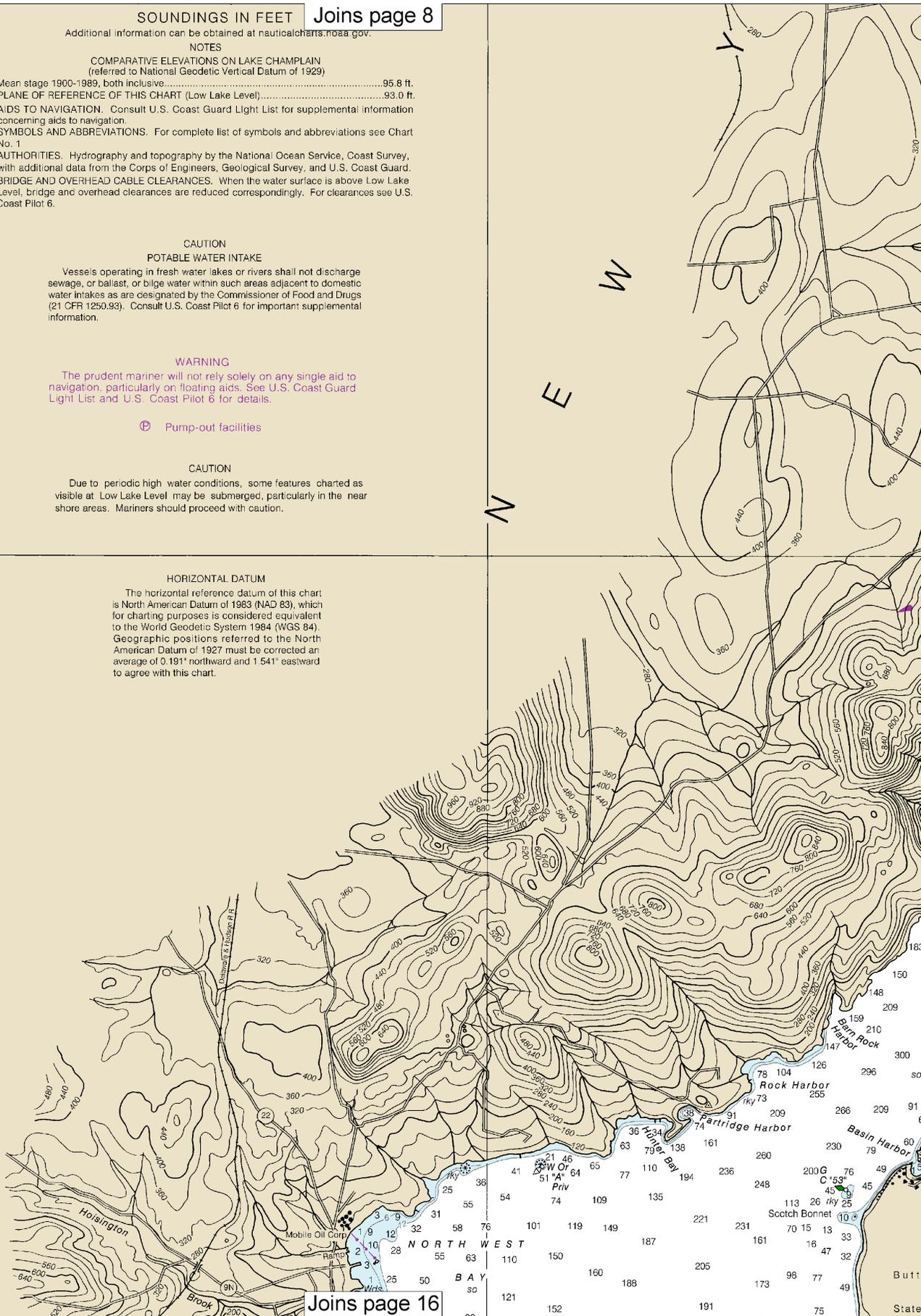
CAUTION

Due to periodic high water conditions, some features charted as visible at Low Lake Level may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

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 0.191" northward and 1.541" eastward to agree with this chart.

44° 16'
45'
30'
15'
15'
50'



Joins page 16

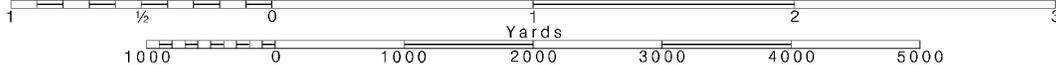
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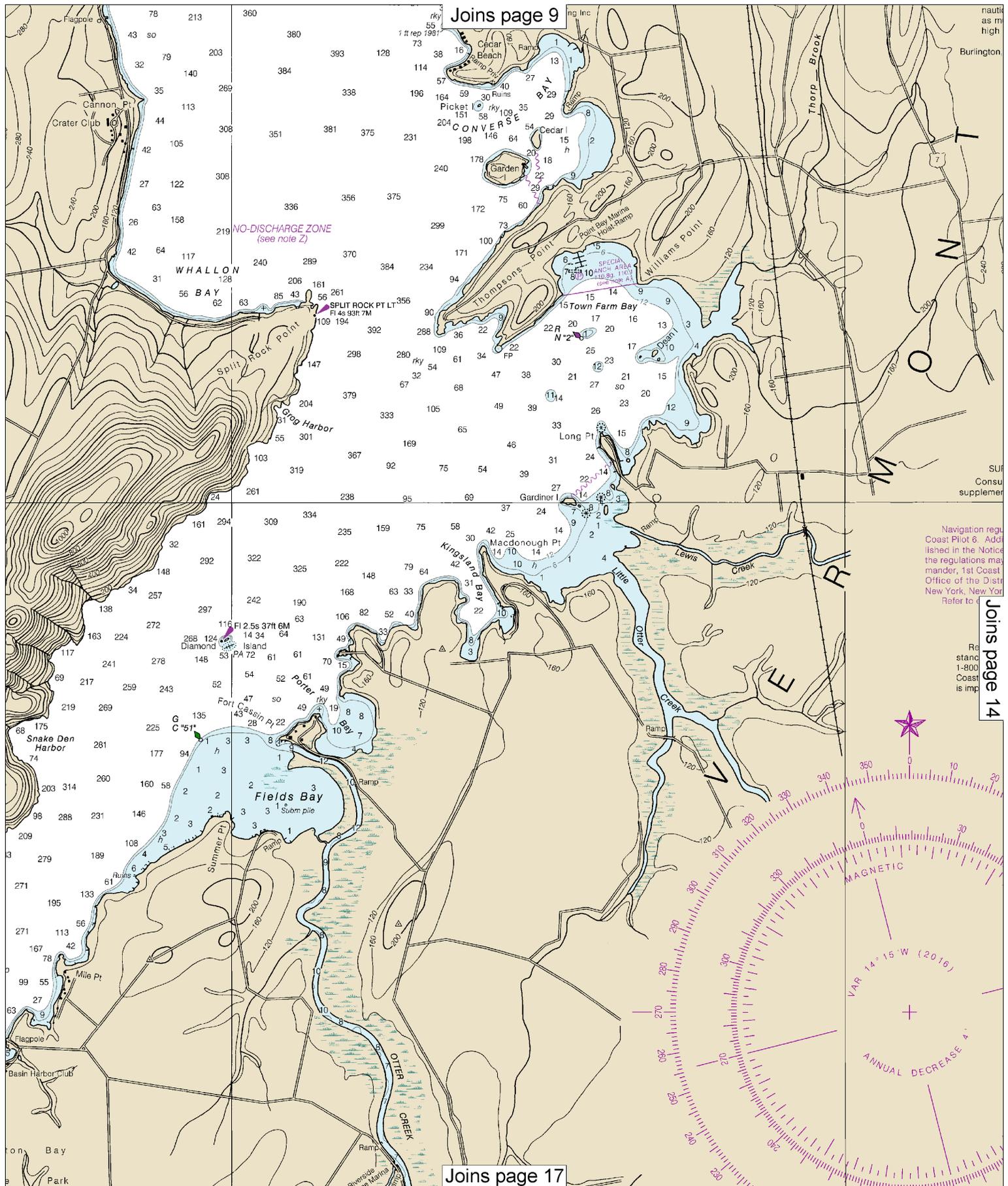
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





SOUNDINGS IN FEET
 Information can be obtained at nauticalcharts.noaa.gov.

NOTES

VERTICAL ELEVATIONS ON LAKE CHAMPLAIN
 National Geodetic Vertical Datum of 1929)
 Mean Low Water (MLW)..... 95.8 ft.
 Mean High Water (MHW)..... 93.0 ft.
 Consult U.S. Coast Guard Light List for supplemental information.

NOTE: For complete list of symbols and abbreviations see Chart 1.

NOTE: Bathymetry by the National Ocean Service, Coast Survey, U.S. Army Corps of Engineers, Geological Survey, and U.S. Coast Guard.

NOTE: CLEARANCES. When the water surface is above Low Lake Level, clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

CAUTION
POTABLE WATER INTAKE
 Fresh water lakes or rivers shall not discharge sewage or garbage water within such areas adjacent to domestic water intakes designated by the Commissioner of Food and Drugs. Consult U.S. Coast Pilot 6 for important supplemental information.

WARNING
 Mariners will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard U.S. Coast Pilot 6 for details.

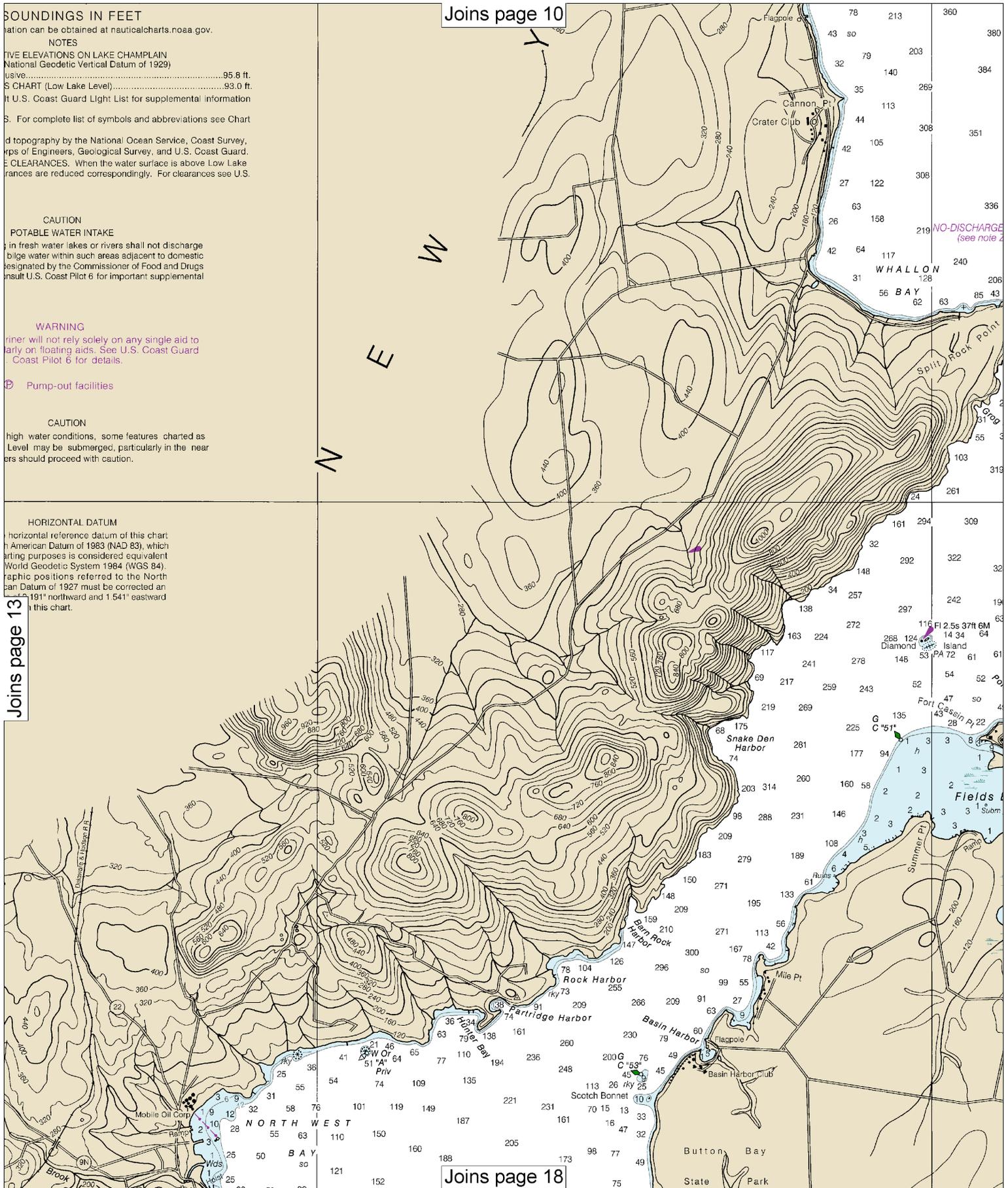
Pump-out facilities

CAUTION
 In high water conditions, some features charted as above ground may be submerged, particularly in the near vicinity of shore. Mariners should proceed with caution.

HORIZONTAL DATUM
 The horizontal reference datum of this chart is the 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 191" northward and 1 541" eastward on this chart.

Joins page 10

Joins page 13



Joins page 18

14

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

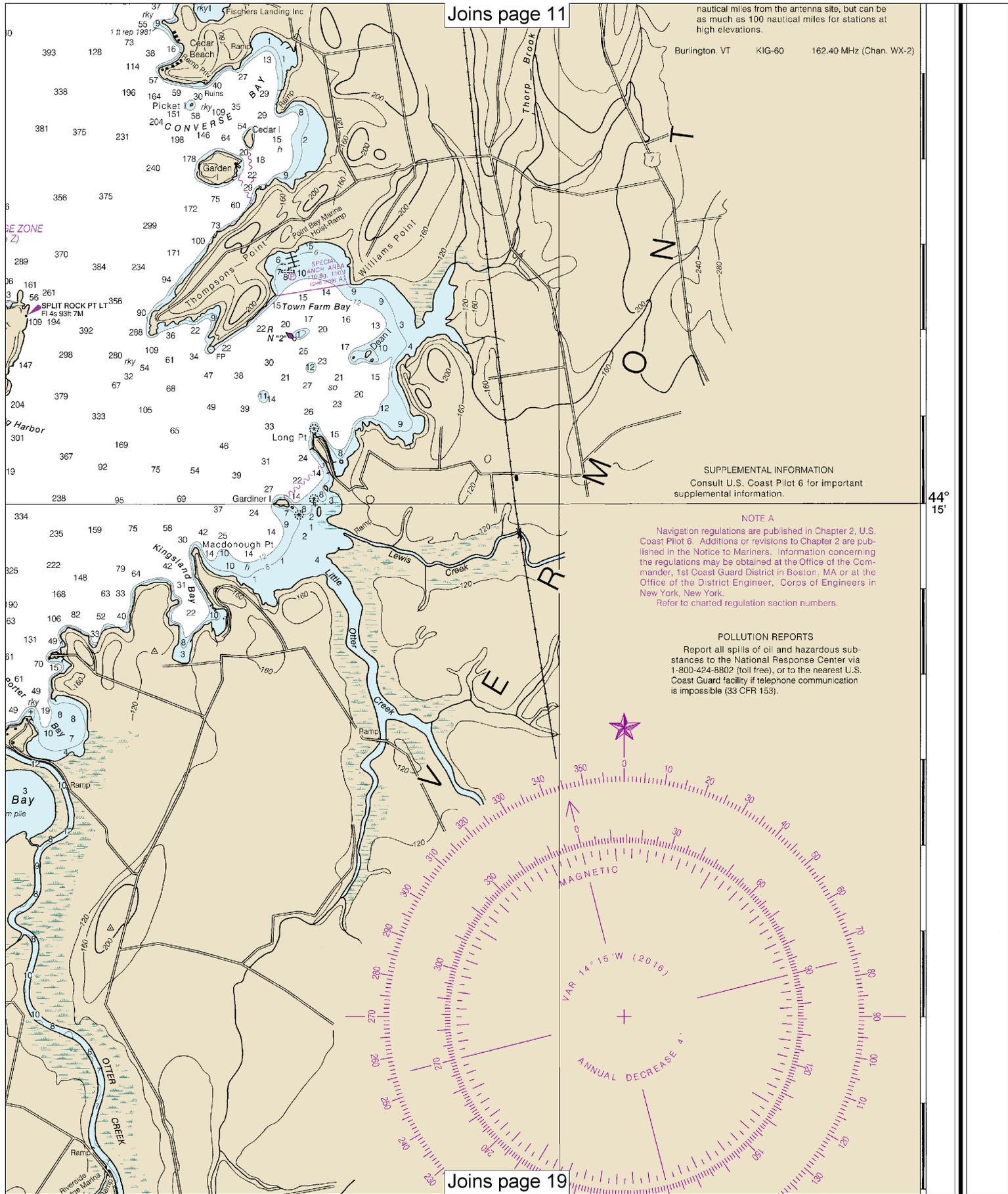
SCALE 1:40,000
 Nautical Miles

See Note on page 5.



nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Burlington VT KIG-60 162.40 MHz (Chan. WX-2)

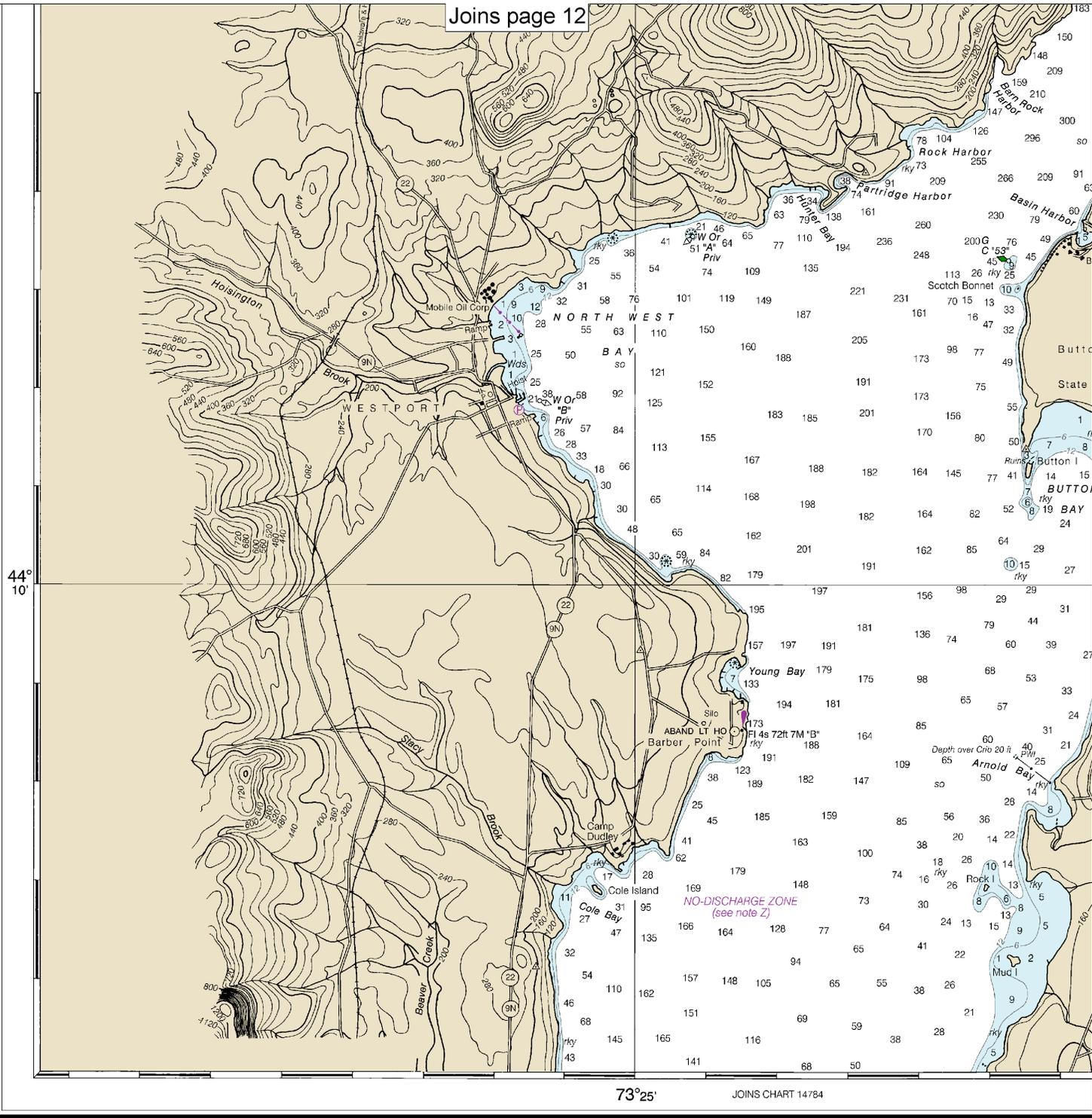


SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 6 for important supplemental information.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. 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, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in New York, New York. Refer to charted regulation section numbers.

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).

44° 15'



14783

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.

20th Ed., Dec. 2005. Last Correction: 9/2/2016. Cleared through:
 LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)

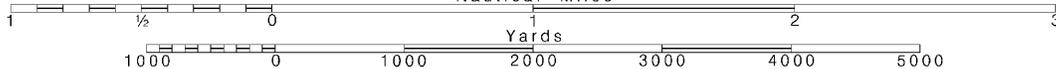
16

Note: Chart grid lines are aligned with true north.

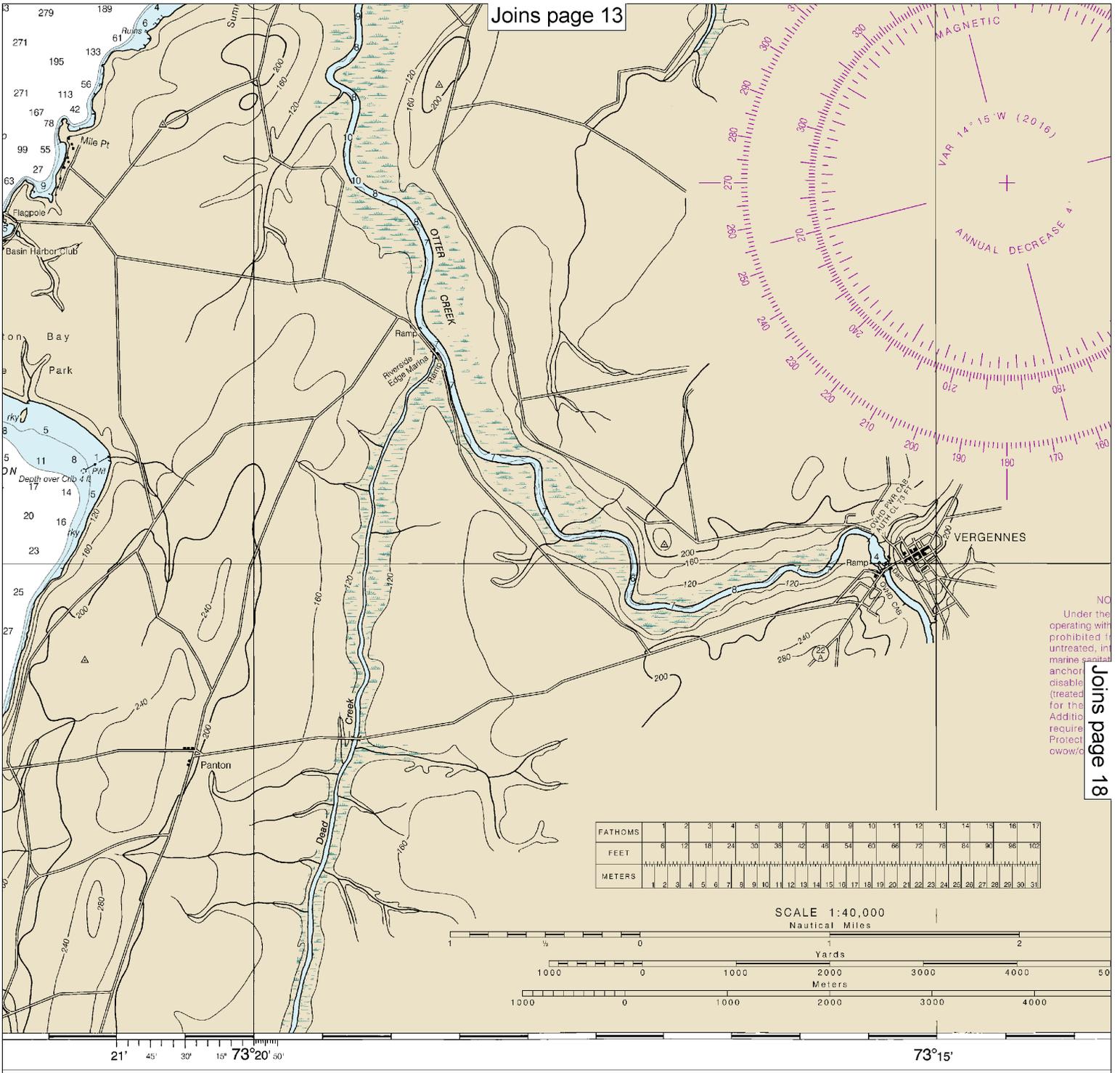
Printed at reduced scale.

SCALE 1:40,000
 Nautical Miles

See Note on page 5.



Joins page 13



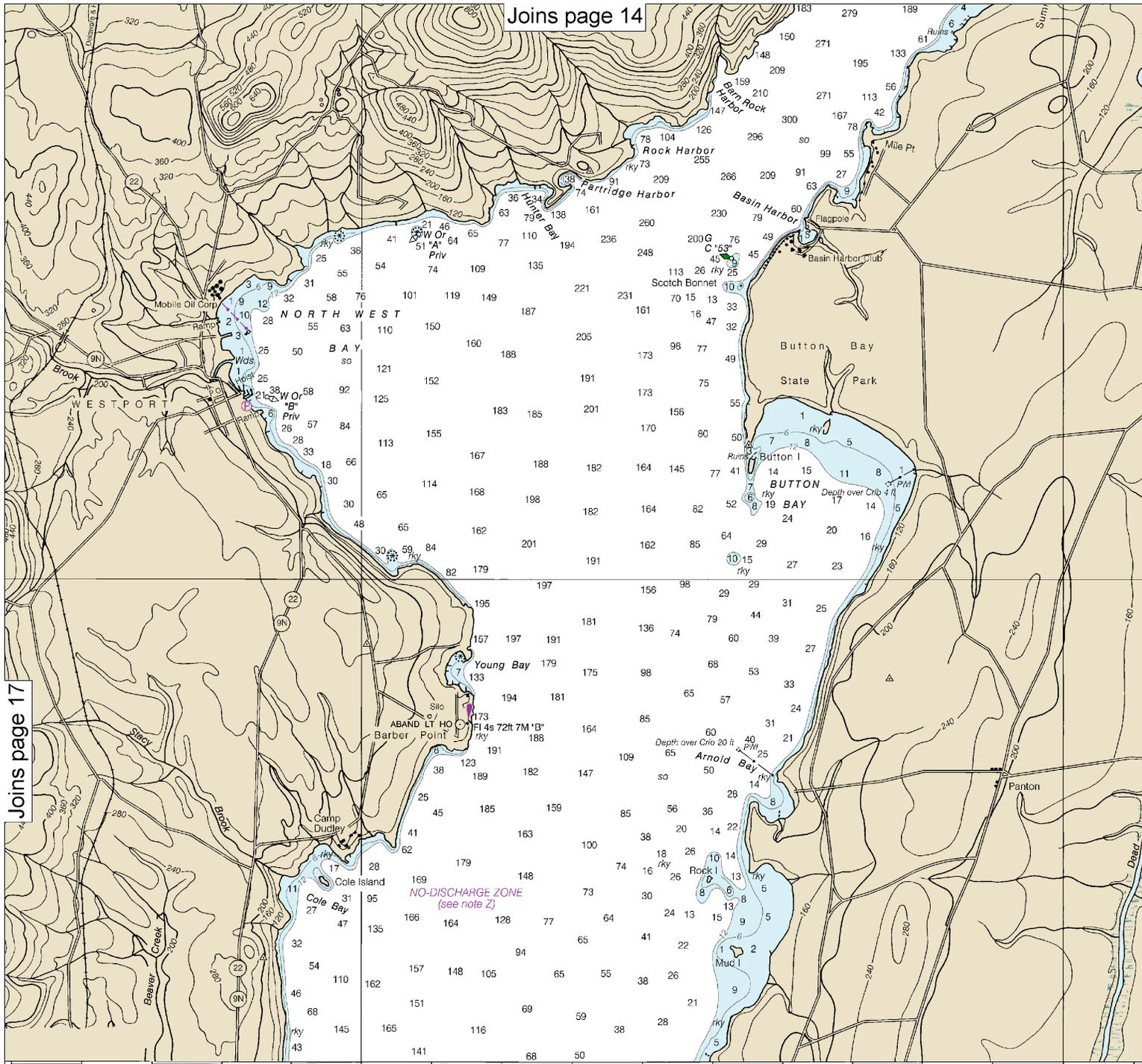
Joins page 18

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 U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SERVICE
 COAST SURVEY

SOUNDINGS IN FEET

Four Brothers Islands to Barber Point
 SOUNDINGS IN FEET - SCALE 1:40,000



Joins page 17

73°25' JOINS CHART 14784 21' 45' 30' 15' 73°20' 30'

CAUTION

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

Correction: 9/2/2016. Cleared through:
NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)

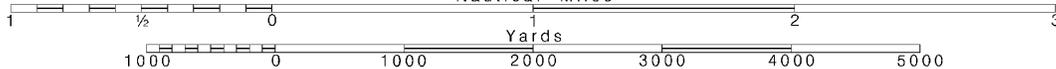
18

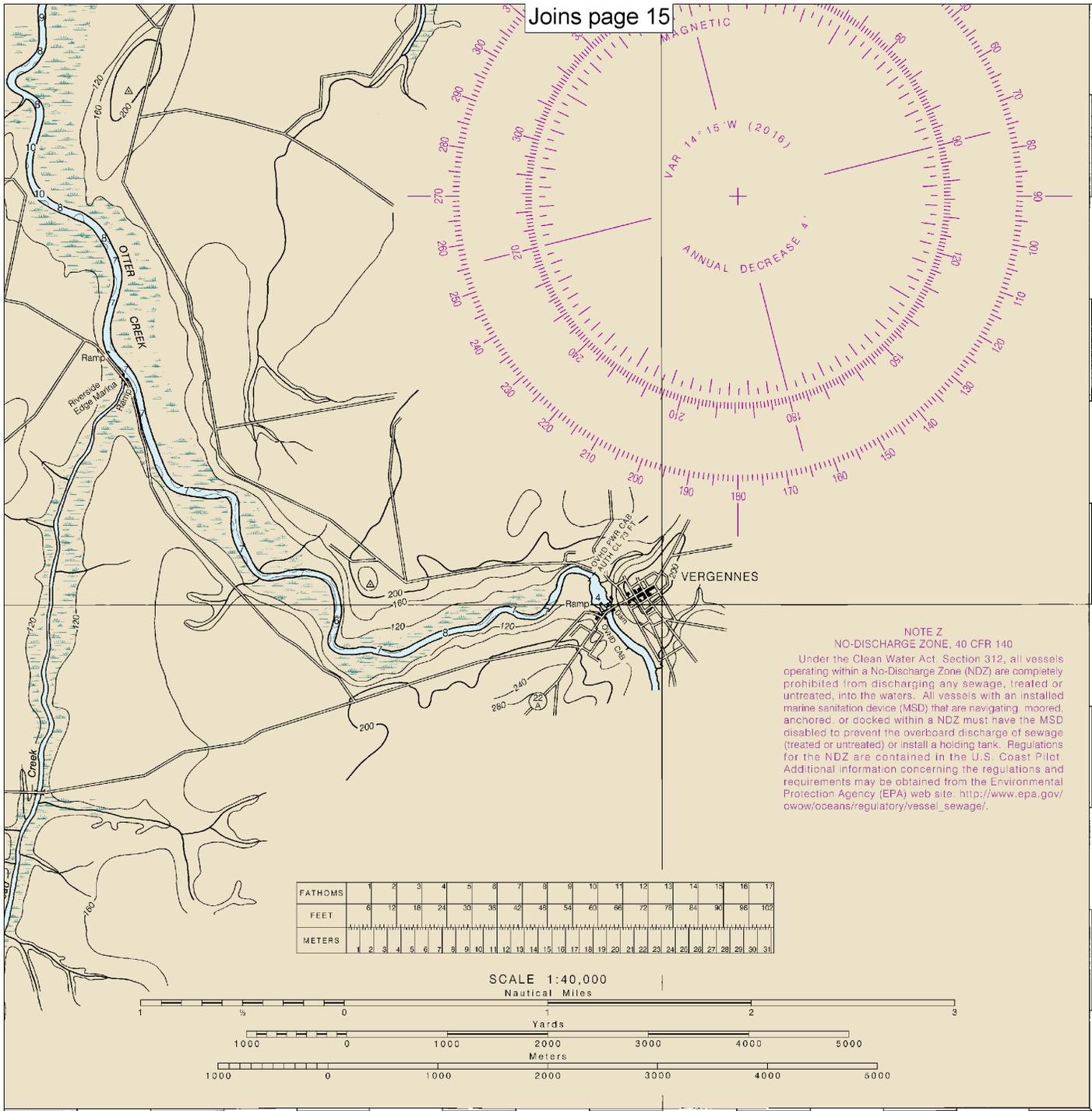
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





44° 10'

NOTE Z
NO-DISCHARGE ZONE, 40 CFR 140
 Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

73°15'

SOUNDINGS IN FEET

Four Brothers Islands to Barber Point
 SOUNDINGS IN FEET - SCALE 1:40,000

14783



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!



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://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx>
- Chart and chart related inquiries and comments — <http://ocsddata.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 Hurricane Center — <http://www.nhc.noaa.gov/>
- Pacific Tsunami Warning Center — <http://ptwc.weather.gov/>
- Contact Us — <http://www.nauticalcharts.noaa.gov/staff/contact.htm>



— For the latest news from Coast Survey, follow @NOAAcharts



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.