BookletChart™

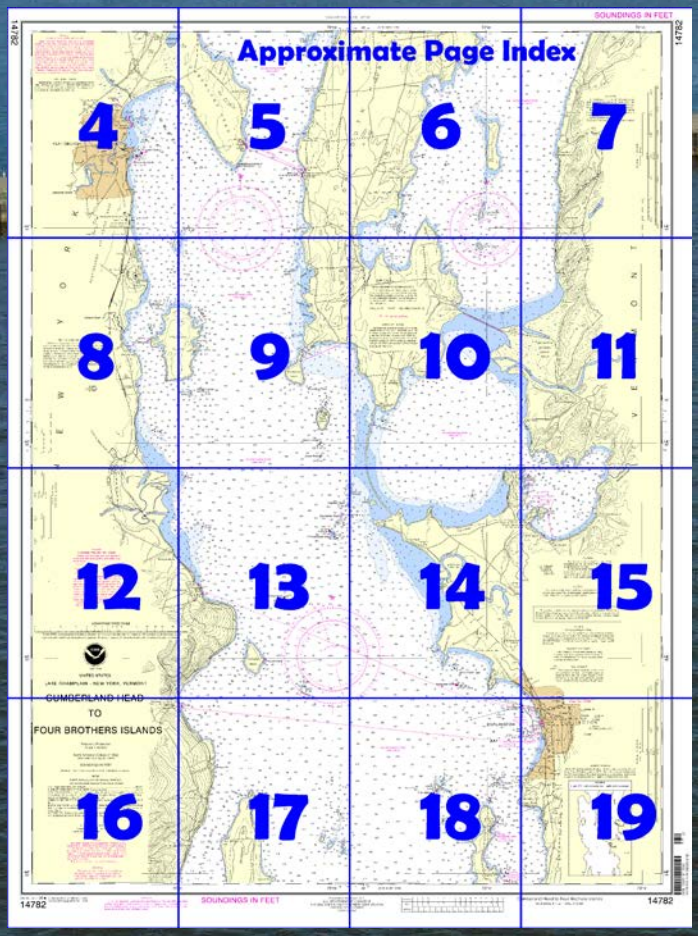
Cumberland Head to Four Brothers Islands

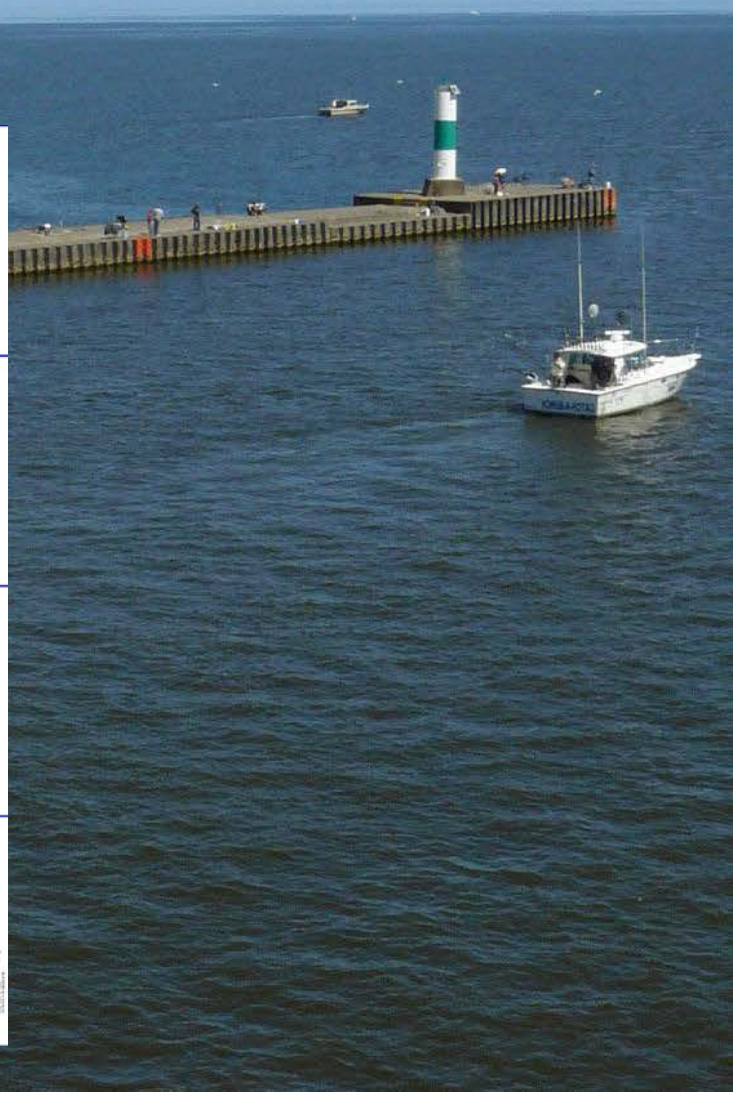
NOAA Chart 14782

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=14782

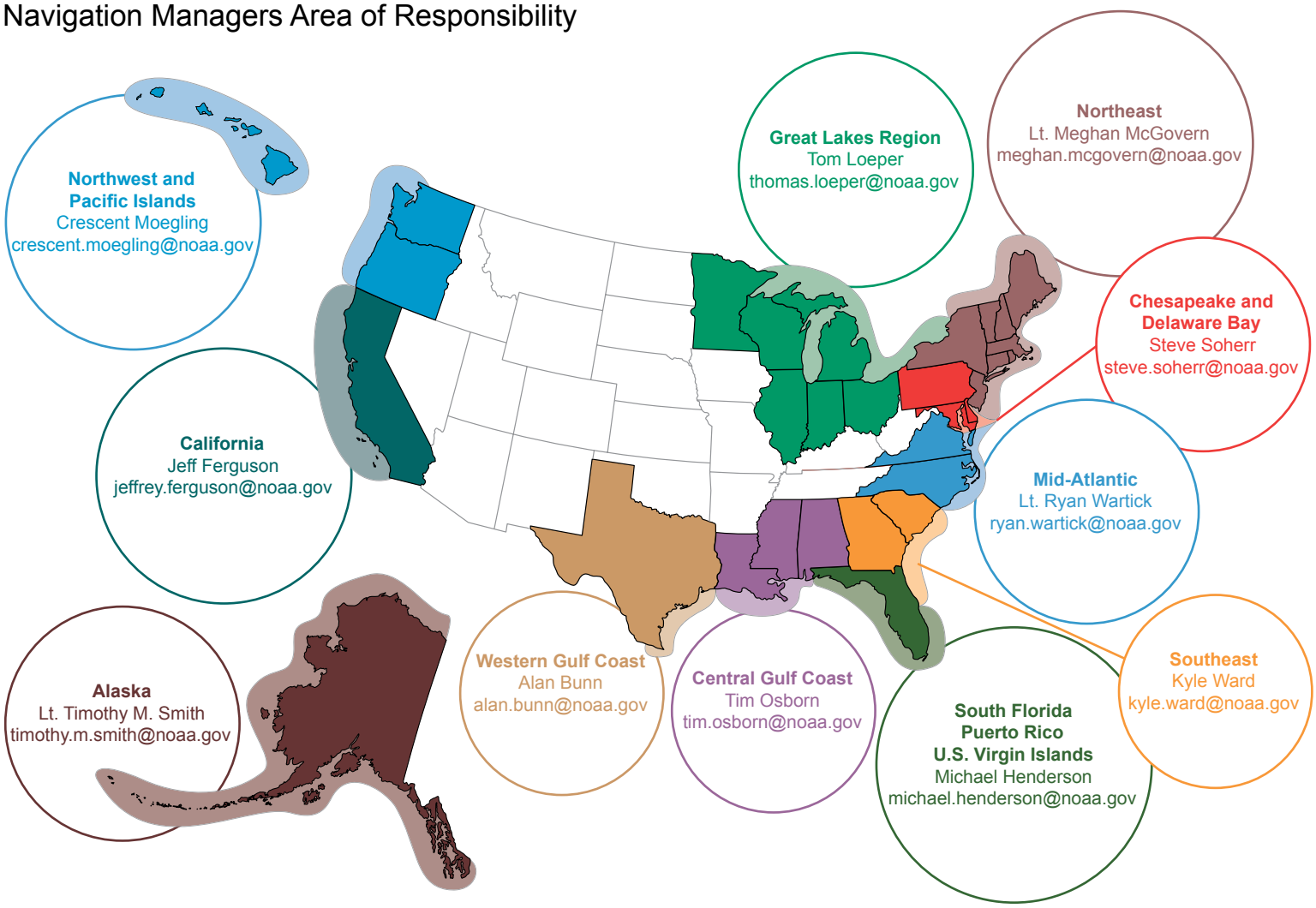
(Selected Excerpts from Coast Pilot)
Lake Champlain extends from the lower end of Champlain Canal at Whitehall, NY, north for about 112 miles to the International boundary at Rouses Point, NY. The north end of the lake outlets north through Riviere Richelieu and Canal de Chambly to the St. Lawrence River.
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.
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 berths, gas, diesel fuel, water, ice, electricity, and sewage pump-out. A 220-ft marine railway and a 30-ton lift are available for hull and engine repairs.
Burlington, VT, just north of the entrance to Shelburne Bay, is the largest port on Lake Champlain. Several companies have dock facilities for receipt of petroleum products by barge. The Hilton Hotel, with a red lighted sign, is the most prominent object in the harbor approach.
Burlington Breakwater North Light (44°28'50"N., 73°13'47"W.), 35 feet above the water, is shown from a white square lighthouse on the north end of the N breakwater.
Channels.–Two detached breakwaters parallel the shore and protect the harbor front from west. Lights are on the north end of the north breakwater and on the south end of the south breakwater, and a daybeacon marks the north side of the gap between them. Depths in the harbor are 6 to 12 feet off the wharves increasing to much greater depths at the breakwaters. Good anchorage is available behind the breakwaters.
Anchorages.–A **special anchorage area** for vessels less than 65 feet in length is about 0.2 mile northeast of Burlington Breakwater South Light. (See **33 CFR 110.1** and **110.8(h)**, chapter 2, for limits and regulations.)
A**special anchorage area** for vessels less than 35 feet is off the east side of the south breakwater. (See **33 CFR 110.1** and **110.136**, chapter 2, for limits and regulations.)
Coast Guard.–Burlington Coast Guard Station is at the north end of the harbor, east of Burlington Breakwater North Light.
Harbor regulations.–Harbor regulations are established by the Burlington City Council and are enforced by the **harbormaster** who may be reached at City Hall. A **speed limit** of 5 mph is enforced in the city yacht basin. Copies of the regulations may be obtained from the Mayor, City Hall, Burlington, VT 05401.

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

RCC Cleveland	Commander 9th CG District Cleveland, OH	(216) 902-6117

Navigation Managers Area of Responsibility

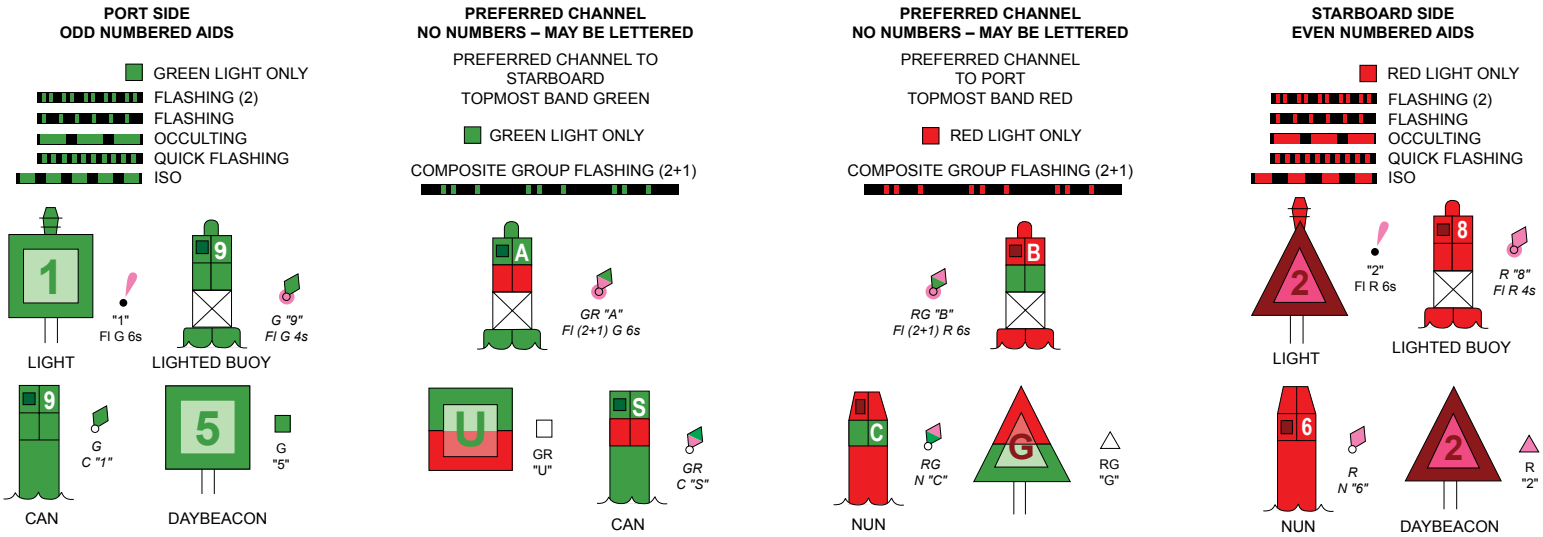


NOAA's navigation managers serve as ambassadors to the maritime community.
They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit *nauticalcharts.noaa.gov/service/navmanagers*

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*.

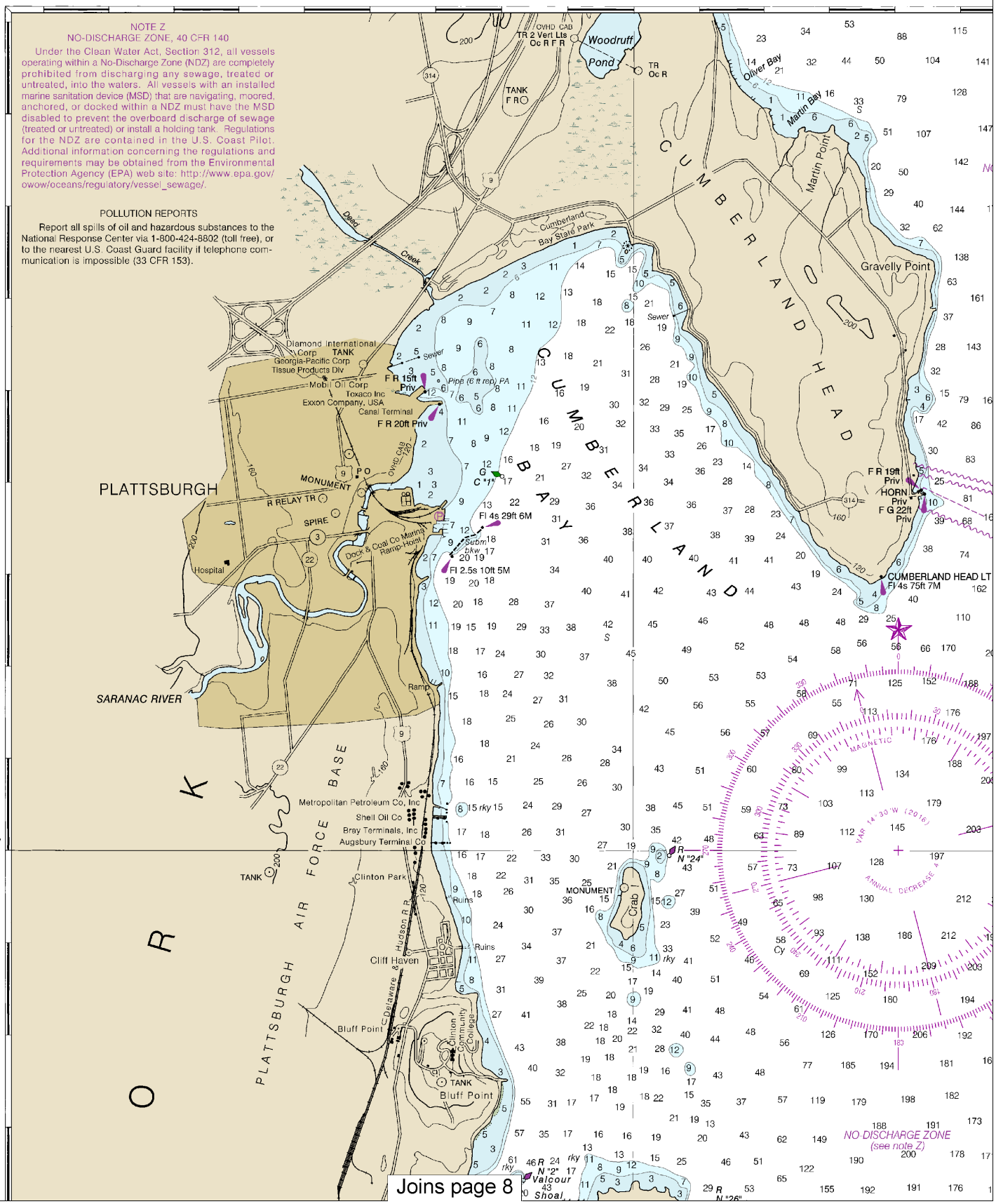
Lateral System As Seen Entering From Seaward

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*

14782



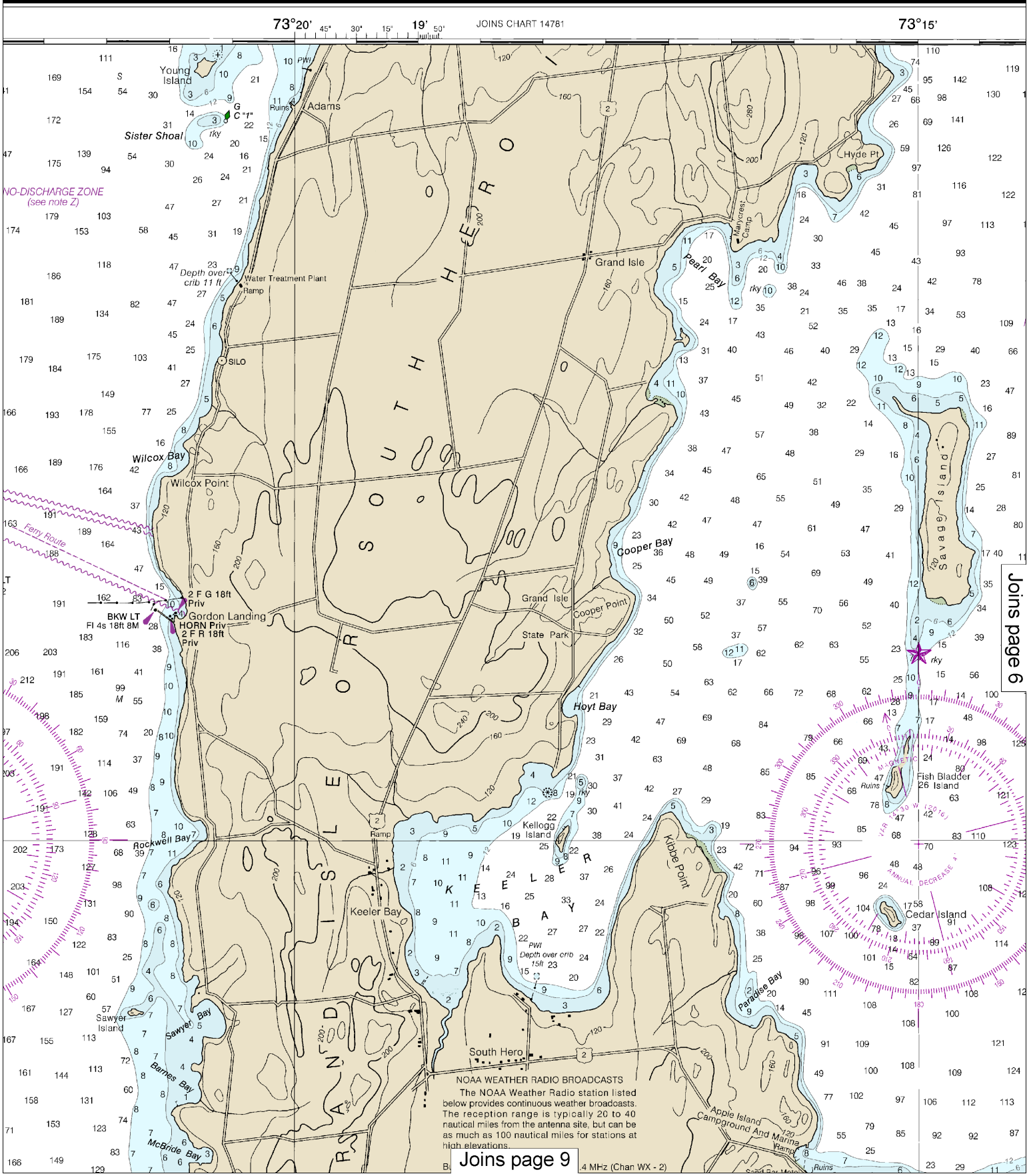
4

Note: Chart grid lines are aligned with true north.

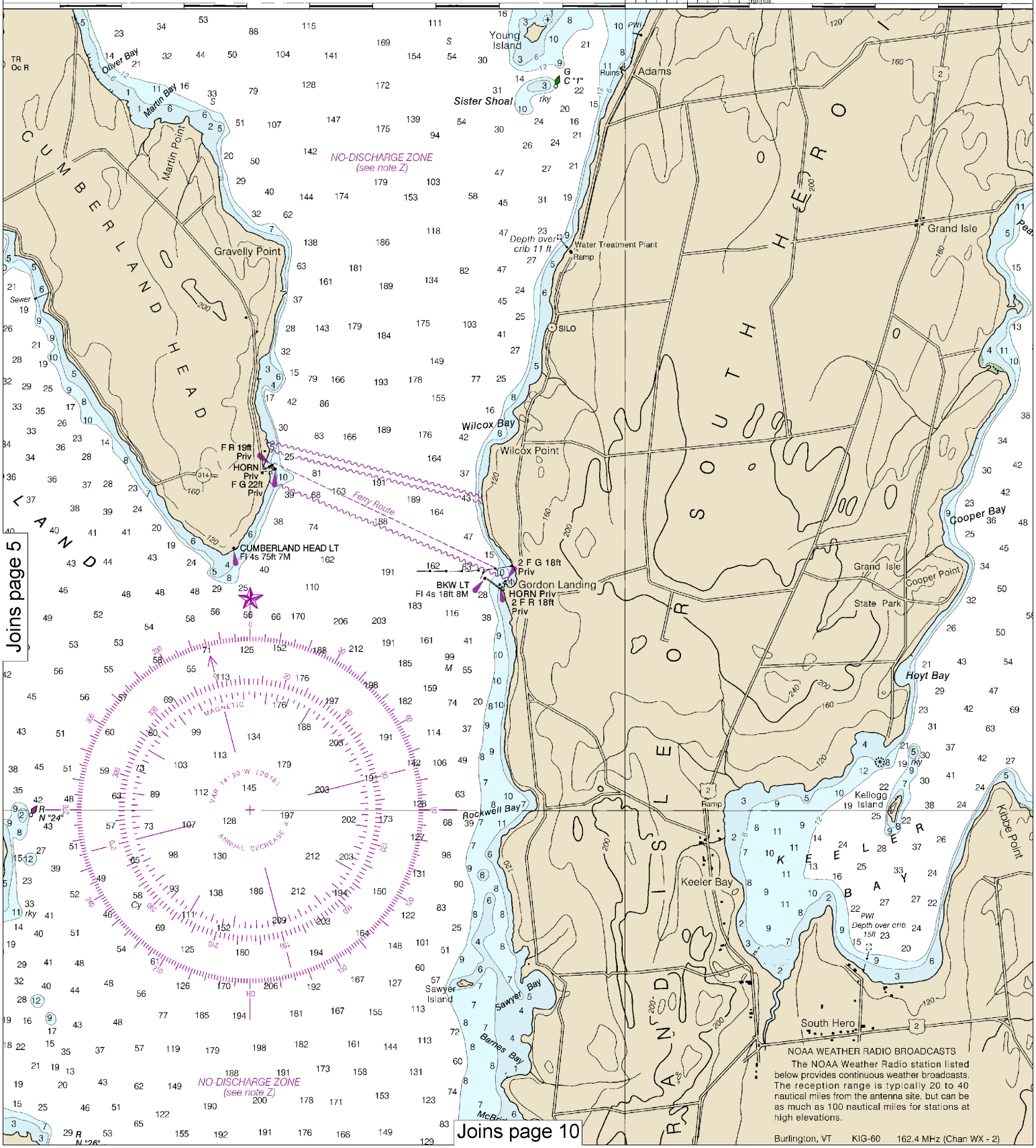
Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000



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.



Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles

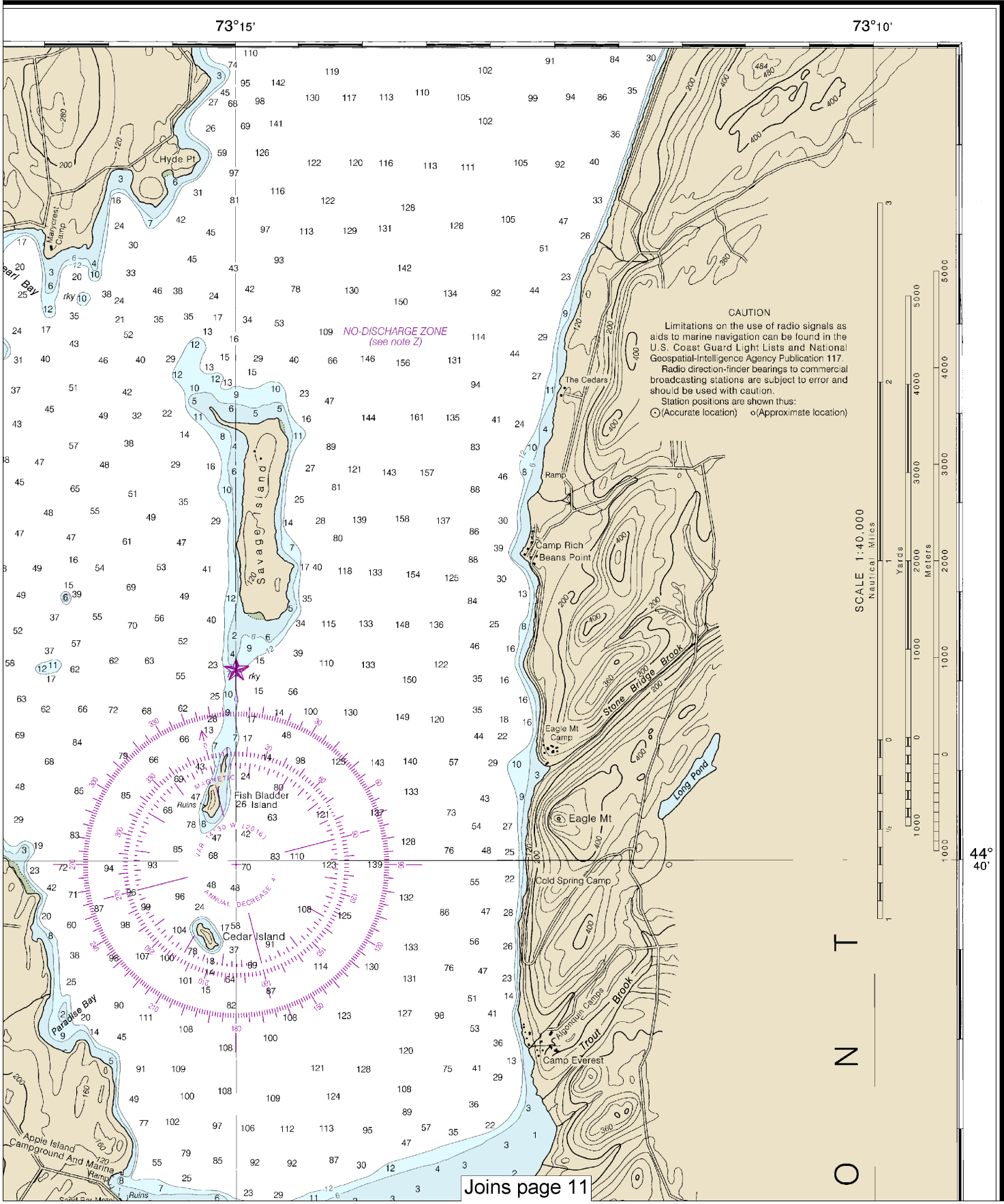
1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

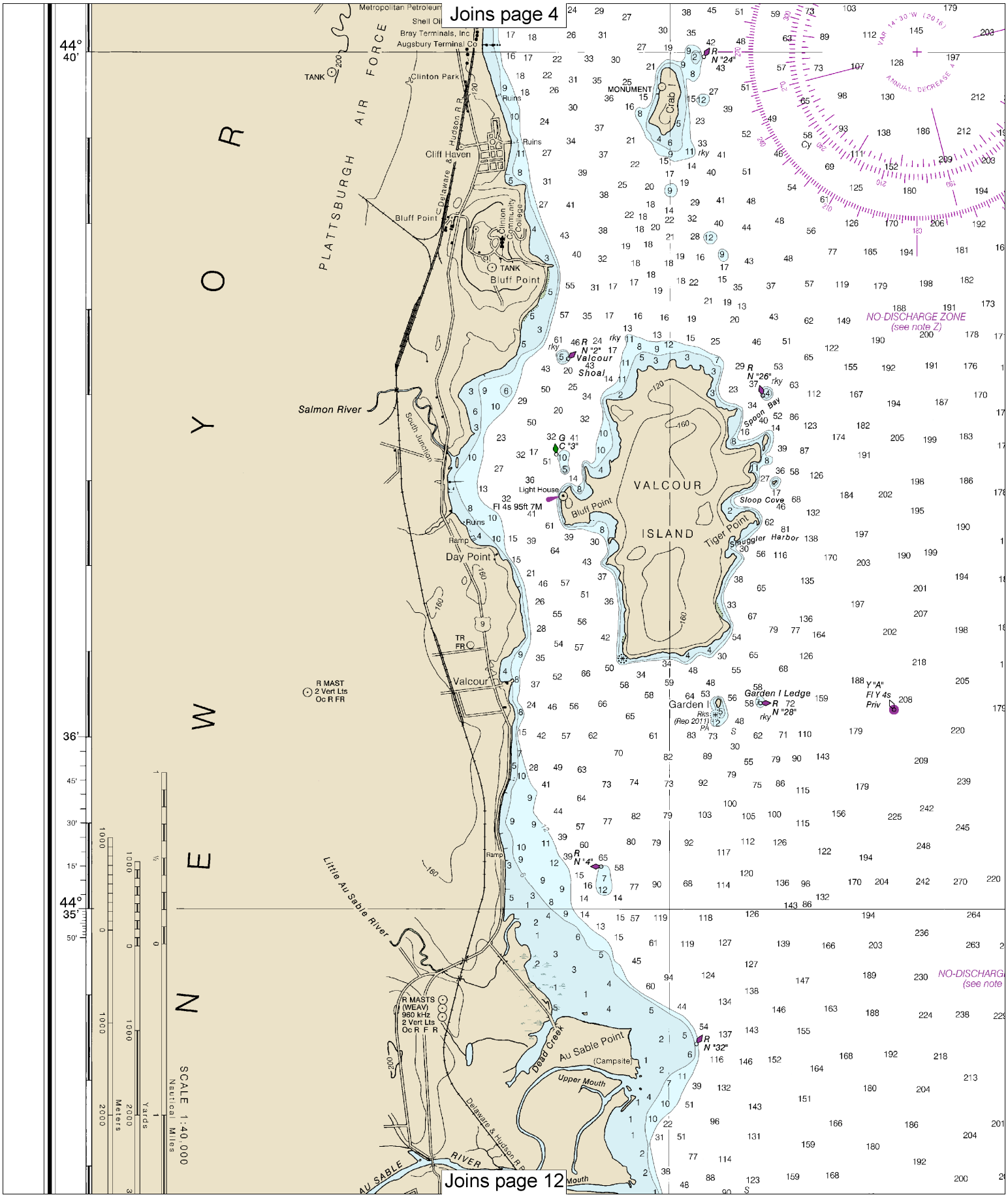
Note: Chart grid lines are aligned with true north.

14782



Joins page 11

Last Correction: 5/5/2016. Cleared through:
LNM: 2916 (7/19/2016), NM: 3016 (7/23/2016), CHS: 0616 (6/24/2016)

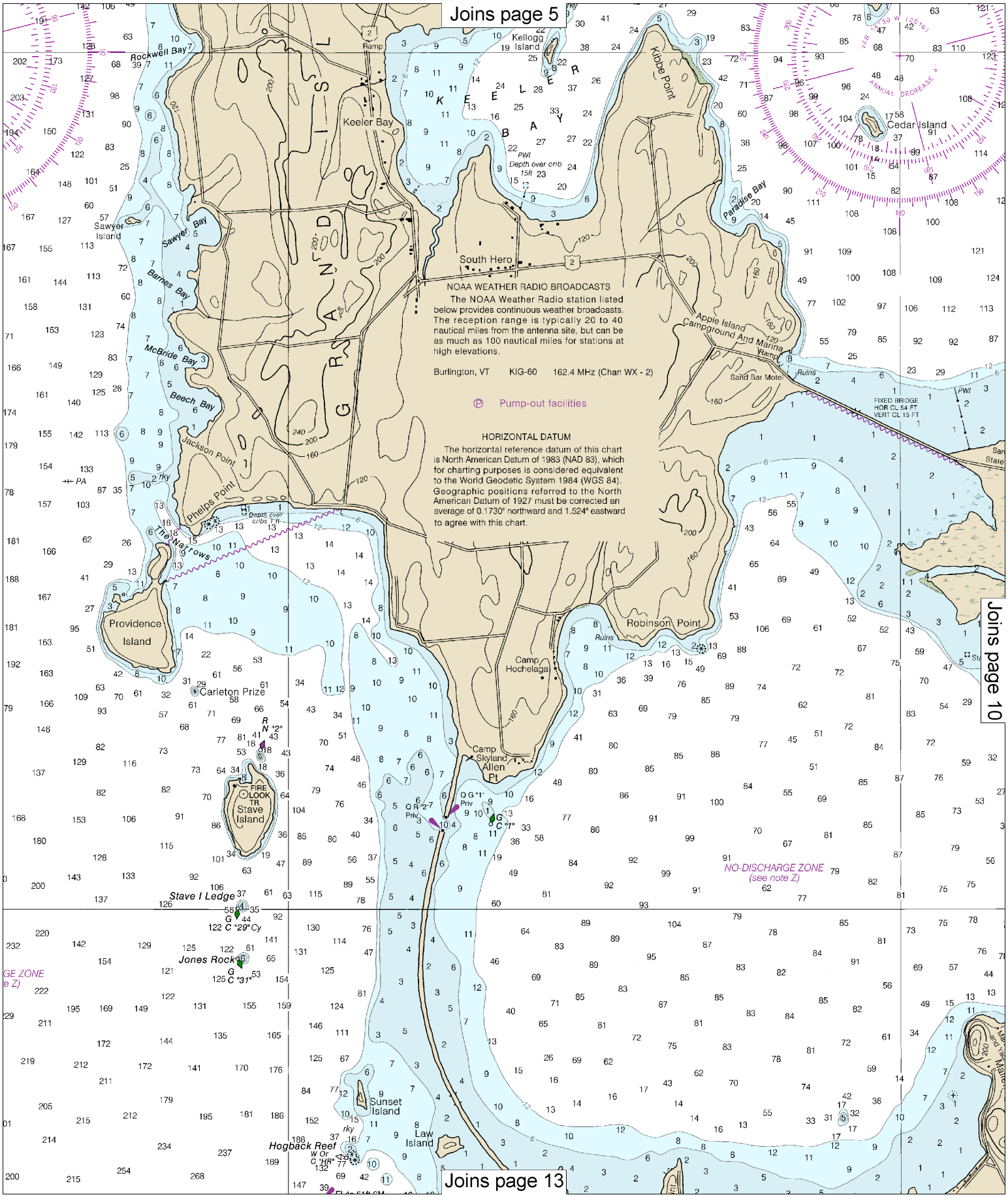


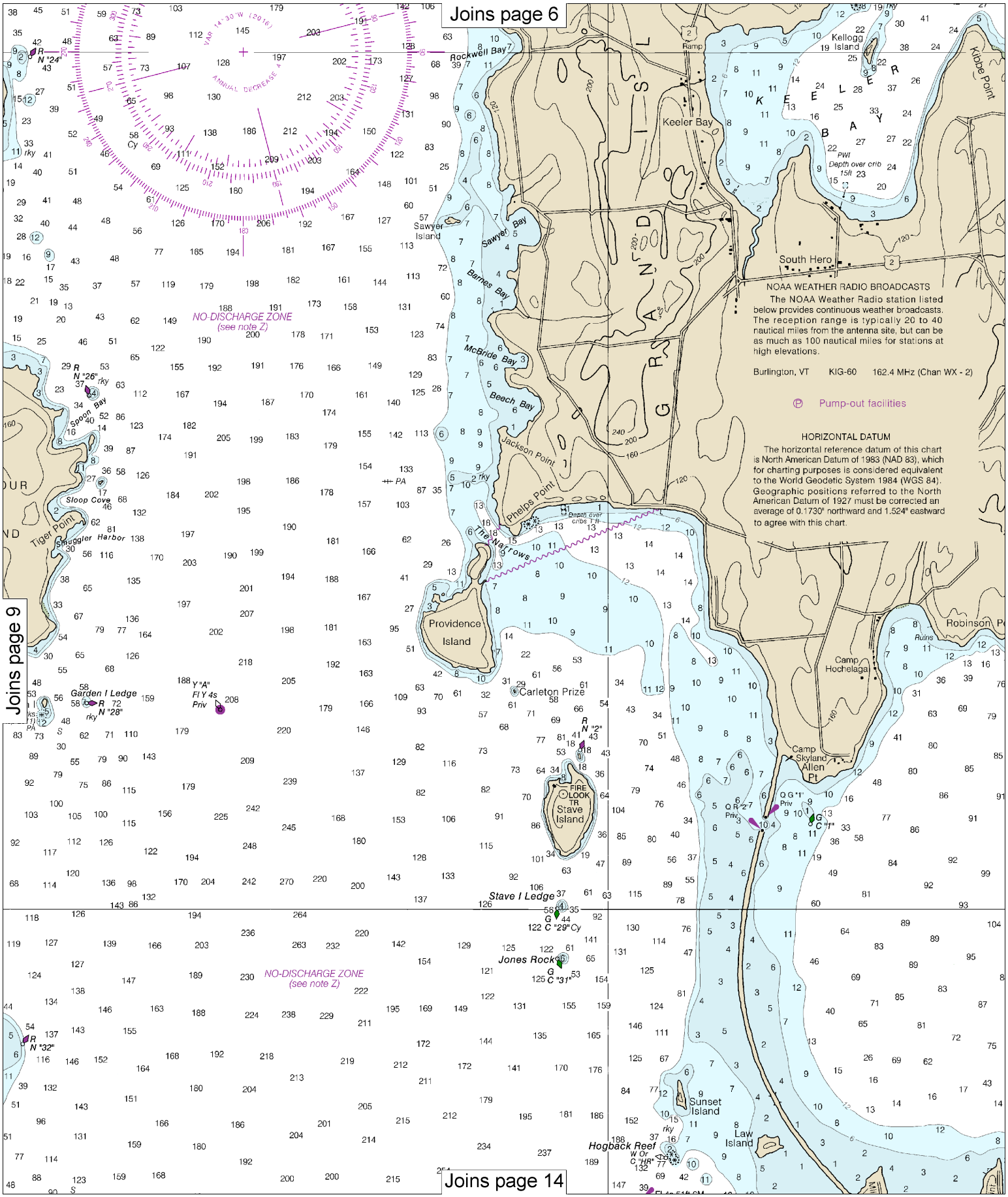
Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

Note: Chart grid lines are aligned with true north.


Joins page 5
Joins page 10
Joins page 13
Rockwell Bay
Ramp
Kellogg Island
Keeler Bay
KEELER BAY
Kibbe Point
Cedar Island
Sawyer Island
Sawyer Bay
Barnes Bay
McBride Bay
Beech Bay
Jackson Point
Phelps Point
South Hero
Paradise Bay
Apple Island Campground And Marina
Ramp
Sand Bar Motel
Ruins
FIXED BRIDGE
HOR CL 54 FT
VERT CL 15 FT
Depth over cribs 15ft
The Narrows
Providence Island
Carleton Prize
Stave Island
FIRE LOOK TR
Stave I Ledge
Jones Rock
Sunset Island
Law Island
Hogback Reef
Robinson Point
Camp Hochelaga
Camp Skyland
Allen Pt
NO-DISCHARGE ZONE
(see note Z)
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.
Burlington, VT KIG-60 162.4 MHz (Chan WX - 2)
Pump-out facilities
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 0.1730" northward and 1.524" eastward to agree with this chart.

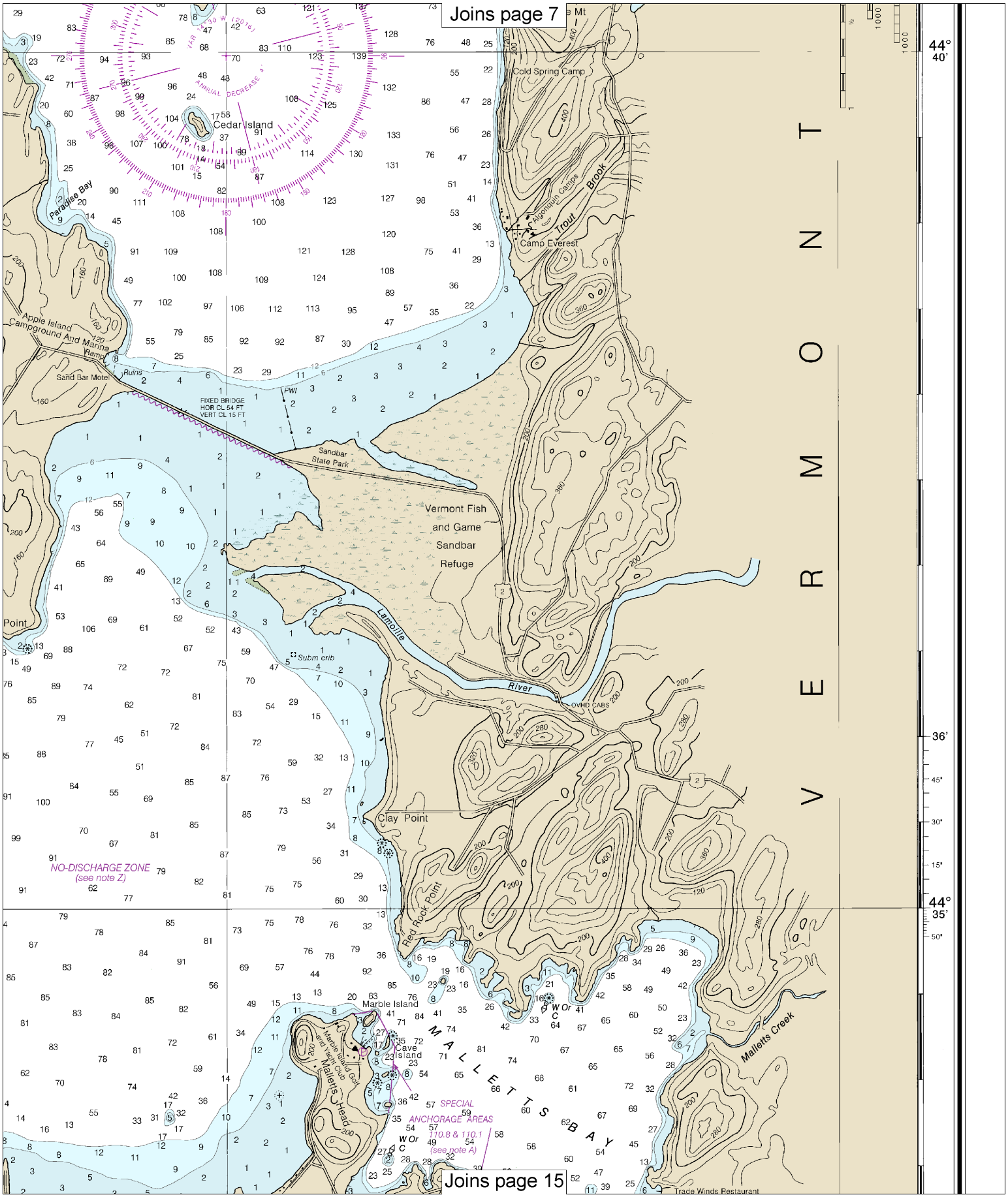


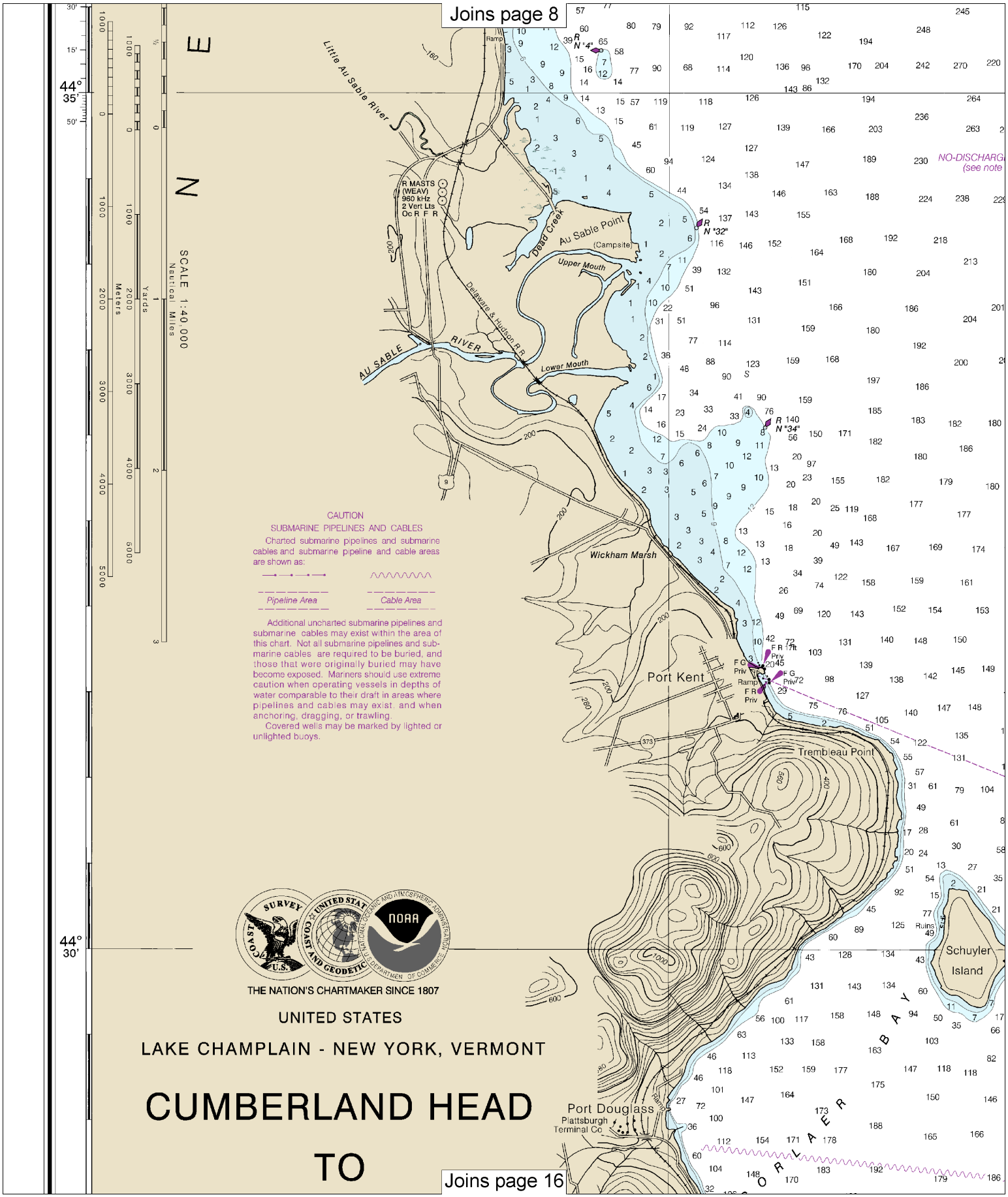
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000


Joins page 7
Cedar Island
Paradise Bay
Apple Island Campground And Marina
Ramp
Sand Bar Motel
Ruins
FIXED BRIDGE
HOR CL 54 FT
VERT CL 15 FT
PWr
Sandbar State Park
Cold Spring Camp
Algonquin Camps
Trout Brook
Camp Everest
Vermont Fish and Game Sandbar Refuge
Lamoille River
Subm crib
OVHD CABS
Clay Point
Red Rock Point
NO-DISCHARGE ZONE
(see note Z)
Marble Island
Cave Island
Marble Island Golf and Yacht Club
Mallets Head
MALLETTS BAY
SPECIAL ANCHORAGE AREAS
110.8 & 110.1
(see note A)
Mallets Creek
Trade Winds Restaurant
VERMONT
44° 40'
36'
44° 35'
Joins page 15

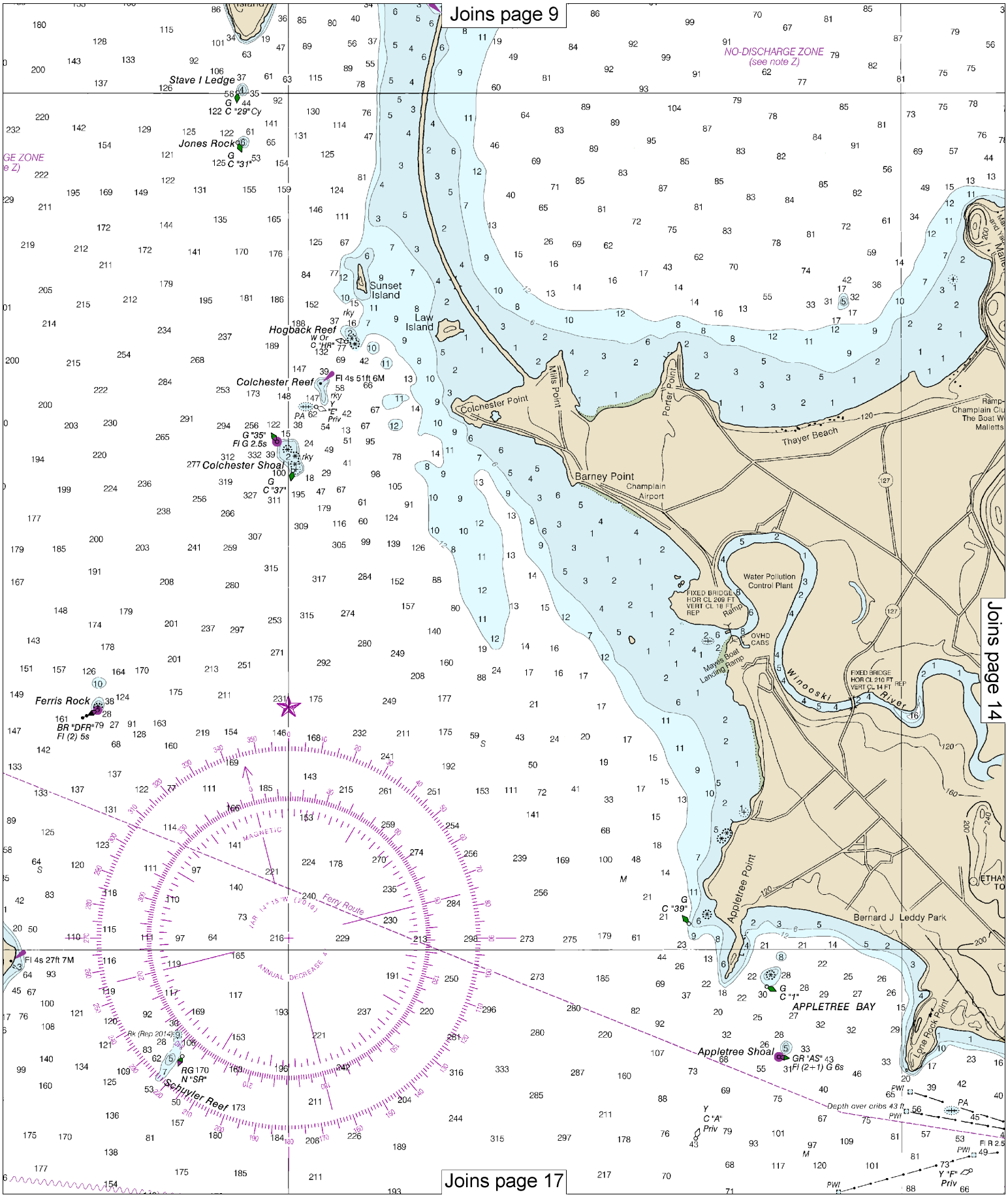


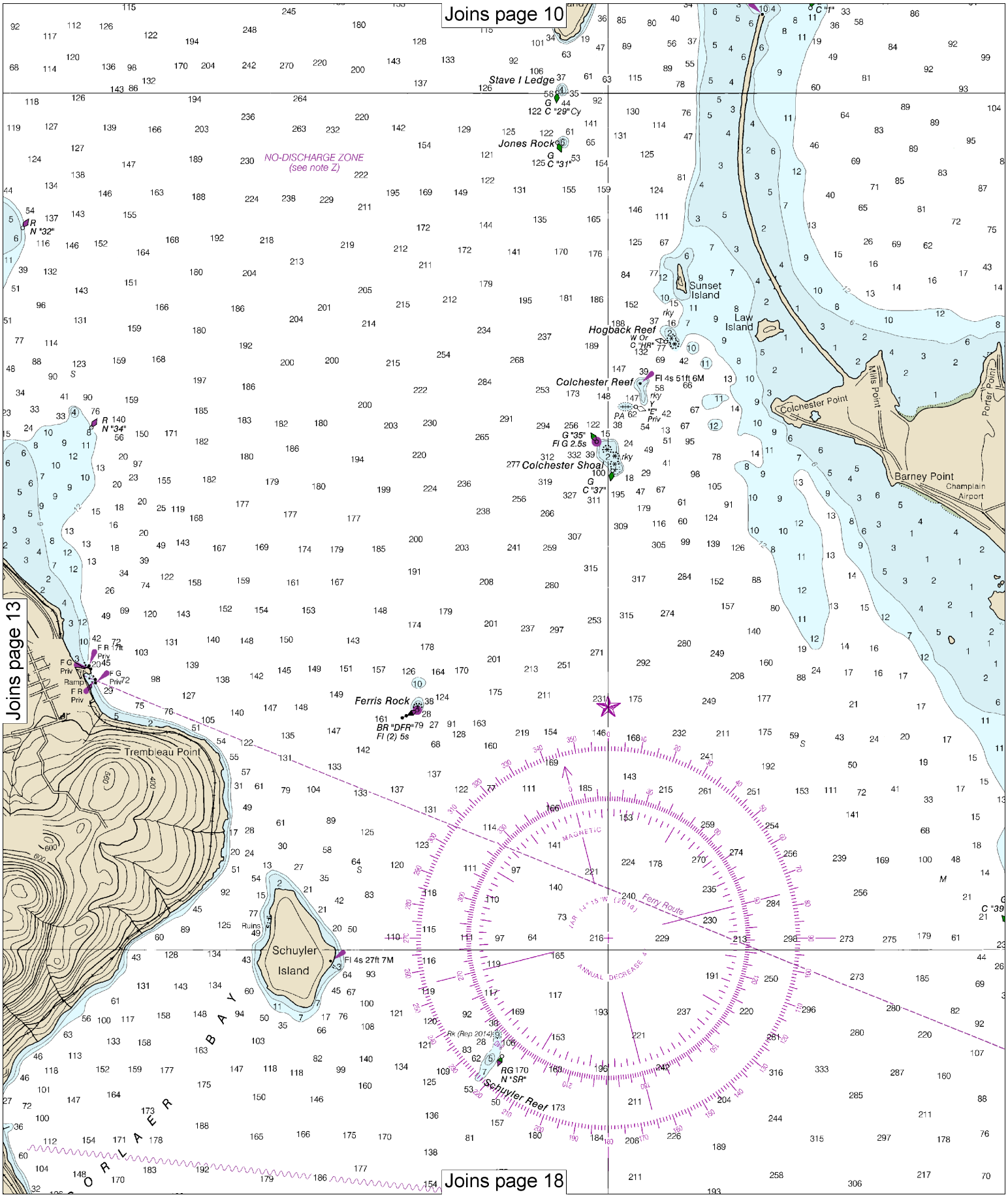
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000


Joins page 9
Joins page 14
Joins page 17
NO-DISCHARGE ZONE
(see note Z)
Stave I Ledge
Jones Rock
Sunset Island
Law Island
Hogback Reef
Colchester Reef
Fl 4s 51ft 6M
Colchester Shoal
Colchester Point
Mills Point
Porter Point
Thayer Beach
Barney Point
Champlain Airport
Water Pollution Control Plant
FIXED BRIDGE
HOR CL 209 FT
VERT CL 18 FT
REP
Ramp
OVHD CABS
Mayes Boat Landing Ramp
Winooski River
FIXED BRIDGE
HOR CL 210 FT
VERT CL 14 FT
REP
Ferris Rock
BR "DFR"
Fl (2) 5s
Ferry Route
MAGNETIC
ANNUAL DECREASE
Appletree Point
Bernard J Leddy Park
APPLETREE BAY
Appletree Shoal
GR "AS"
Fl (2+1) G 6s
Schuyler Reef
Fl 4s 27ft 7M
Depth over cribs 43 ft

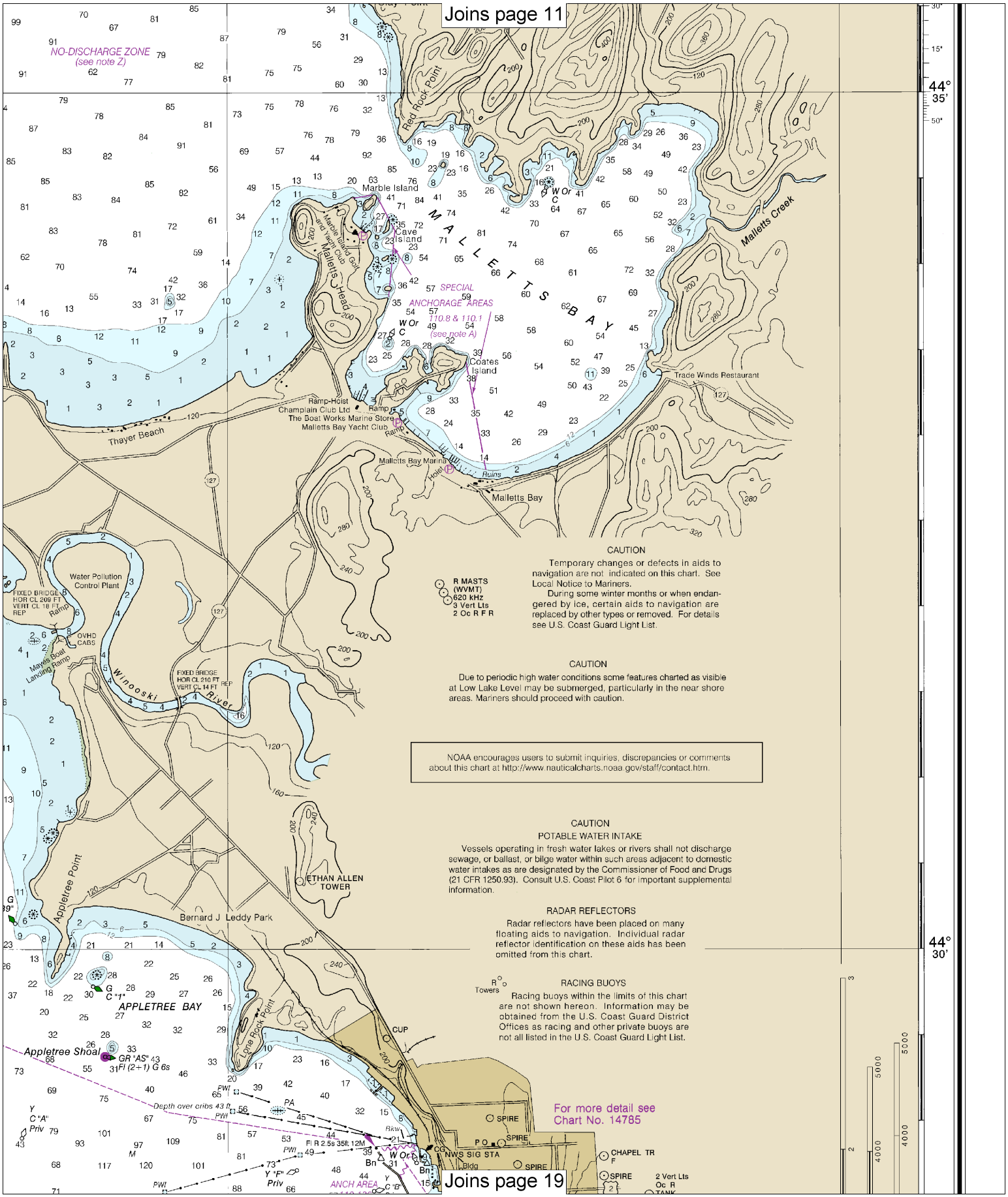


Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000



R MASTS
(WVMT)
620 kHz
3 Vert Lts
2 Oc R F R

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.

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.

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

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.

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.

R Towers

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.

For more detail see Chart No. 14785

Joins page 12

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

LAKE CHAMPLAIN - NEW YORK, VERMONT

CUMBERLAND HEAD TO FOUR BROTHERS ISLANDS

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. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.
SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1.
BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.
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.

SUPPLEMENTAL INFORMATION

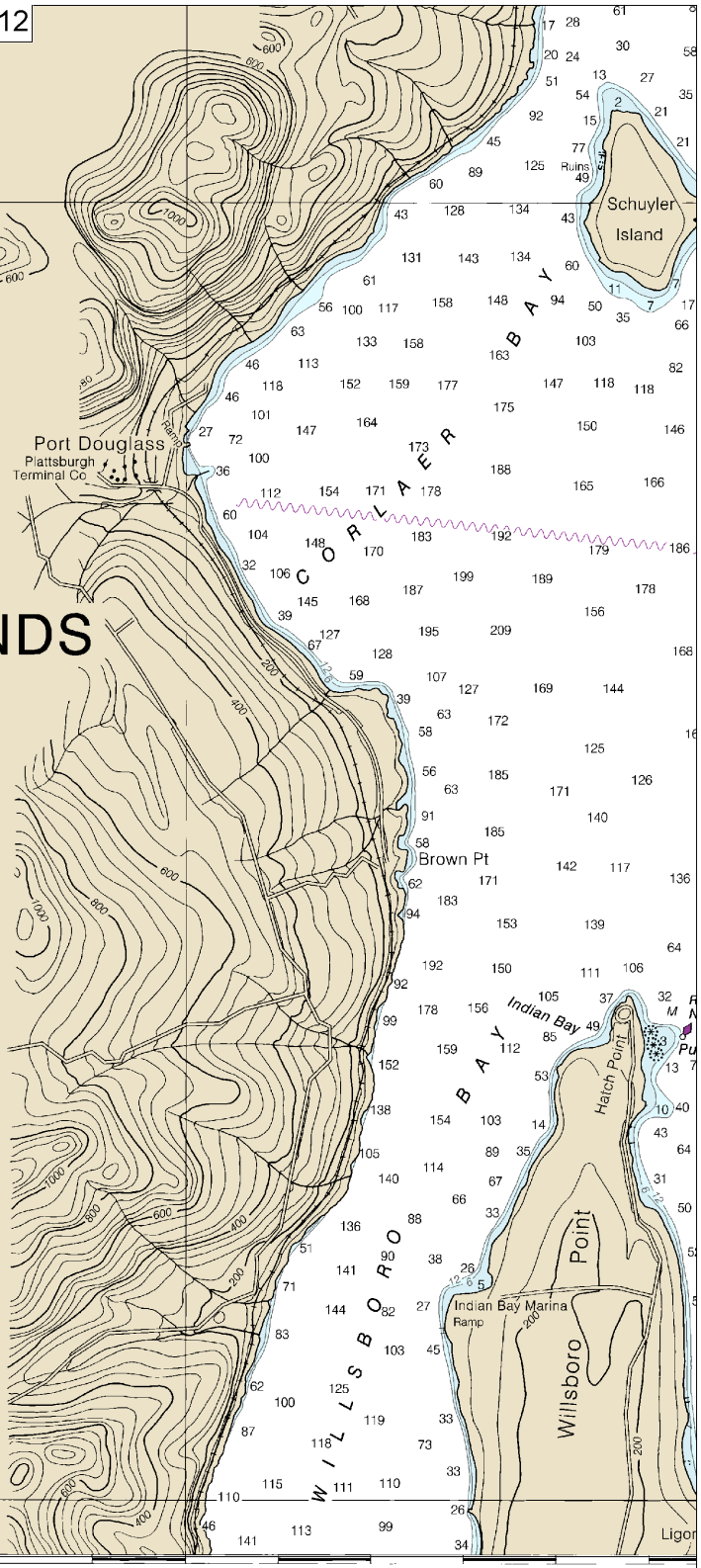
Consult U.S. Coast Pilot 6 for important supplemental information.

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, Mass., or at the Office of the District Engineer, Corps of Engineers in New York, New York.
Refer to charted regulation section numbers.

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.



25th Ed., Jan. 2006

14782

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.

SOUNDINGS IN F

Last Correction: 5/5/2016. Cleared through:
LNM: 2916 (7/19/2016), NM: 3016 (7/23/2016), CHS: 0616 (6/24/2016)

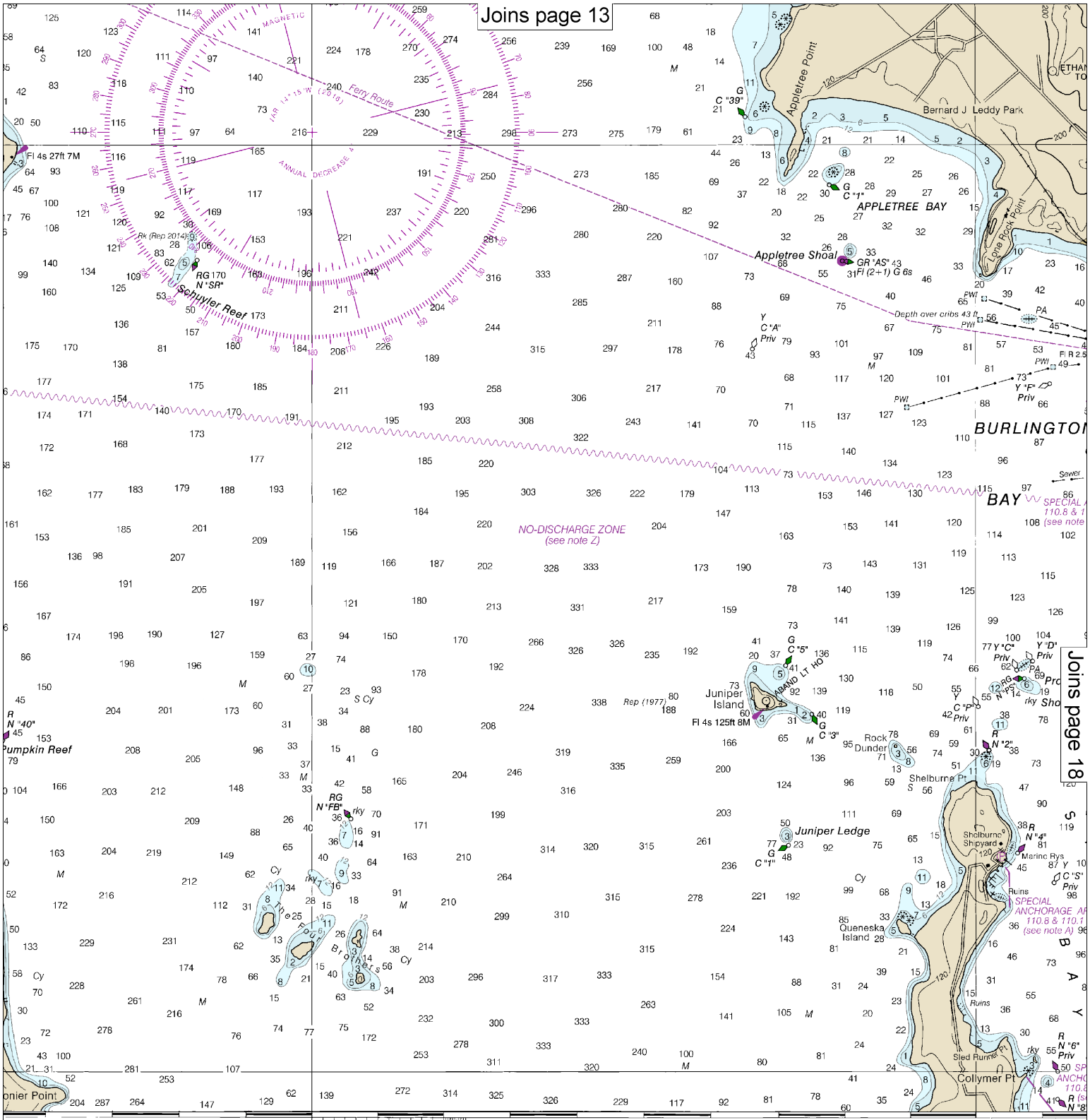
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

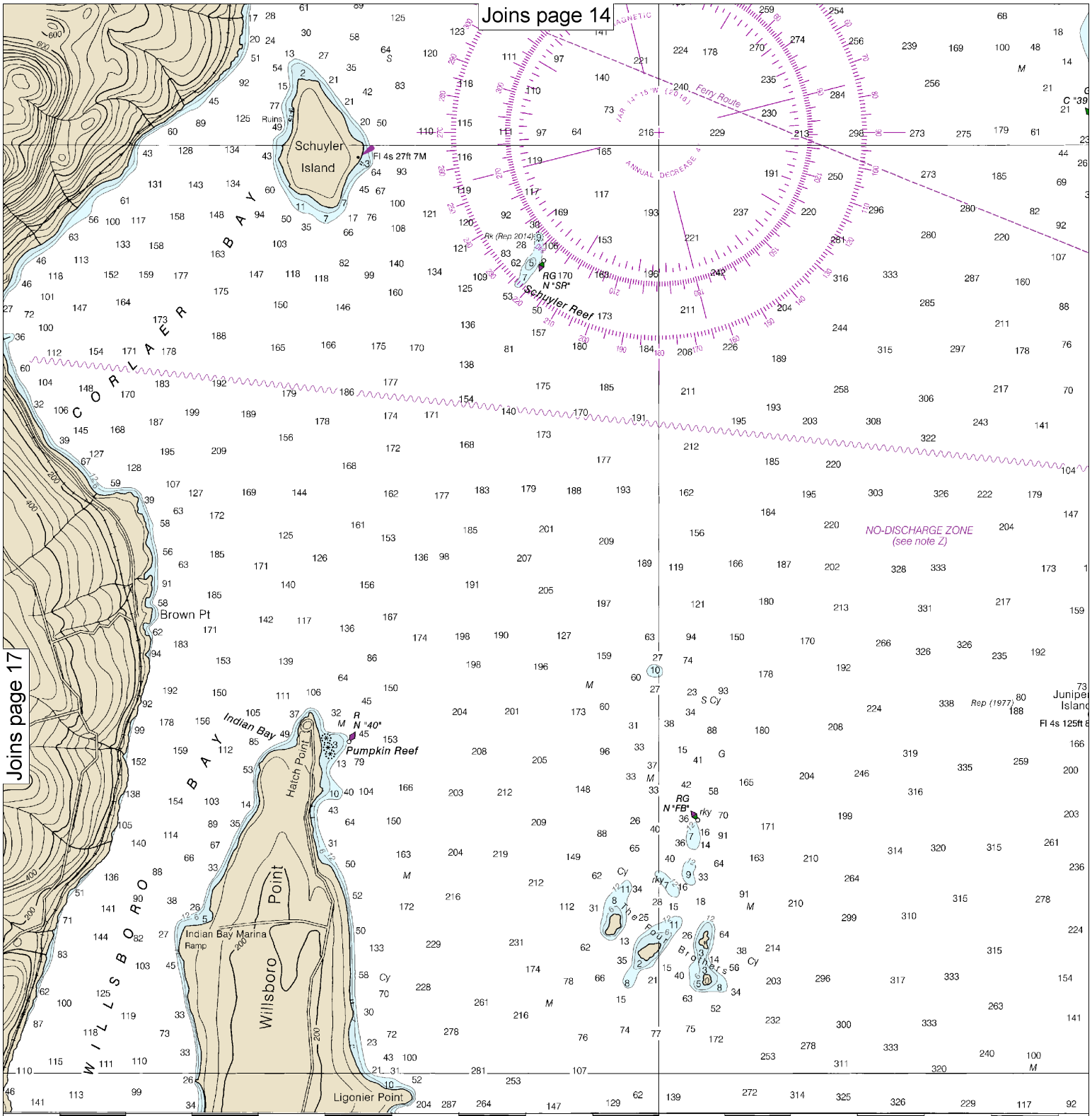
See Note on page 5.



FEET

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

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																



Intelligence
es shown in
he lower left

SOUNDINGS IN FEET

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

FATHOMS	1	2	3	
FEET	6	12	18	2
METERS	1 2 3 4 5 6 7			

Note: Chart grid lines are aligned with true north.

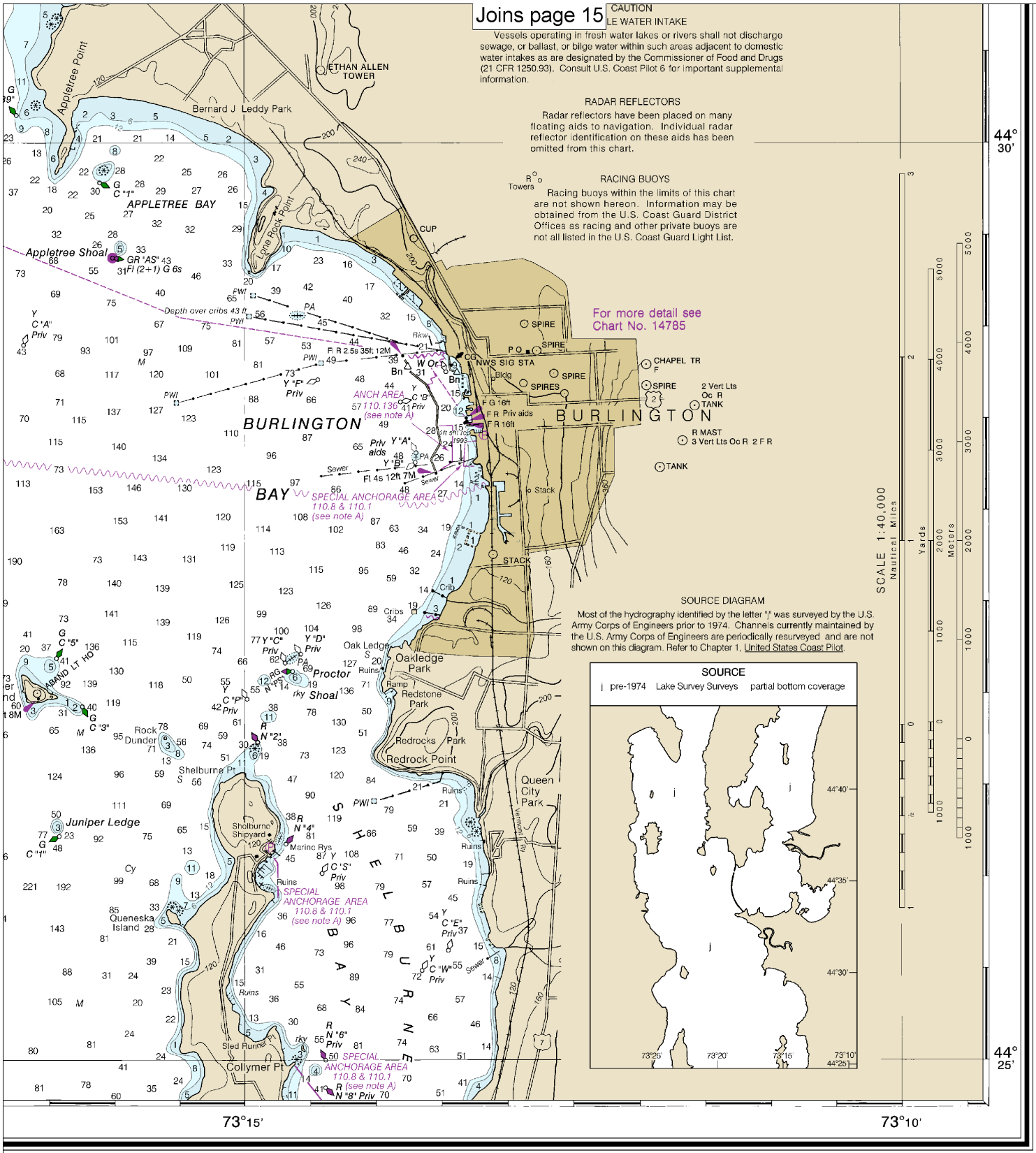
Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles

1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000



Cumberland Head to Four Brothers Islands

SOUNDINGS IN FEET - SCALE 1:40,000

14782

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**

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

Note on Printing

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