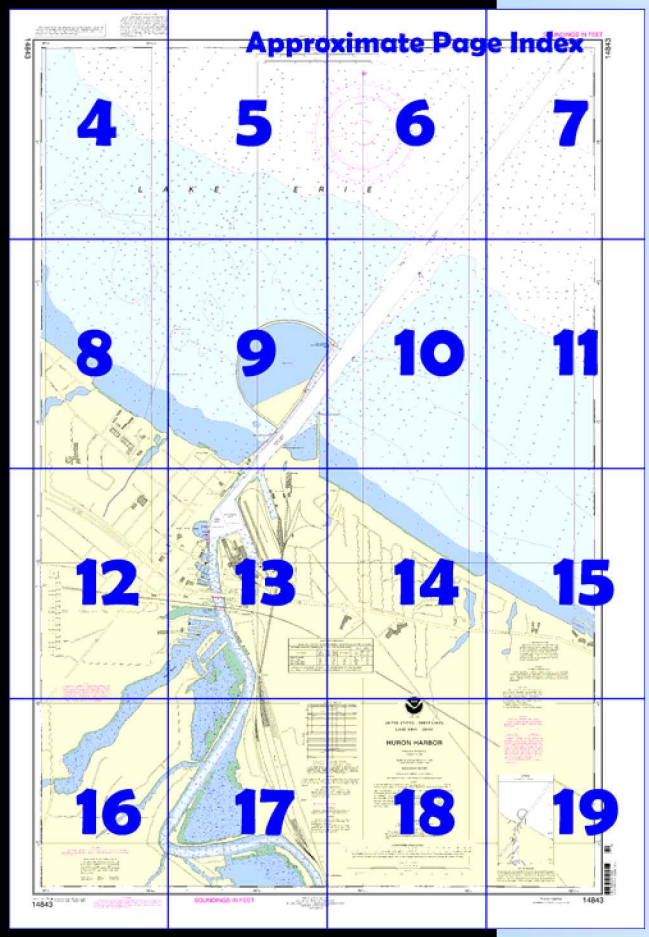
BookletChart™

Huron Harbor

(NOAA Chart 14843)



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 all Notices to Mariners*
- ☑ *United States Coast Pilot excerpts*
- ☑ *Compiled by NOAA, the nation's chartmaker.*

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NOAA
U.S. DEPARTMENT OF COMMERCE

Home Edition (not for sale)

Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
301-713-2770

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™?

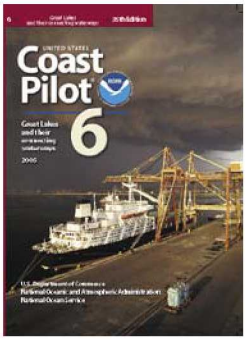
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this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



[Coast Pilot 6, Chapter 6 excerpts]
(460) **Huron Harbor** is about 44 miles W of Cleveland inside the mouth of the **Huron River** at the city of **Huron, Ohio.**
(462) An unmarked **dumping ground** with a least reported depth of 35 feet is 3 miles N of the entrance to Huron Harbor.
(464) **Huron Harbor Light** (41°24.3'N., 82°32.6'W.), 80 feet above the water, is shown from a white square pyramidal tower on the W pierhead. A fog signal is at the light.
(465) The harbor is entered through a dredged channel that leads SW from deep water in Lake Erie between a pier and an adjacent disposal area on the NW side, and a breakwater on the SE side to the mouth of the Huron River. The channel leads into the river to a turning basin with its upper end about 0.4 mile above the mouth. Buoys mark the entrance channel, and lights mark the outer end of the pier and breakwater and each side of the river mouth. Federal project depths are 29 feet in the entrance channel to the inner end of the W pier, thence 28 feet to the turning basin, thence 27 feet in the E half of the basin and 21 feet in the W half of the basin. (See Notice to Mariners and latest editions of charts for controlling depths.) Huron River is navigable by small craft for about 10 miles above the mouth.
(472) **Quarantine** is enforced in accordance with the regulations of the U.S. Public Health Service. (See Public Health Service, chapter 1.)
(473) 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.
(478) Marine supplies are available in the city. Diesel fuel and provisions are available by truck from Sandusky.
(479) Numerous small-craft facilities are on the W side of the lower mile of the Huron River. Transient berths, gasoline, diesel fuel, water, ice, electricity, sewage pump-out facilities, marine supplies, and launching ramps are available. Lifts to 20 tons are available for hull, engine, and electronic repairs.

Table of Selected Chart Notes

Pump-out facilities

Corrected through NM Feb. 28/04
Corrected through LNM Dec. 16/03

For Symbols and Abbreviations see Chart No. 1

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

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

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

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.

Toledo, OH	WXL-51	162.550 MHz
Sandusky, OH	KHB-97	162.400 MHz

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 6 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 0.190" northward and 0.342" eastward to agree with this chart.

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.

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)

Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.

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

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).

CAUTION

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

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.

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 for details.

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.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PLANE OF REFERENCE OF THIS CHART (Low Water Datum)..... 569.2 ft.
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

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

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.

HURON HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2008 AND REPORTS TO MAY 2007

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL	13.6	16.5	17.4	7-08	400-300	1.70	29.0
HURON RANGE	13.1	15.9	17.0A	7-08	300-150	.36	28.0
EAST TURNING BASIN	20.9	20.4	21.2	7-08	150-350		27.0
WEST TURNING BASIN	15.1	11.5	11.4	7-08	450		21.0

A. SHOAL TO 7.6 FT FOR OUTSIDE 50 FT OF QUARTER FROM 41°23'51.8"N/82°33'00.2"W TO 41°23'56.9"N/82°32'54.3"W

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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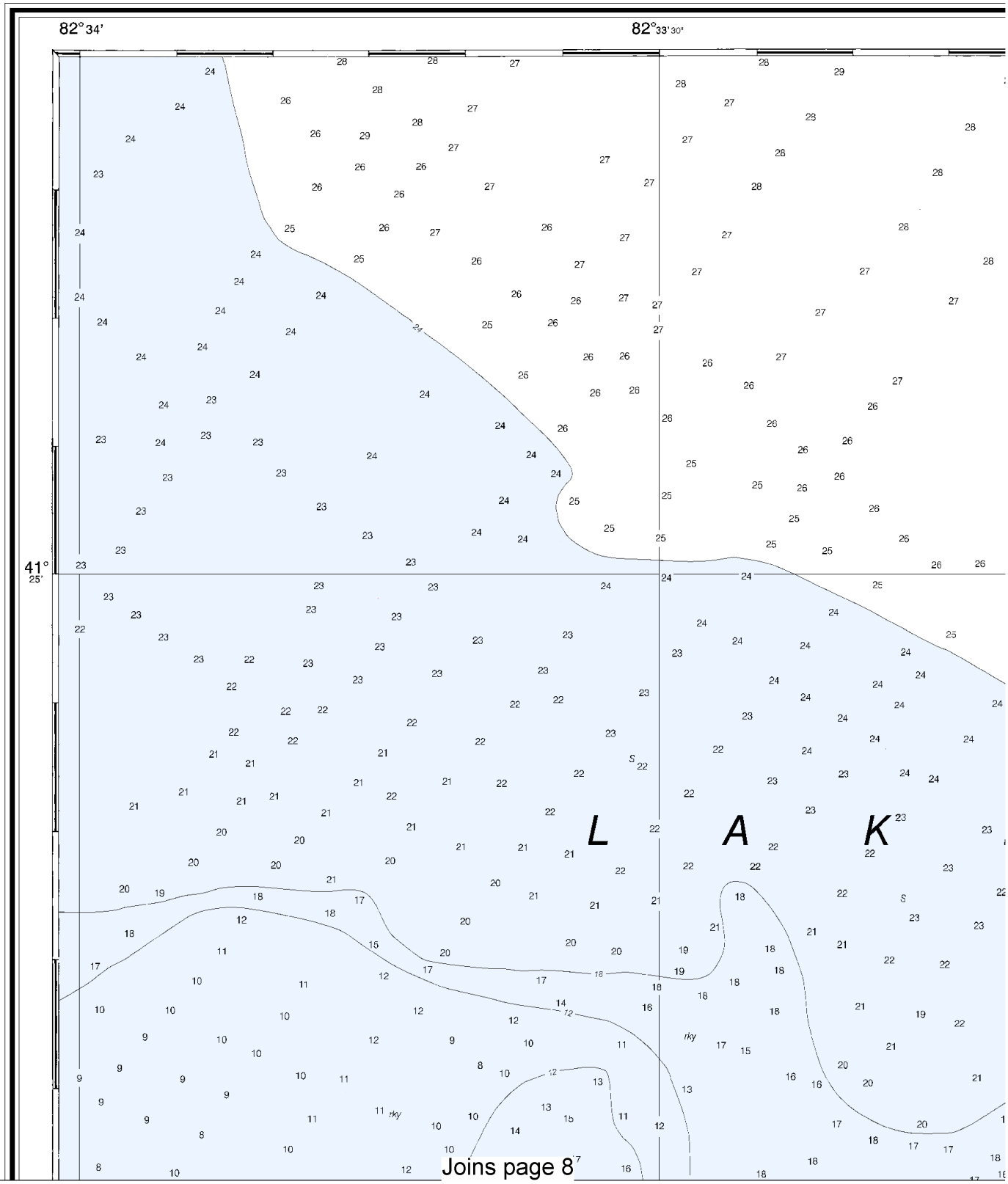
14843



4

North

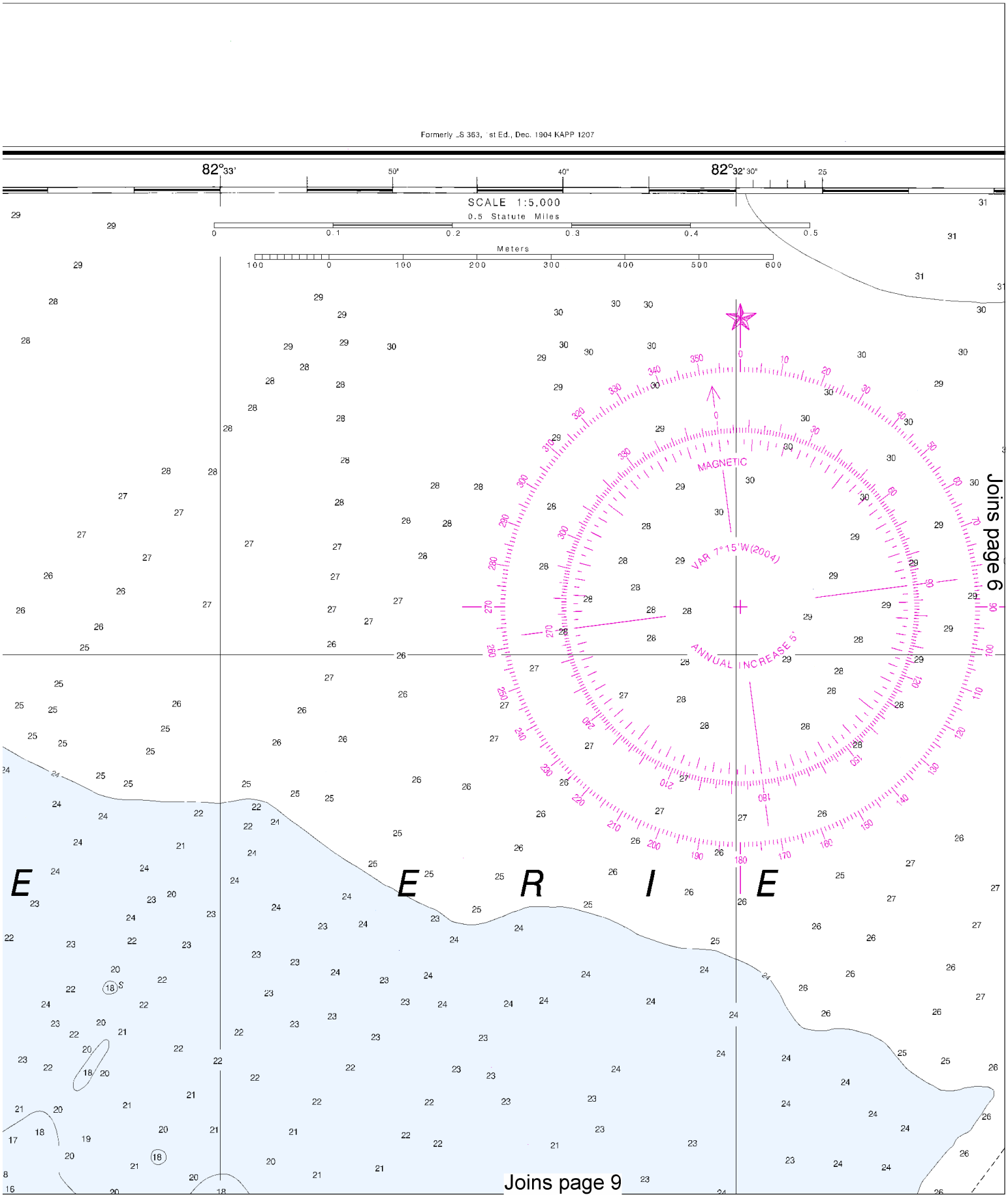
Printed at reduced scale. ~~SCALE 1:5,000~~ See Note on page 5.

0.5 Nautical Miles

0 0.1 0.2 0.3 0.4 0.5

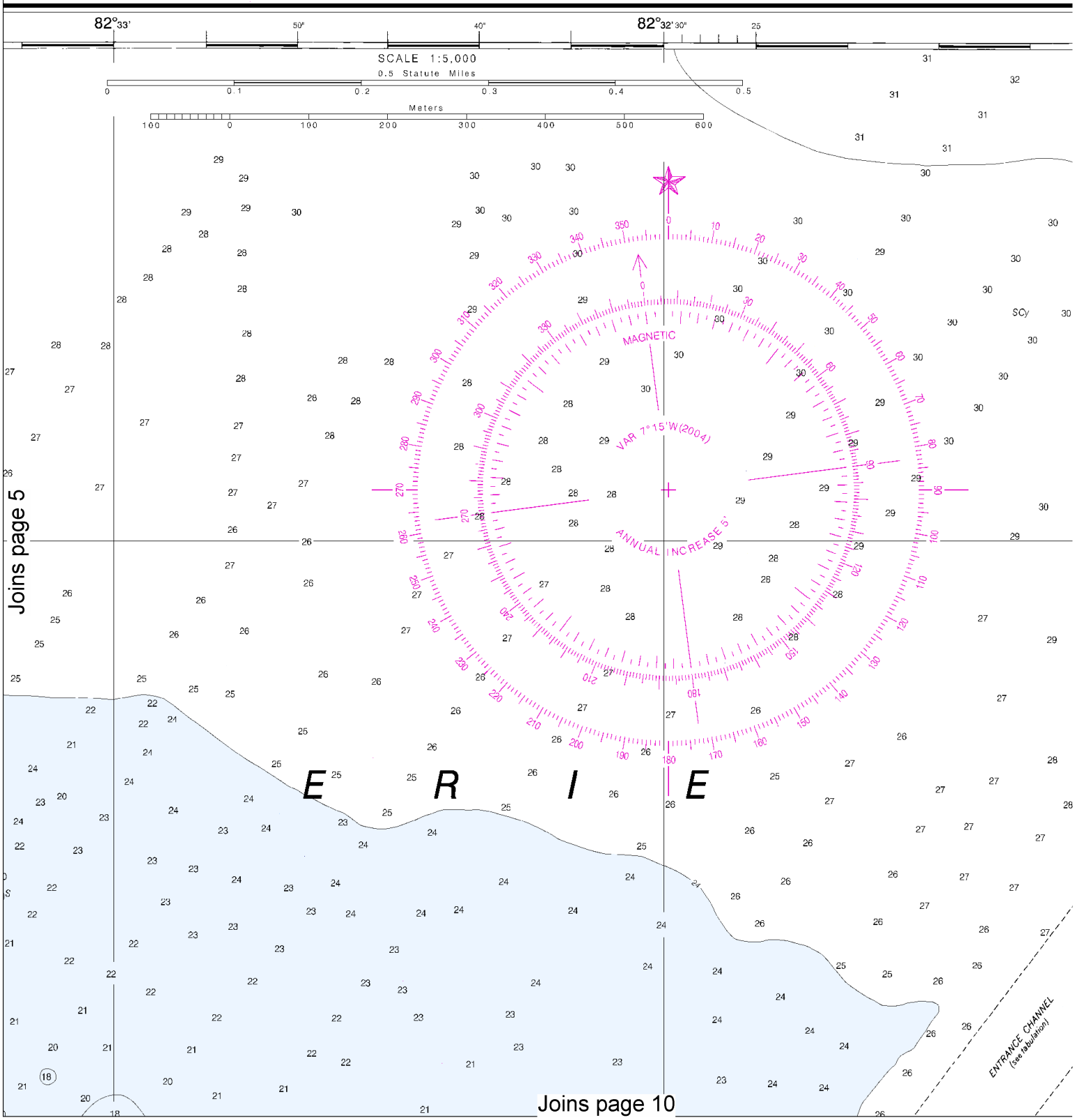
Yards

100 0 100 200 300 400 500 600



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:6667. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

Formerly _S 363, _st Ed., Dec. 1904 KAPP 1207



6

North

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

0.5 Nautical Miles

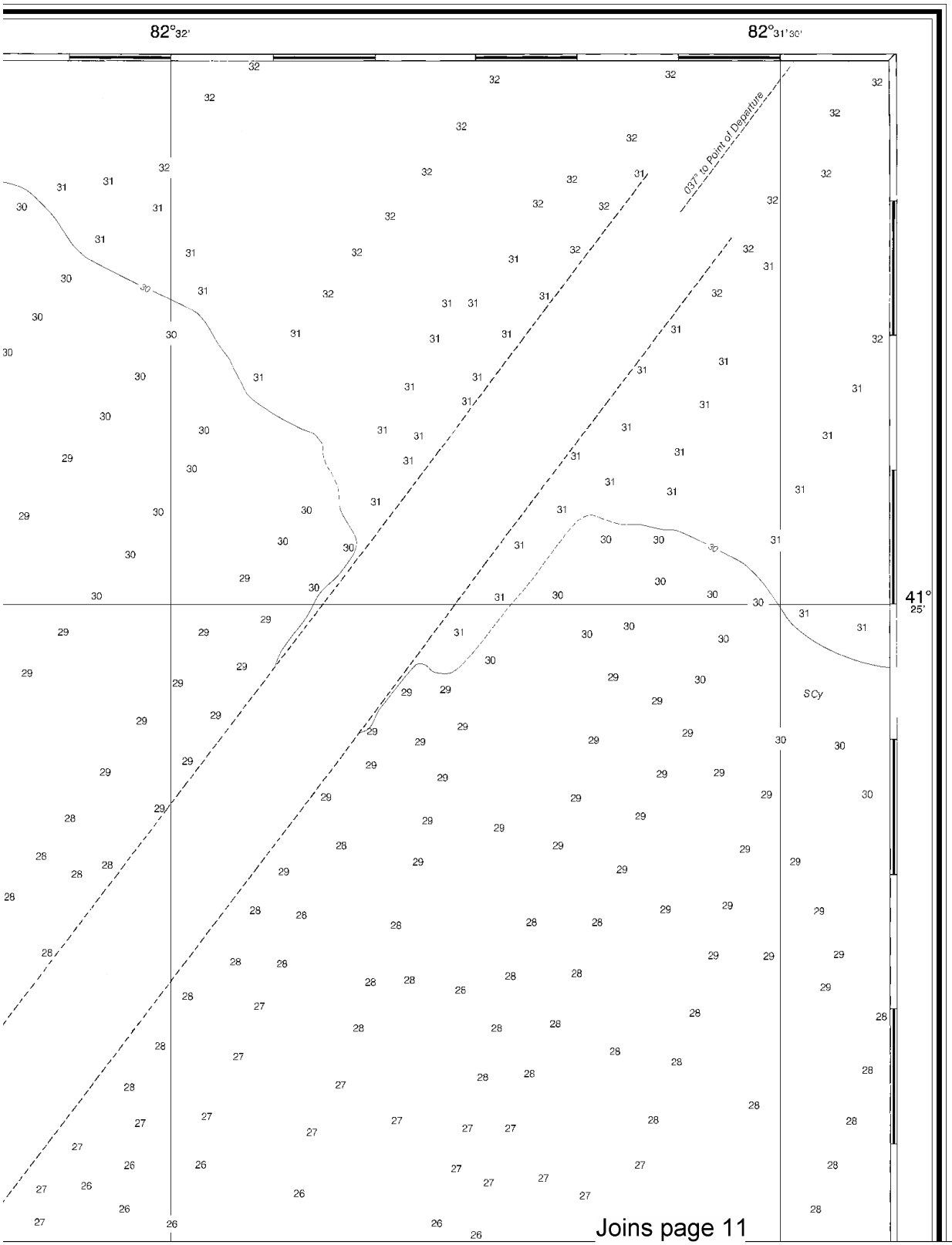
0 0.1 0.2 0.3 0.4 0.5

Yards

100 0 100 200 300 400 500 600

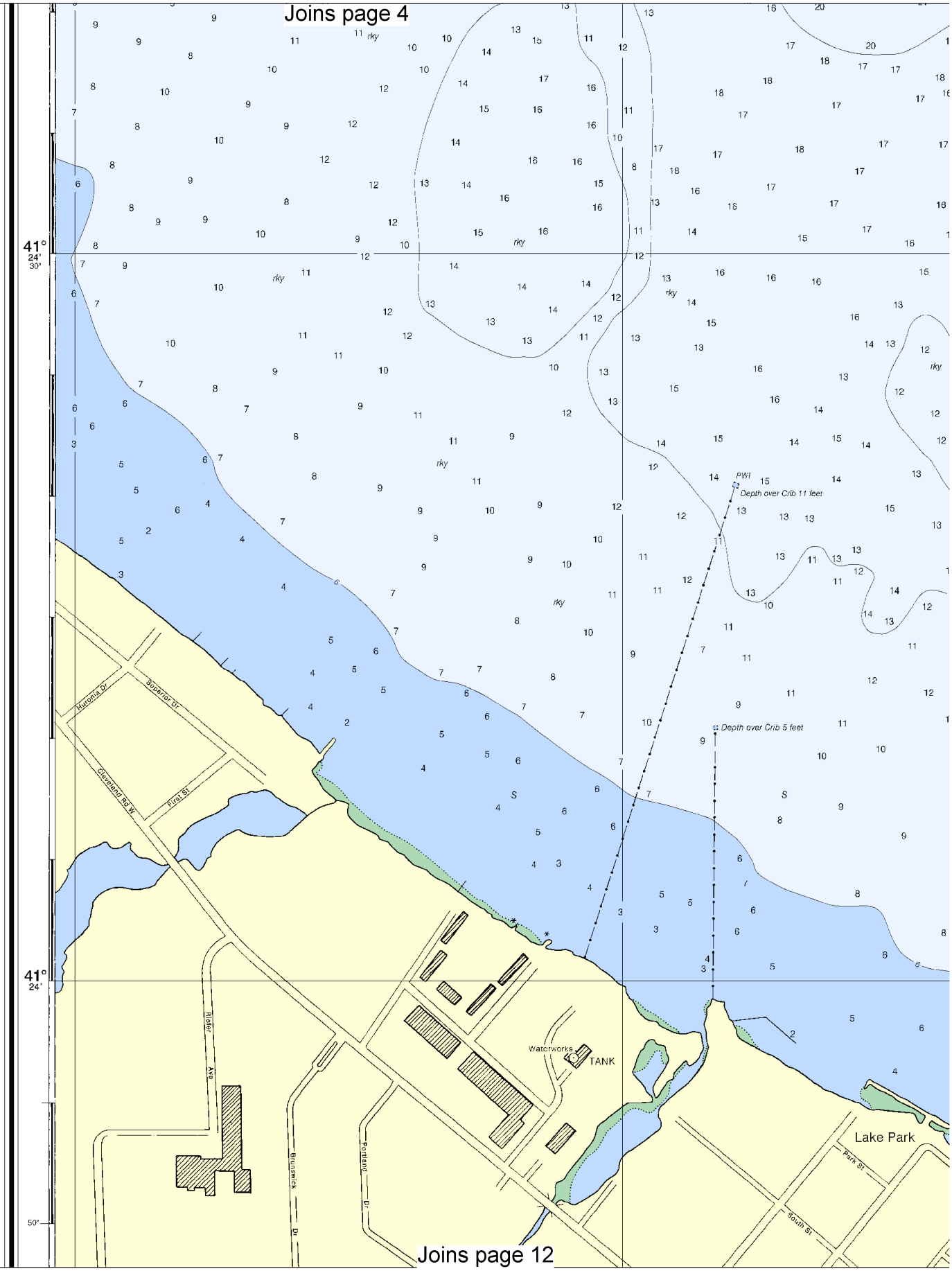
SOUNDINGS IN FEET

14843



Joins page 11

This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0710 2/16/2010,
NGA Weekly Notice to Mariners: 0910 2/27/2010,
Canadian Coast Guard Notice to Mariners: 0110 1/29/2010.



North

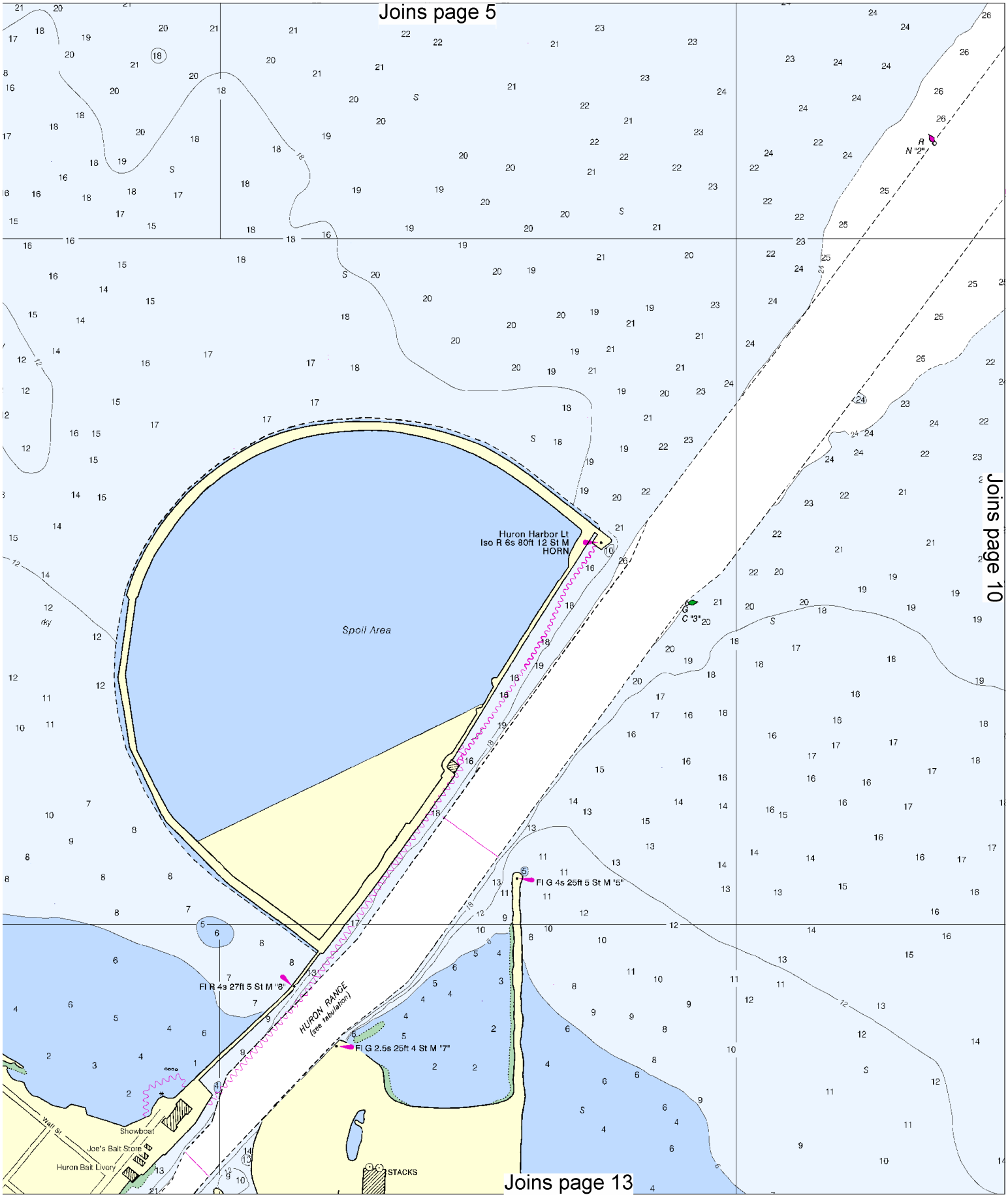
Printed at reduced scale. ~~SCALE 1:5,000~~ See Note on page 5.

0.5 Nautical Miles

0 0.1 0.2 0.3 0.4 0.5

Yards

100 0 100 200 300 400 500 600


Joins page 5
Joins page 10
Joins page 13
Huron Harbor Lt
Iso R 6s 80ft 12 St M
HORN
Spoil Area
R
N "2"
G
C "3"
Fl G 4s 25ft 5 St M "5"
Fl R 4s 27ft 5 St M "8"
HURON RANGE
(see tabulation)
Fl G 2.5s 25ft 4 St M "7"
Wall St
Showboat
Joe's Bait Store
Huron Bait Livery
STACKS

Joins page 6

Joins page 9

Huron Harbor Lt
Iso R 6s 80ft 12 St M
HORN

Spoil Area

ENTRANCE CH
(see tabulation)

R
N "2"

G "1"
Fl G 6s

G
C "3"

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(see tabulation)

Fl G 2.5s 25ft 4 St M "7"

Showboat

STACKS

Joins page 14

North

Printed at reduced scale. ~~SCALE 1:5,000~~

0.5 Nautical Miles

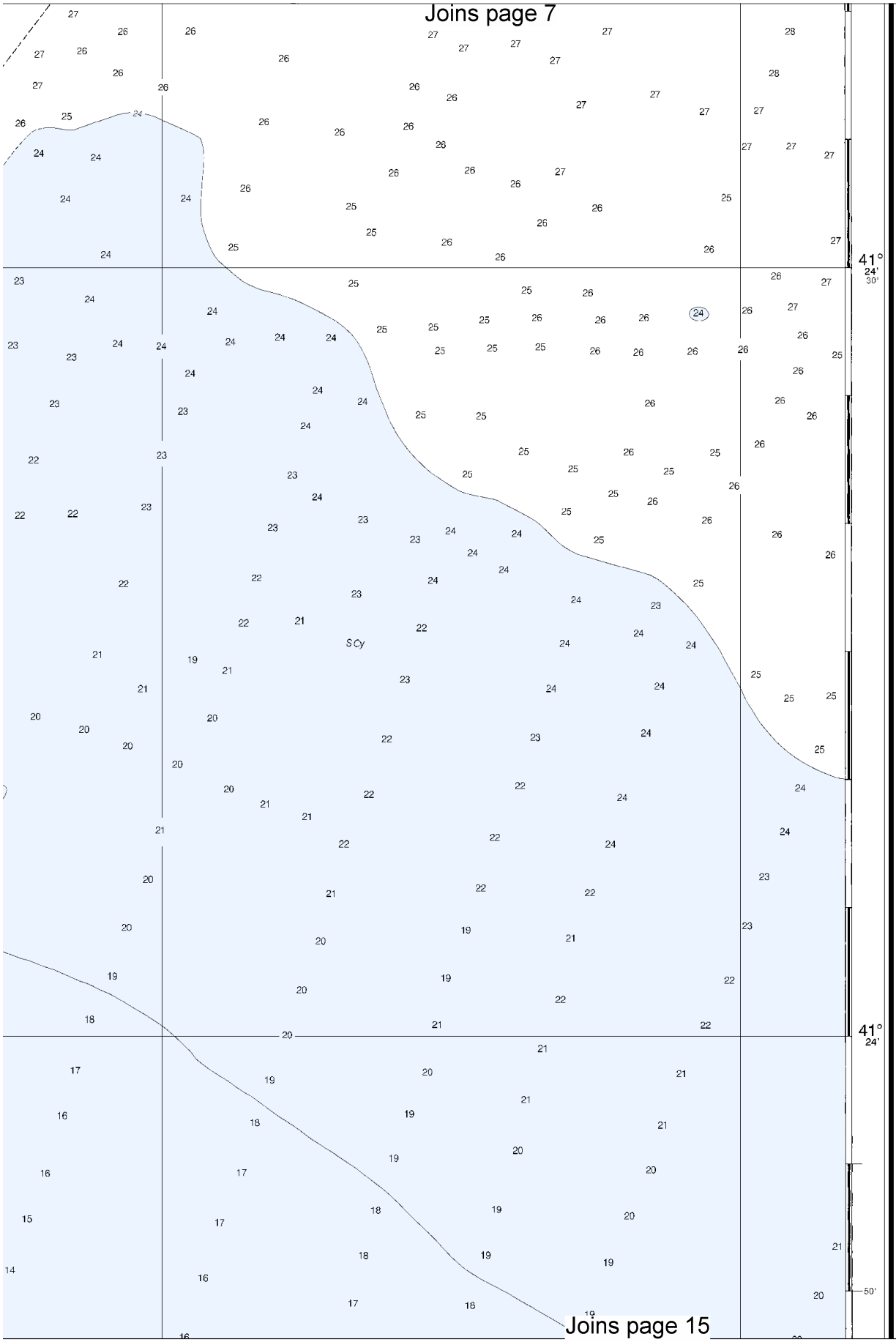
0 0.1 0.2 0.3 0.4 0.5

Yards

100 0 100 200 300 400 500 600

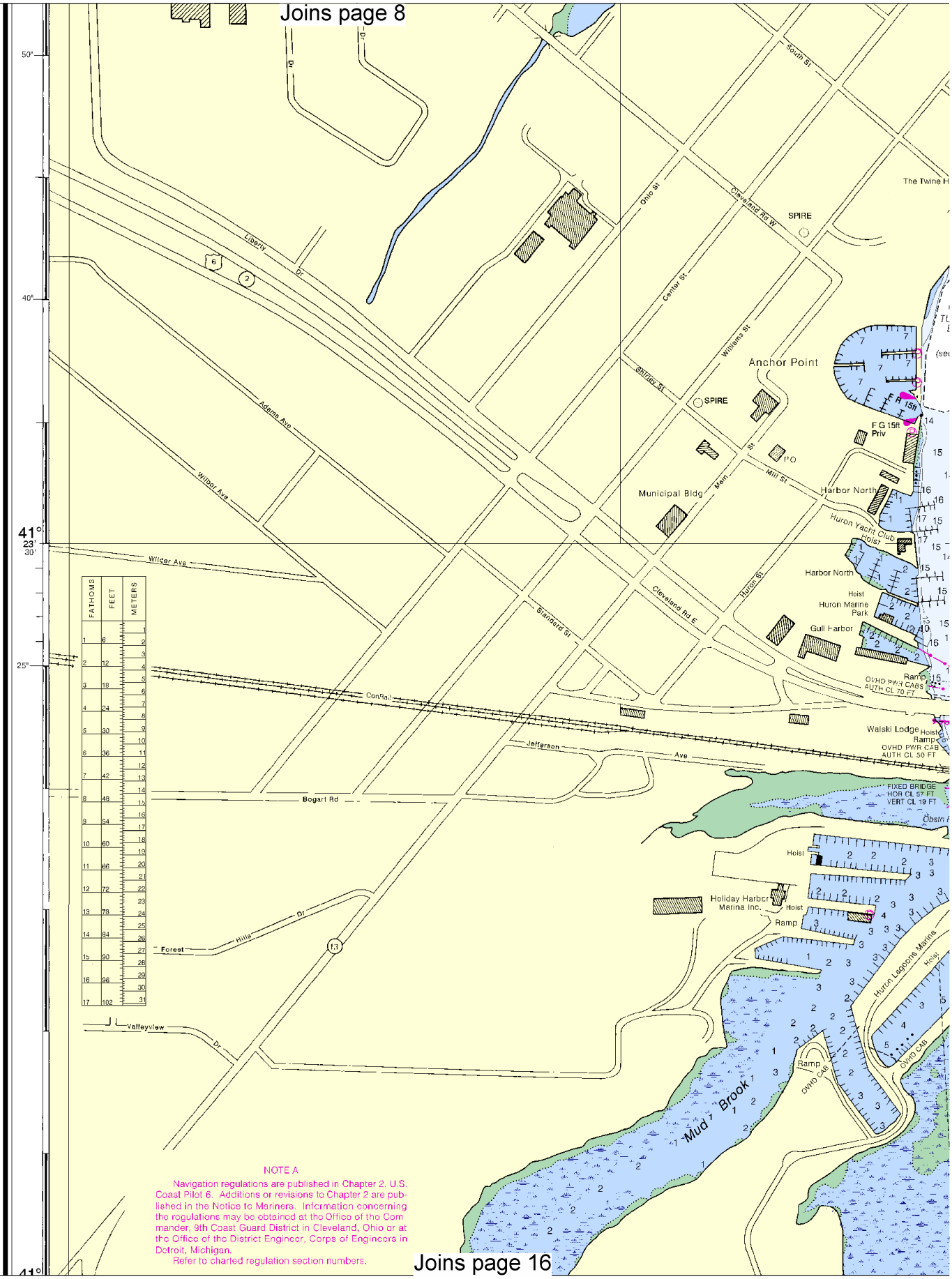
See Note on page 5.

Joins page 7



Joins page 15

Joins page 8



Joins page 16

North

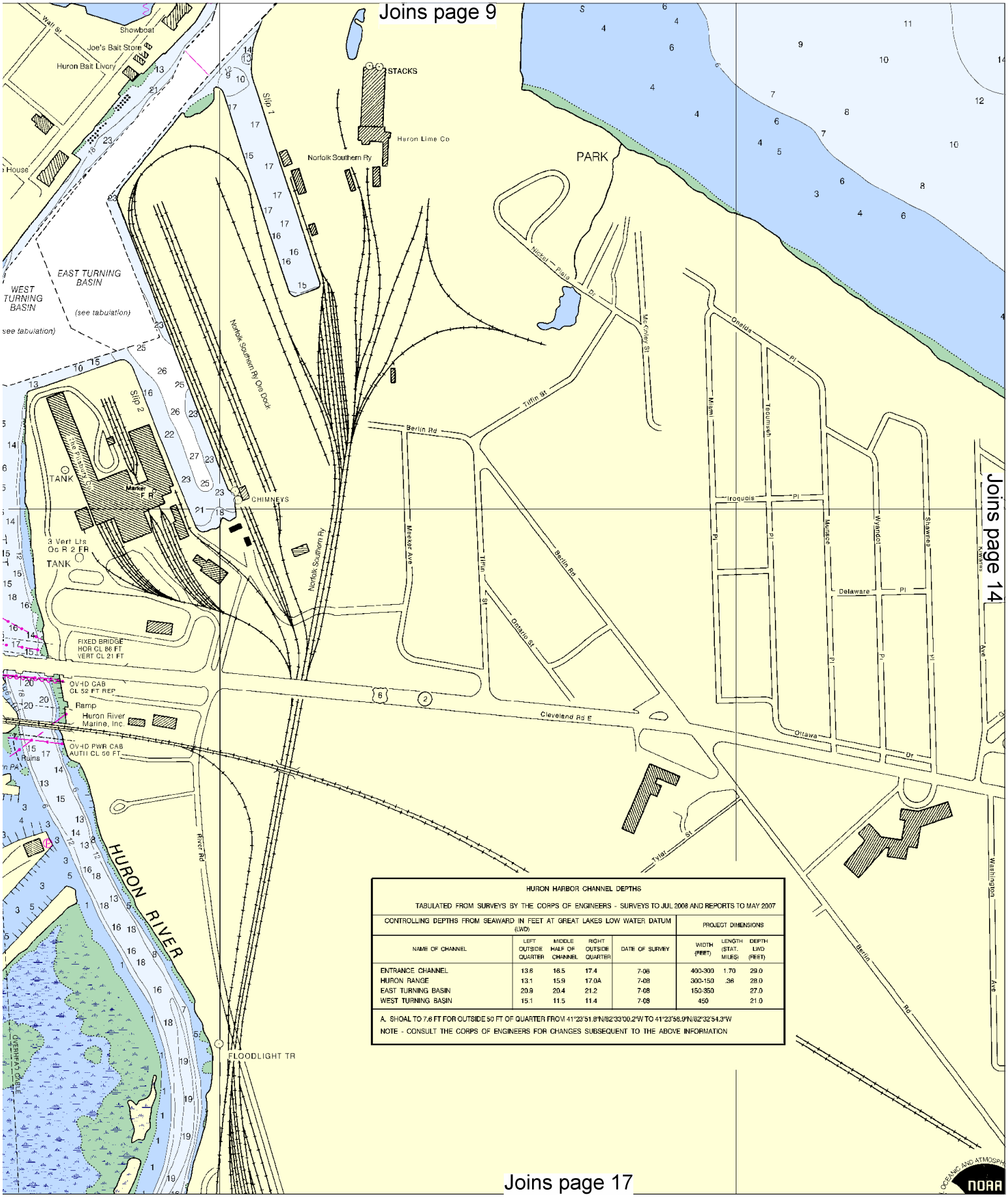
Printed at reduced scale. ~~SCALE 1:5,000~~ See Note on page 5.

0.5 Nautical Miles

0 0.1 0.2 0.3 0.4 0.5

Yards

100 0 100 200 300 400 500 600



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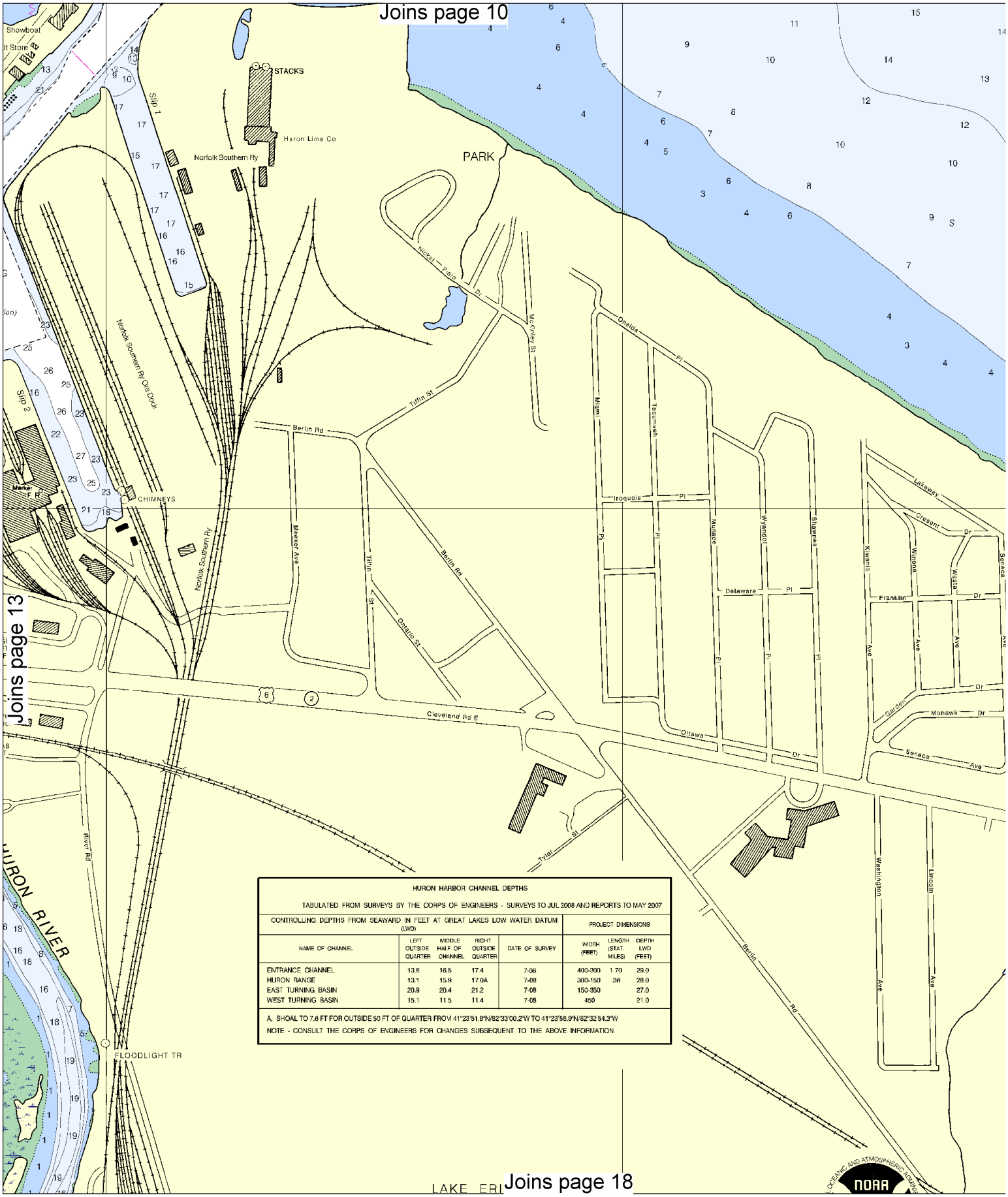
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Joins page 10

Joins page 13



Joins page 18

HURON HARBOR CHANNEL DEPTHS

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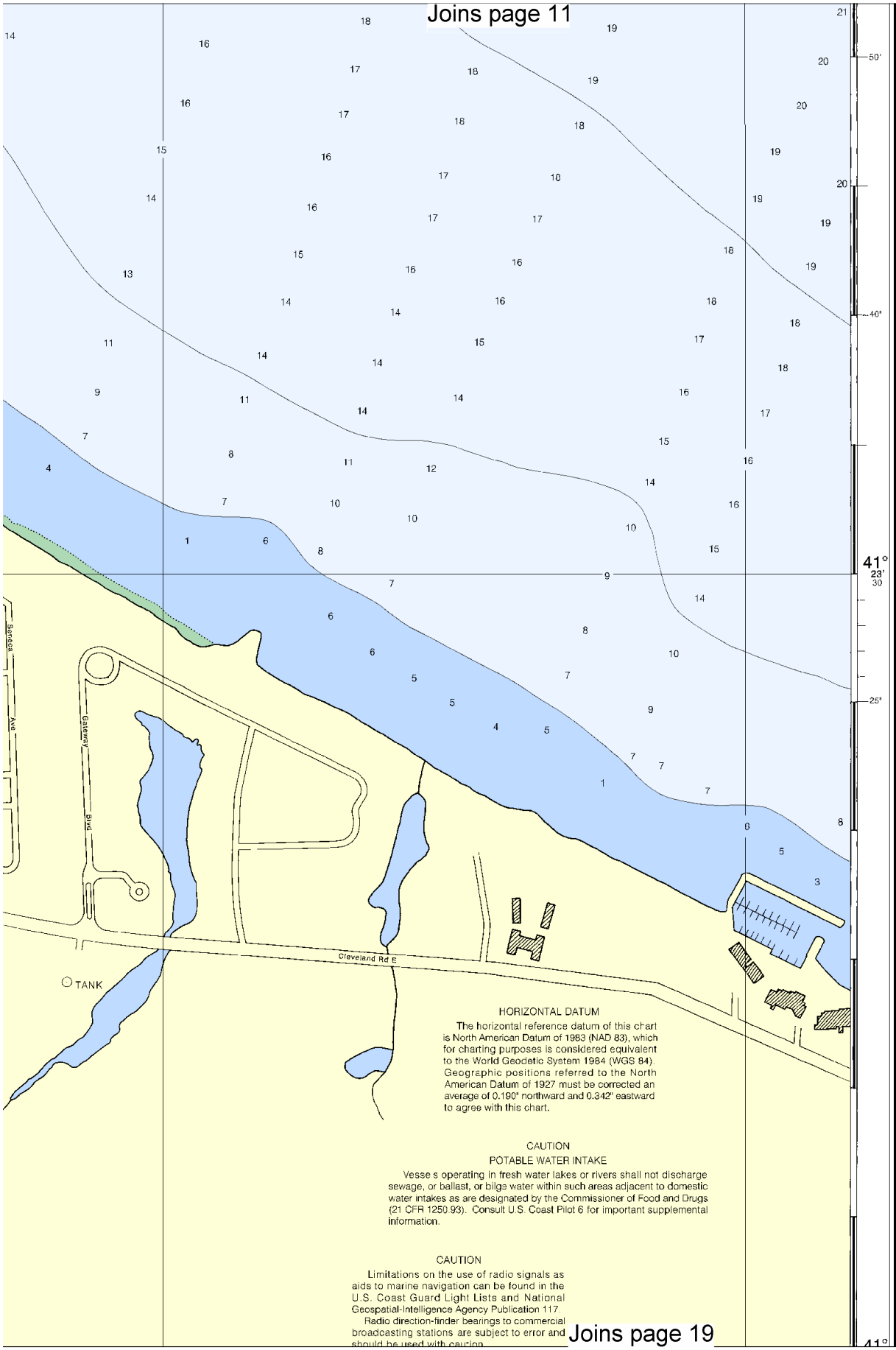
North

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

0.5 Nautical Miles: 0 0.1 0.2 0.3 0.4 0.5

Yards: 100 0 100 200 300 400 500 600

Joins page 11



HORIZONTAL DATUM

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CAUTION

POTABLE WATER INTAKE

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CAUTION

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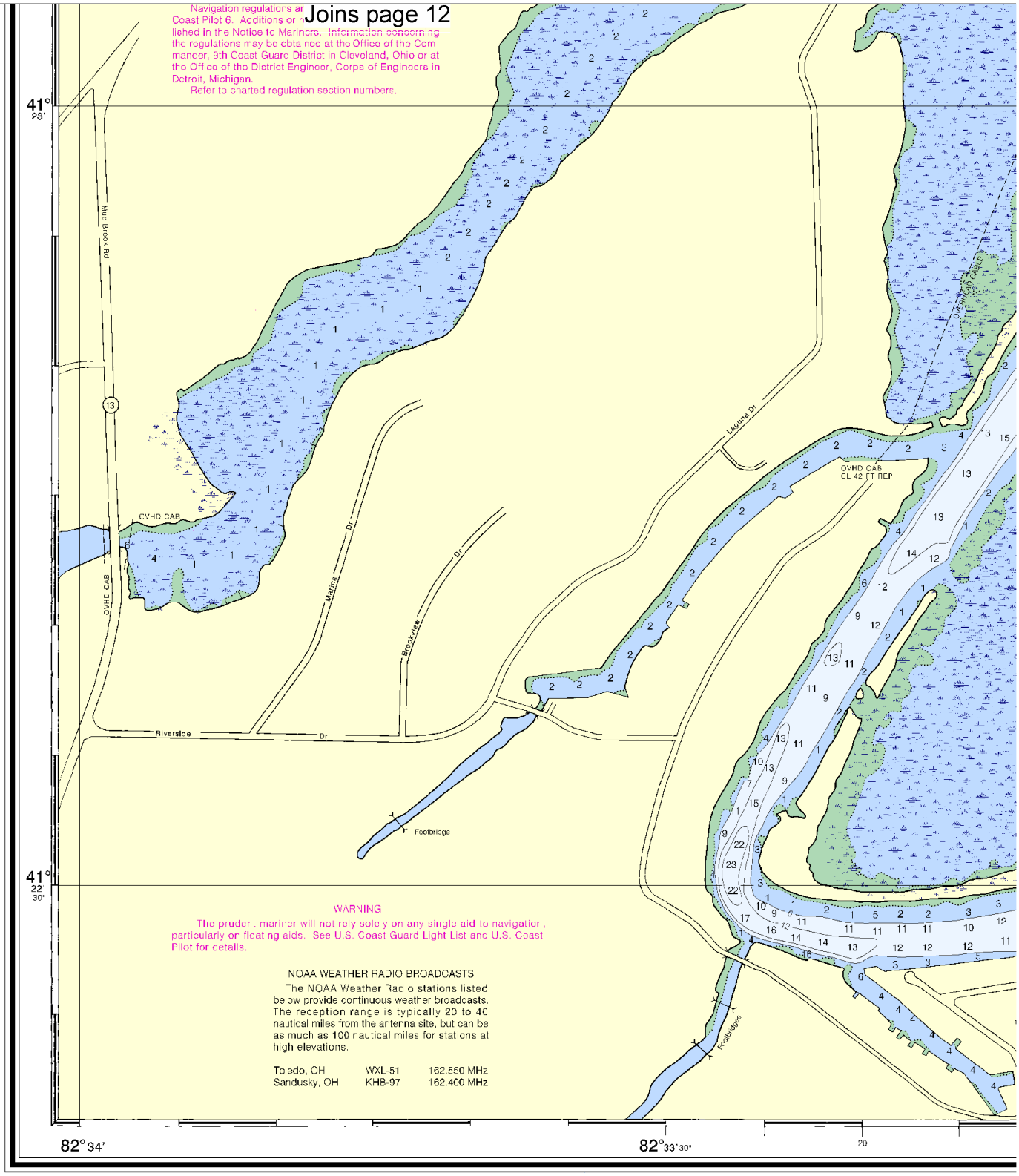
Joins page 19



23rd Ed., Feb. / 04 ■ Corrected through NM Feb. 28/04
Corrected through LNM Dec. 16/03

14843

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SOUND

North

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

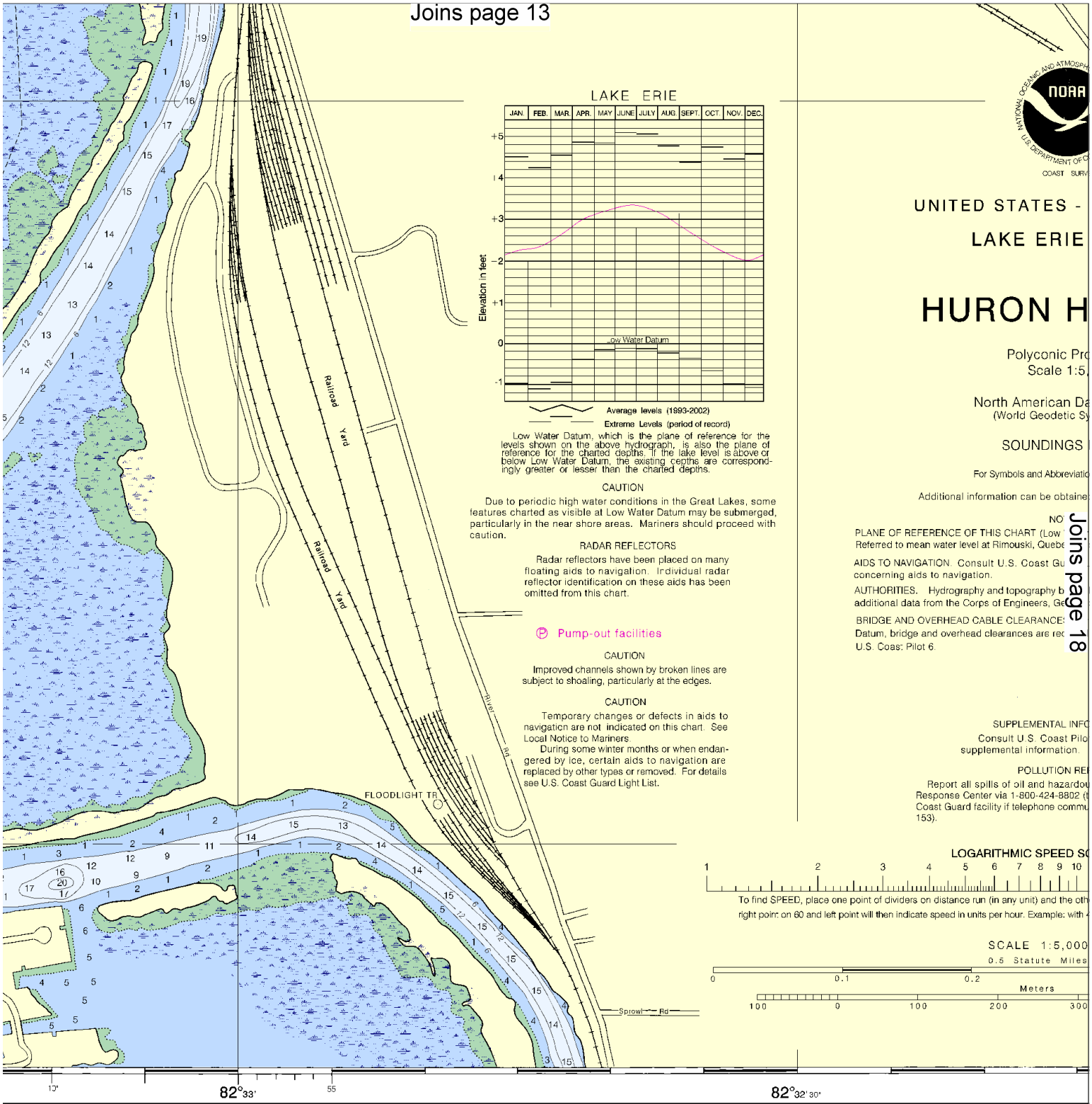
0.5 Nautical Miles

0 0.1 0.2 0.3 0.4 0.5

Yards

100 0 100 200 300 400 500 600

Joins page 13



Joins page 18

DINGS IN FEET

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

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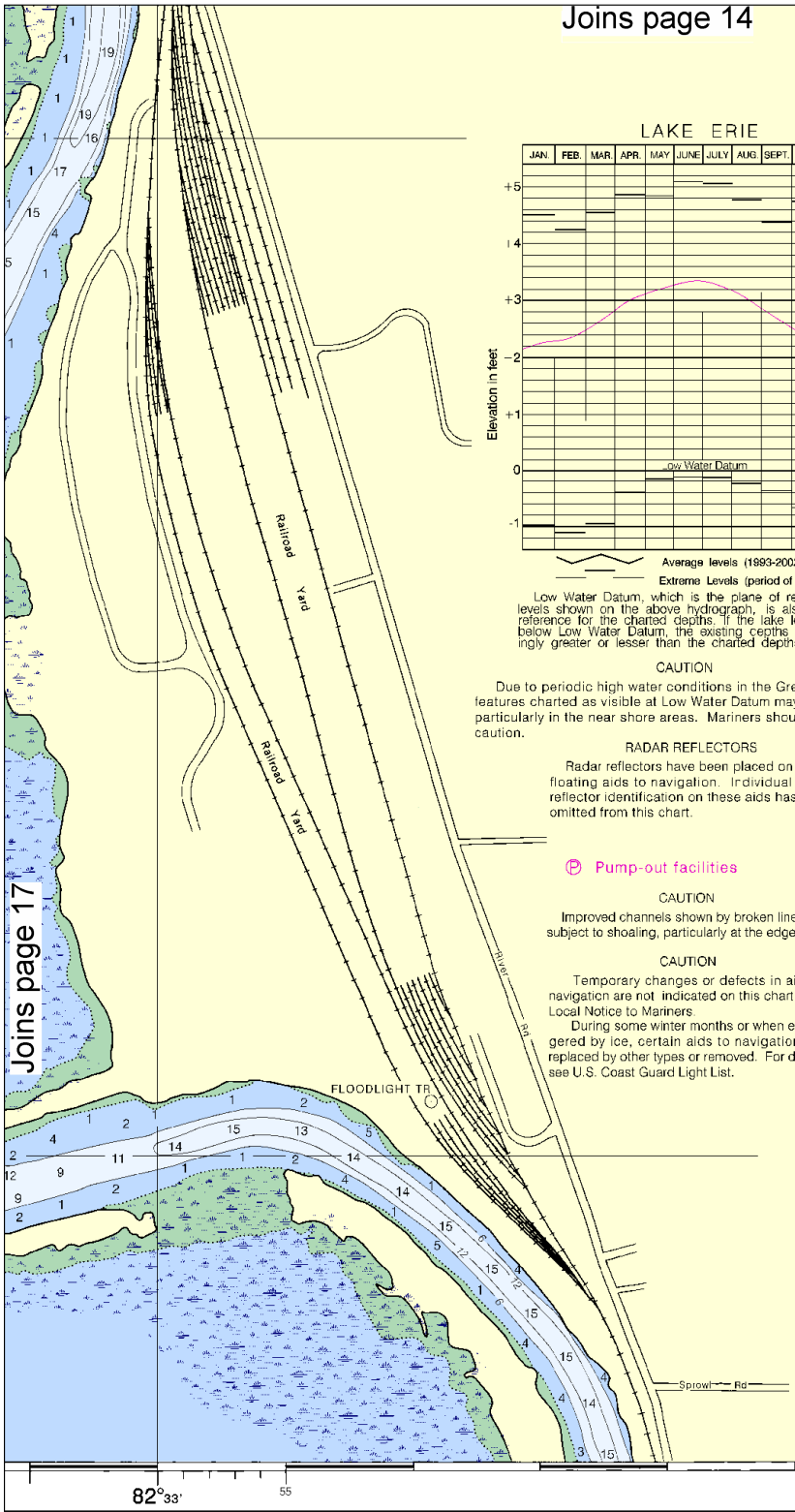
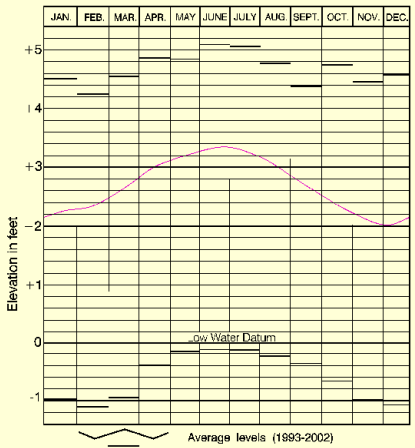
Joins page 17



LAKE ERIE



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Ⓟ Pump-out facilities

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

CAUTION

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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.

UNITED STATES - GREAT LAKE

LAKE ERIE - OHIO

HURON HARBOR

Polyconic Projection
Scale 1:5,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET

For Symbols and Abbreviations see Chart No. 1

Additional information can be obtained at nauticalcharts.noaa.go

NOTES

PLANE OF REFERENCE OF THIS CHART (Low Water Datum).....
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datun

AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental concerning aids to navigation.

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

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is abov Datum, bridge and overhead clearances are reduced correspondingly. For cleara U.S. Coas: Pilot 6.

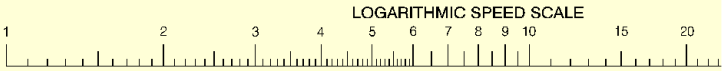
SUPPLEMENTAL INFORMATION

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

POLLUTION REPORTS

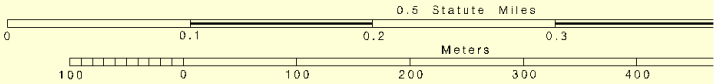
Report all spills of oil and hazardous substances to the Natior Response Center via 1-800-424-8802 (toll free), or to the nearest U. Coast Guard facility if telephone communication is impossible (33 CF 153).

LOGARITHMIC SPEED SCALE



To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without ch right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minu

SCALE 1:5,000

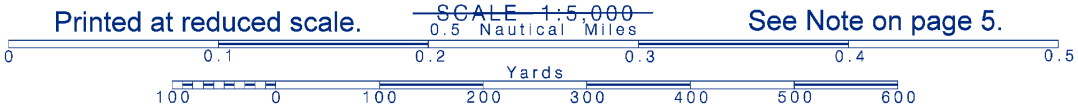


N FEET

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

North

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



Joins page 15

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)

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.

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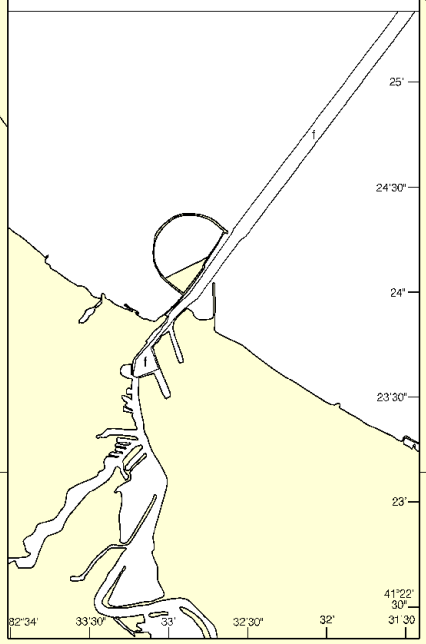
41° 22' 30"

82°32'

82°31'30

SOURCE

f US Government Surveys



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.

ED. NO. 23

NSN 7642014010664

NGA REFERENCE NO. 14XHA14843

Huron Harbor

SOUNDINGS IN FEET - SCALE 1:5,000

14843

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 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.
Coast Guard Search & Rescue (RCC) – 216-902-6117
Coast Guard Search & Rescue (Detroit) – 313-568-9524 or 313-568-9560

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

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.

NOAA, The Nation's Chartmaker

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Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENCs®) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNCs™) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts™ – BookletCharts™ are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts™ – PocketCharts™ are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot® – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.