



NOAA
Coast Survey

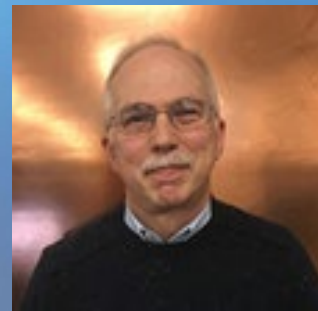
NOAA Custom Chart 2.0

Webinar ~ April 19, 2023



Christie Ence
Chief, Chart Standards Group

Office of Coast Survey
Marine Chart Division



Colby Harmon
Cartographer / Project Manager

Questions

Use the *Questions Window*
to enter any questions during the webinar.

Questions will be answered *at the end*.

Don't use the Chat!

Comments or questions in Chat will not be addressed.



NOAA
Coast Survey

NOAA Custom Chart 2.0

Webinar recording and other materials

www.nauticalcharts.noaa.gov/about/nav-cast.html

- Presentation Slides
- Video Recordings
- Transcripts

- NOAA Custom Chart control panels
- Electronic Navigational Chart (ENC) usage bands
- Setting a safety contour and depth shading
- **NOAA Custom Chart Application Demo**
- Upcoming Enhancements
- Paper sizes and chart scale
- Users guides and customer feedback
- Questions







Help Documentation

Use these links to open the two-page Quick Start Guide or the detailed-instructions in the User Guide. U.S. Chart No. 1 describes the meaning of symbols used on nautical charts.

 Quick Start Guide

 User Guide

 Creating a Custom Chart and a Personal Chart Catalog (12.23)

 Legend (U.S. Chart No. 1)

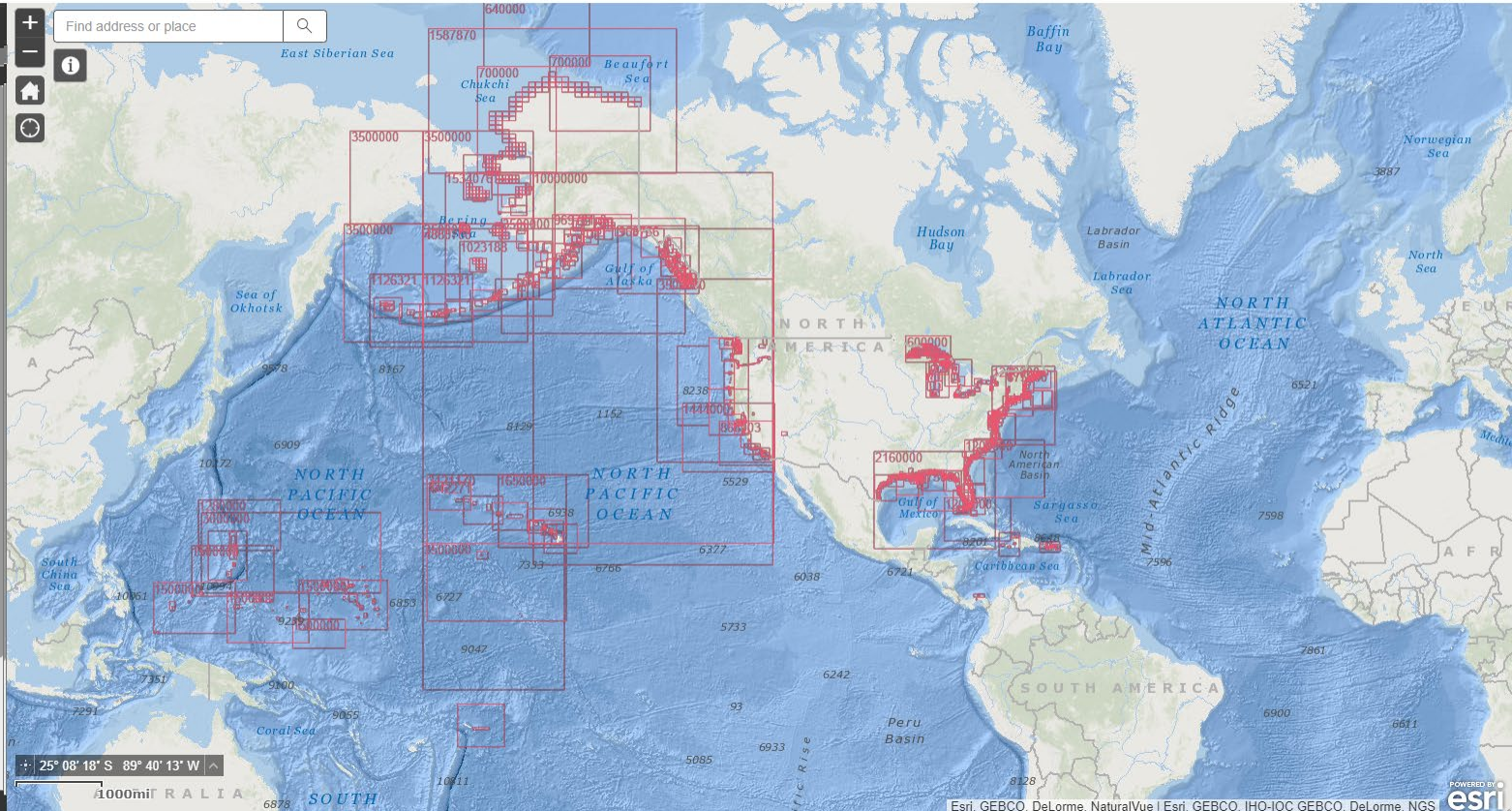
New in NOAA Custom Chart Version 2.0

Enhancements

- Added Personal Chart Catalog functionality
 - Enables users to save their own custom chart parameters for later use.
 - Enables users to share their custom chart parameters with others.
 - Enables users to reload saved chart parameters to recreate charts with newly updated information.
- Streamlined user interface with clearer icons and descriptions for each step.
- Modified additional symbology to emulate paper chart.
- New 36" x 48" Plotter page size.

Bug Fixes

- Fixed error creating portrait orientation ANSI C size charts.














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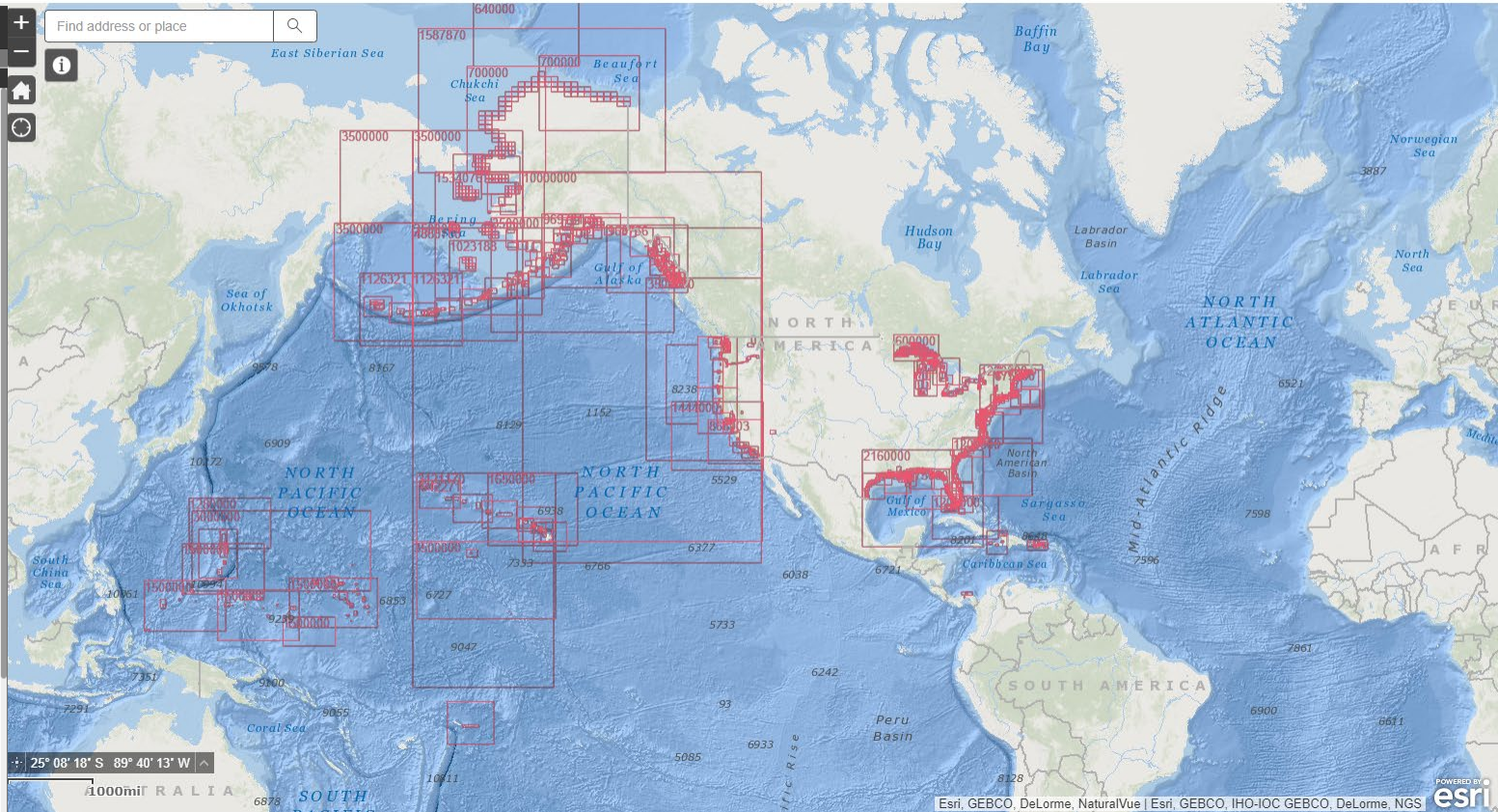
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Quick Start Guide
 User Guide

Creating a Custom Chart and a Personal Chart Catalog (12.23)

Legend (U.S. Chart No. 1)

New in NOAA Custom Chart Version 2.0 Enhancements

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Bug Fixes

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Layer Settings

Use these checkboxes to restrict the chart data used for your chart to specific intended use categories. Check "All Datasets" to allow the application to choose the best available data for your chart. For a detailed description of data extents and intended uses, please refer to the [User Guide](#).

Data extents: On

Data extent text: Scale

Intended uses:

- ☒ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☐ Harbour
- ☐ Berthing

Honor SCAMIN: On

Compass roses: On

Chart Settings

Use these settings to enter your chart parameters. More information about chart scale, depth zone shades and other settings is in the [User Guide](#).

Name: Custom Chart

Scale: 25000

Page size: ANSI D (22in x 34in)

Orientation: Portrait

Depth units: Feet

Depth zones: Four

Depth zone shades:

Shallow:	Safety:	Deep:
5	11	17

Depth zones shallower than the entered values are tinted in the shade of blue shown. If no contour for the value exists in the ENC data, the next deeper contour is used. Depth zones deeper than the "Deep" value are displayed as white.

Create New Chart
Move Chart

After populating all fields, click Create New Chart, then click the map once at the center of your chart. Click Move Chart, then click and drag the chart outline to refine its position.

Export Functions

New charts and charts retrieved from your Personal Chart Catalog are shown in this list. To export, delete, or move selected charts into your catalog, click the associated button.

Chart Catalog

Open Chart Catalog Viewer

Active Catalog (none)

Chart Queue

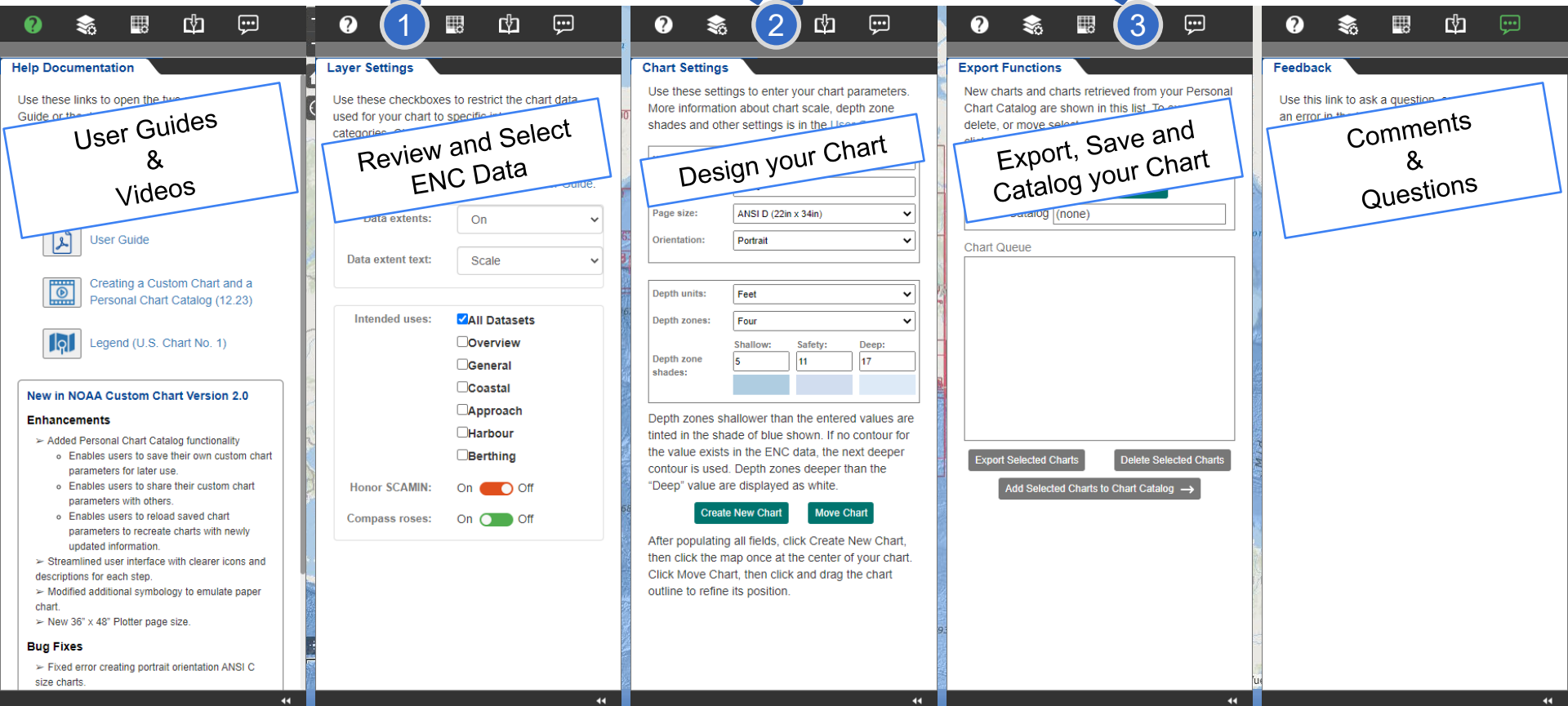
Export Selected Charts
Delete Selected Charts

Add Selected Charts to Chart Catalog

Feedback

Use this link to ask a question, comment or report an error in the NOAA Custom Chart application.

[How may we assist you today?](#)



Help Documentation

Use these links to open the User Guide or the Legend.

User Guides & Videos

- User Guide
- Creating a Custom Chart and a Personal Chart Catalog (12.23)
- Legend (U.S. Chart No. 1)

New in NOAA Custom Chart Version 2.0

Enhancements

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Bug Fixes

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Layer Settings

Use these checkboxes to restrict the chart data used for your chart to specific categories.

Review and Select ENC Data

Data extents: ☐ On ☒ Off

Data extent text:

Intended uses:

- ☒ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☐ Harbour
- ☐ Berthing

Honor SCAMIN: On ☐ Off

Compass roses: On ☐ Off

Chart Settings

Use these settings to enter your chart parameters. More information about chart scale, depth zone shades and other settings is in the User Guide.

Design your Chart

Page size:

Orientation:

Depth units:

Depth zones:

Depth zone shades:

Shallow:	Safety:	Deep:
5	11	17

Depth zones shallower than the entered values are tinted in the shade of blue shown. If no contour for the value exists in the ENC data, the next deeper contour is used. Depth zones deeper than the "Deep" value are displayed as white.

After populating all fields, click Create New Chart, then click the map once at the center of your chart. Click Move Chart, then click and drag the chart outline to refine its position.

Export Functions

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Chart Queue

Feedback

Use this link to ask a question or report an error in the software.

Comments & Questions

Electronic Navigational Chart (ENC) Intended Uses







Help Documentation

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 Quick Start Guide

 User Guide

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 Legend (U.S. Chart No. 1)

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Bug Fixes

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Layer Settings

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Data extents: ☐ On ☒ Off

Data extent text: ☐ On ☒ Off

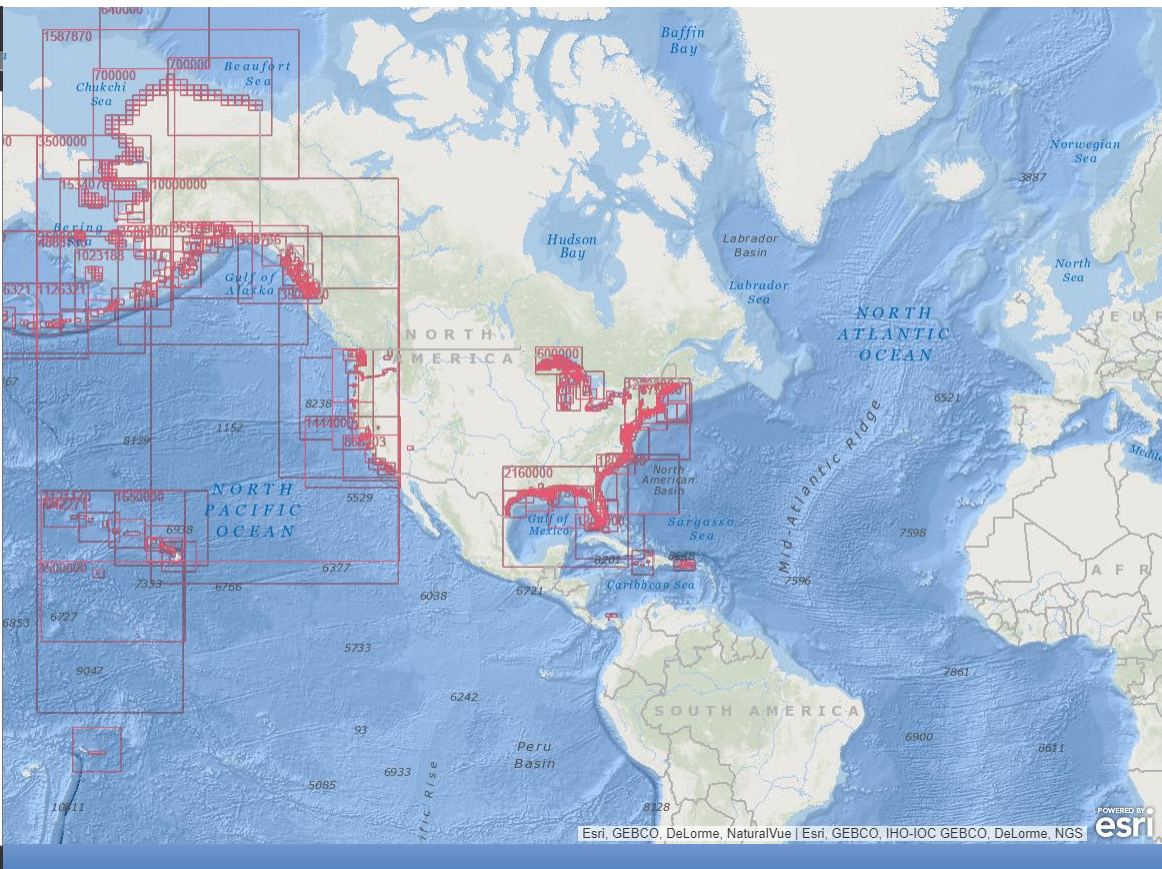
Intended uses:

☒ All Datasets

☐ Overview
 ☐ General
 ☐ Coastal
 ☐ Approach
 ☐ Harbour
 ☐ Berthing

Honor SCAMIN: ☐ On ☒ Off

Compass roses: ☐ On ☒ Off



Electronic Navigational Chart (ENC) Intended Uses

Layer Settings

Use these checkboxes to restrict the chart data used for your chart to specific intended use categories. Check "All Datasets" to allow the application to choose the best available data for your chart. For a detailed description of data extents and intended uses, please refer to the User Guide.

Data extents: On

Data extent text: Scale

Intended uses:

- ☒ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☐ Harbour
- ☐ Berthing

Honor SCAMIN: On Off

Compass roses: On Off

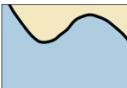
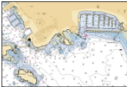
25° 08' 18" S 89° 40' 13" W

1000mi

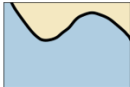
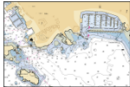
Esri, GEBCO, DeLorme, NaturalVue | Esri, GEBCO, IHO-IOC GEBCO, DeLorme, NGS

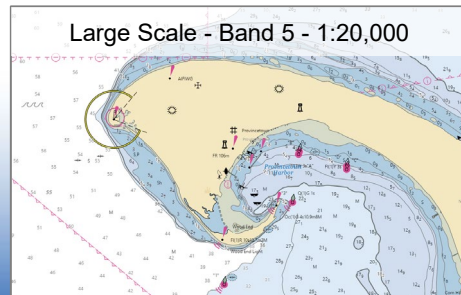
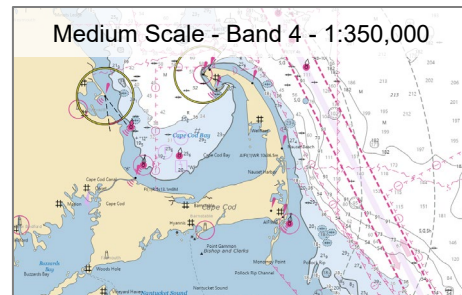
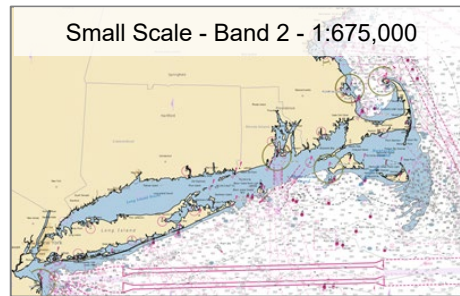
POWERED BY

☒ **All Datasets**
☐ **Overview**
☐ **General**
☐ **Coastal**
☐ **Approach**
☐ **Harbour**
☐ **Berthing**

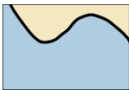
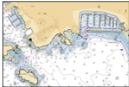
ENC Usage Band	Current NOAA ENC Scale Ranges	Scale	Extent of Area Covered by Map	Detail Shown on Chart
1 Overview	1:10,000,000 1:587,870	Smaller ↑ ↓ Larger	Larger	Less
2 General	1:1,534,076 1:240,000			
3 Coastal	1:600,000 1:150,000			
4 Approach	1:135,000 1:40,000			
5 Harbor	1:50,000 1:5,000			
6 Berthing	1:12,000 1:2,500		Smaller	More

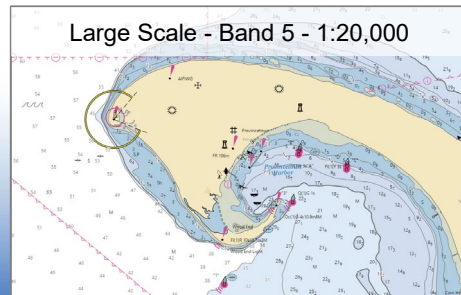
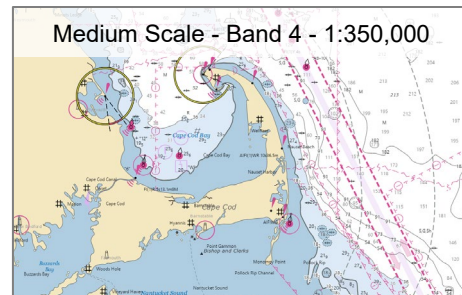
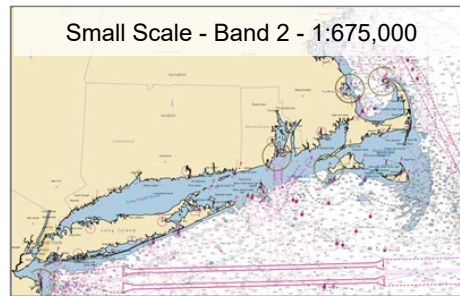
ENC Usage Bands

ENC Usage Band	Current NOAA ENC Scale Ranges	Scale	Extent of Area Covered by Map	Detail Shown on Chart
1 Overview	1:10,000,000 1:587,870		Larger	Less
2 General	1:1,534,076 1:240,000			
3 Coastal	1:600,000 1:150,000			
4 Approach	1:135,000 1:40,000			
5 Harbor	1:50,000 1:5,000			
6 Berthing	1:12,000 1:2,500	Larger	Smaller	More



ENC Usage Bands

ENC Usage Band	Current NOAA ENC Scale Ranges	Scale	Extent of Area Covered by Map	Detail Shown on Chart
1.Overview	1:10,000,000 1:587,870		Larger	Less
2.General	1:1,534,076 1:240,000			
3.Coastal	1:600,000 1:150,000			
4.Approach	1:135,000 1:40,000			
5.Harbor	1:50,000 1:5,000			
6.Berthing	1:12,000 1:2,500	Larger	Smaller	More



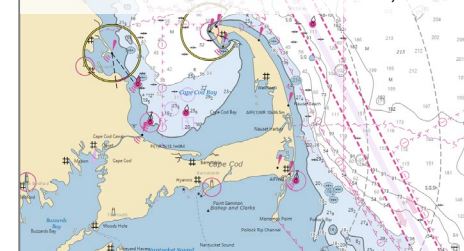
Overlapping ENC Usage Bands

Scale	ENC Usage Band						
1:10,000,000	10,000,000						
1:1,534,076	1.Overview	1,534,076					
1:600,000		2.General	600,000				
1:587,870			587,870	3.Coastal			
1:240,000		240,000					
1:150,000			150,000				
1:135,000				135,000			
1:50,000				4.Approach	50,000		
1:40,000					40,000	5.Harbor	
1:12,000					12,000		
1:5,000					5,000		6.Berthing
1:2,500						2,500	

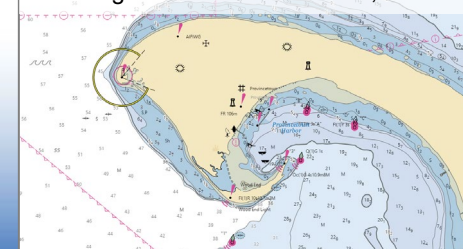
Small Scale - Band 2 - 1:675,000



Medium Scale - Band 4 - 1:350,000



Large Scale - Band 5 - 1:20,000





Layer Settings

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Data extents: ☐ On ☒ Off

Data extent text: ☐ Scale ☒ Off

Intended uses: ☒ All Datasets

☐ Overview

☐ General

☐ Coastal

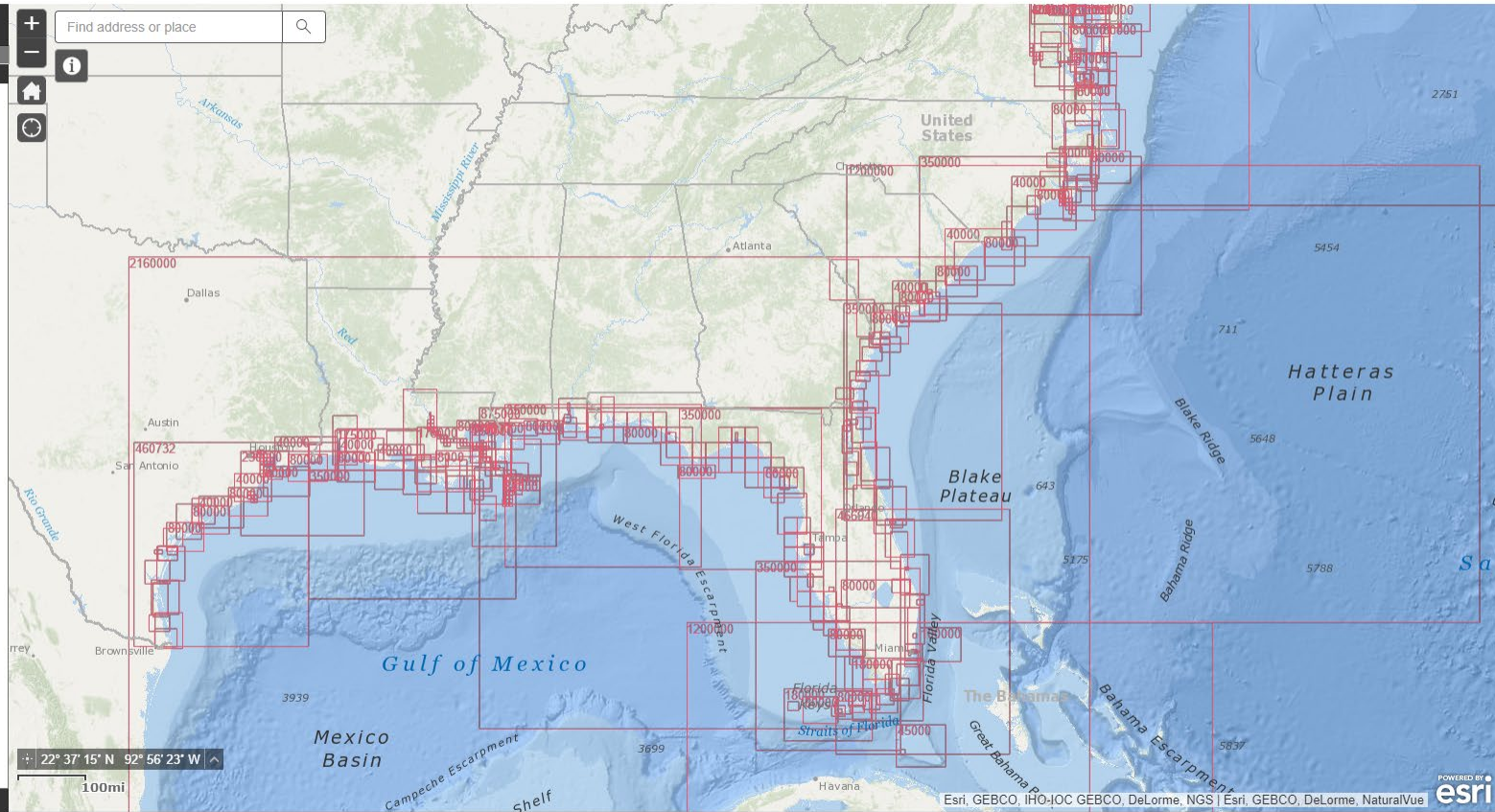
☐ Approach

☐ Harbour

☐ Berthing

Honor SCAMIN: ☐ On ☒ Off

Compass roses: ☐ On ☒ Off





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Data extents: On

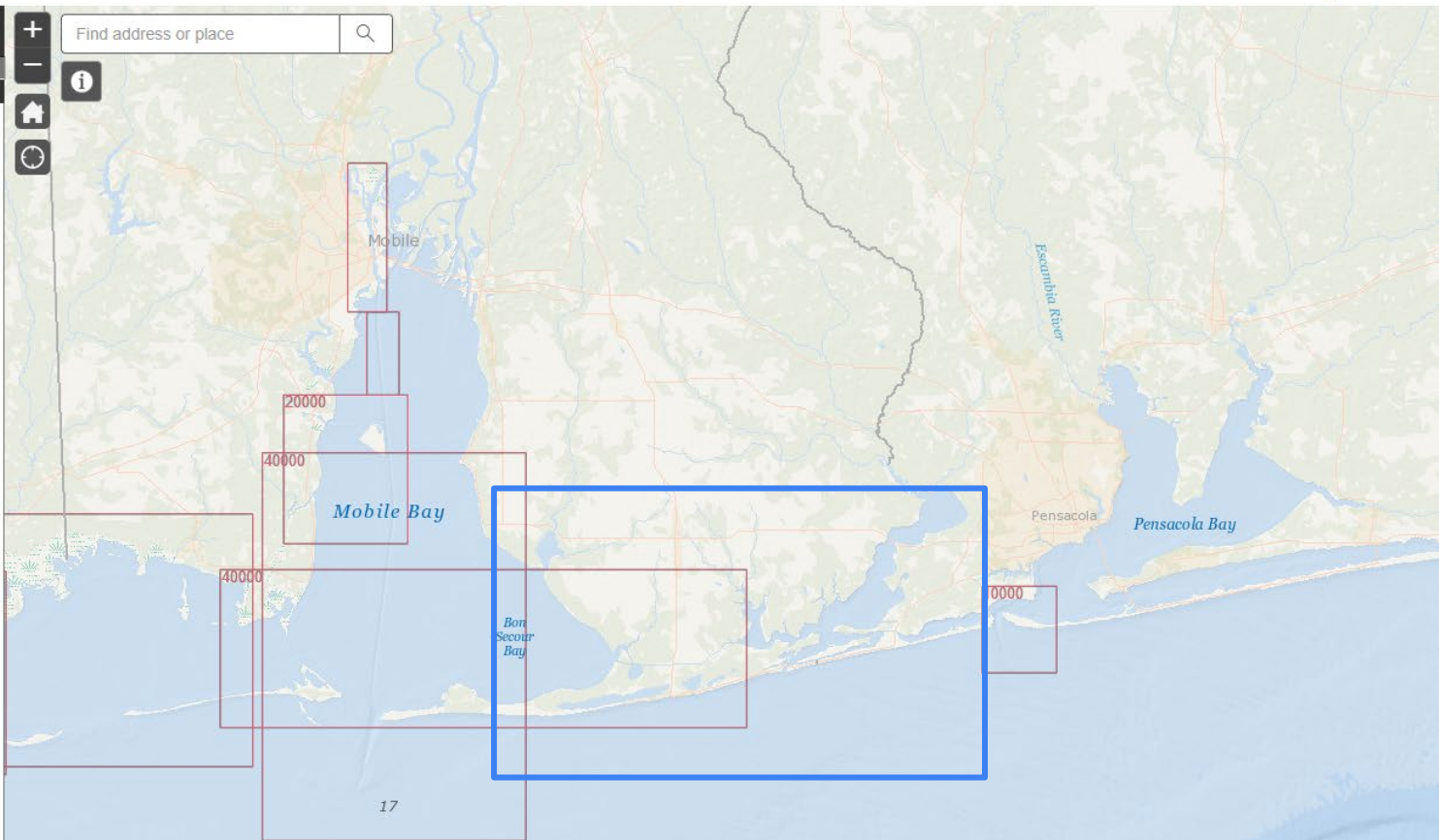
Data extent text: Scale

Intended uses:

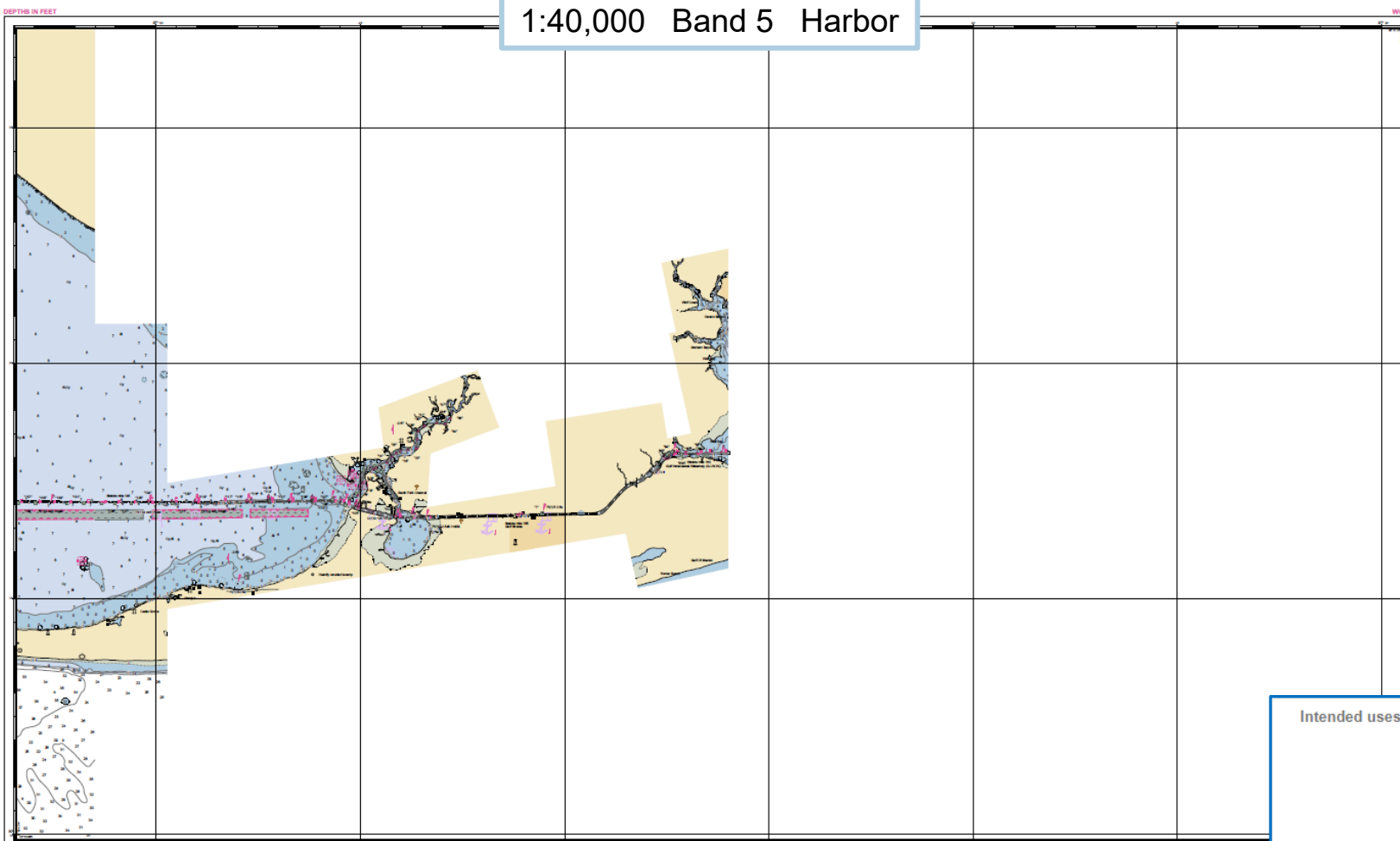
- ☐ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☒ Harbour
- ☐ Berthing

Honor SCAMIN: On Off

Compass roses: On Off



1:40,000 Band 5 Harbor



- Intended uses:
- ☐ All Datasets
 - ☐ Overview
 - ☐ General
 - ☐ Coastal
 - ☐ Approach
 - ☒ Harbour
 - ☐ Berthing



ENC “minimum bounding rectangles”







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Data extents: On

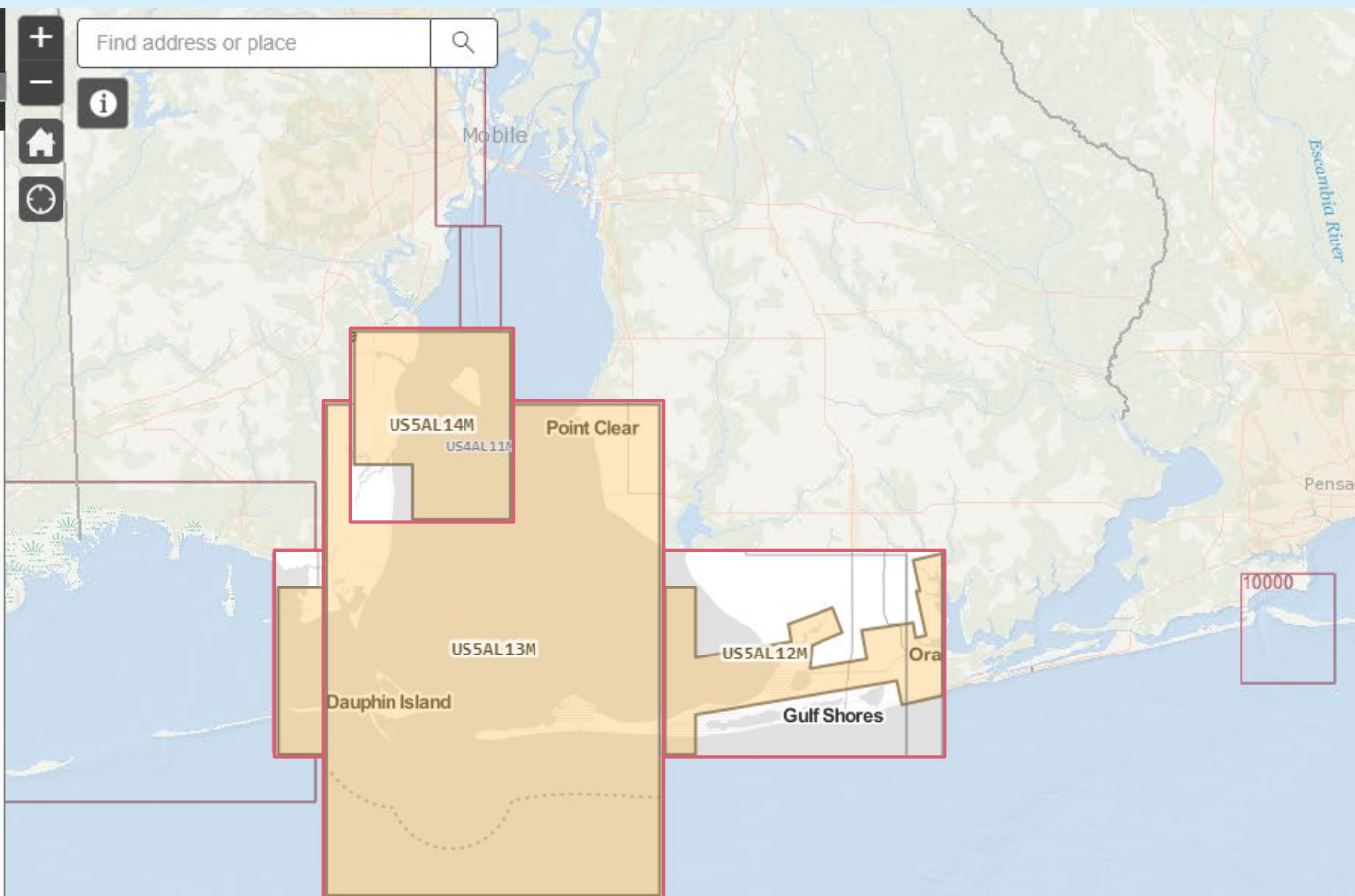
Data extent text: Scale

Intended uses:

- ☐ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☒ Harbour
- ☐ Berthing

Honor SCAMIN: On Off

Compass roses: On Off





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Data extents:

On

Data extent text:

Scale

Intended uses:

☐ All Datasets

☐ Overview

☐ General

☐ Coastal

 ☒ Approach

☐ Harbour

☐ Berthing

Honor SCAMIN:

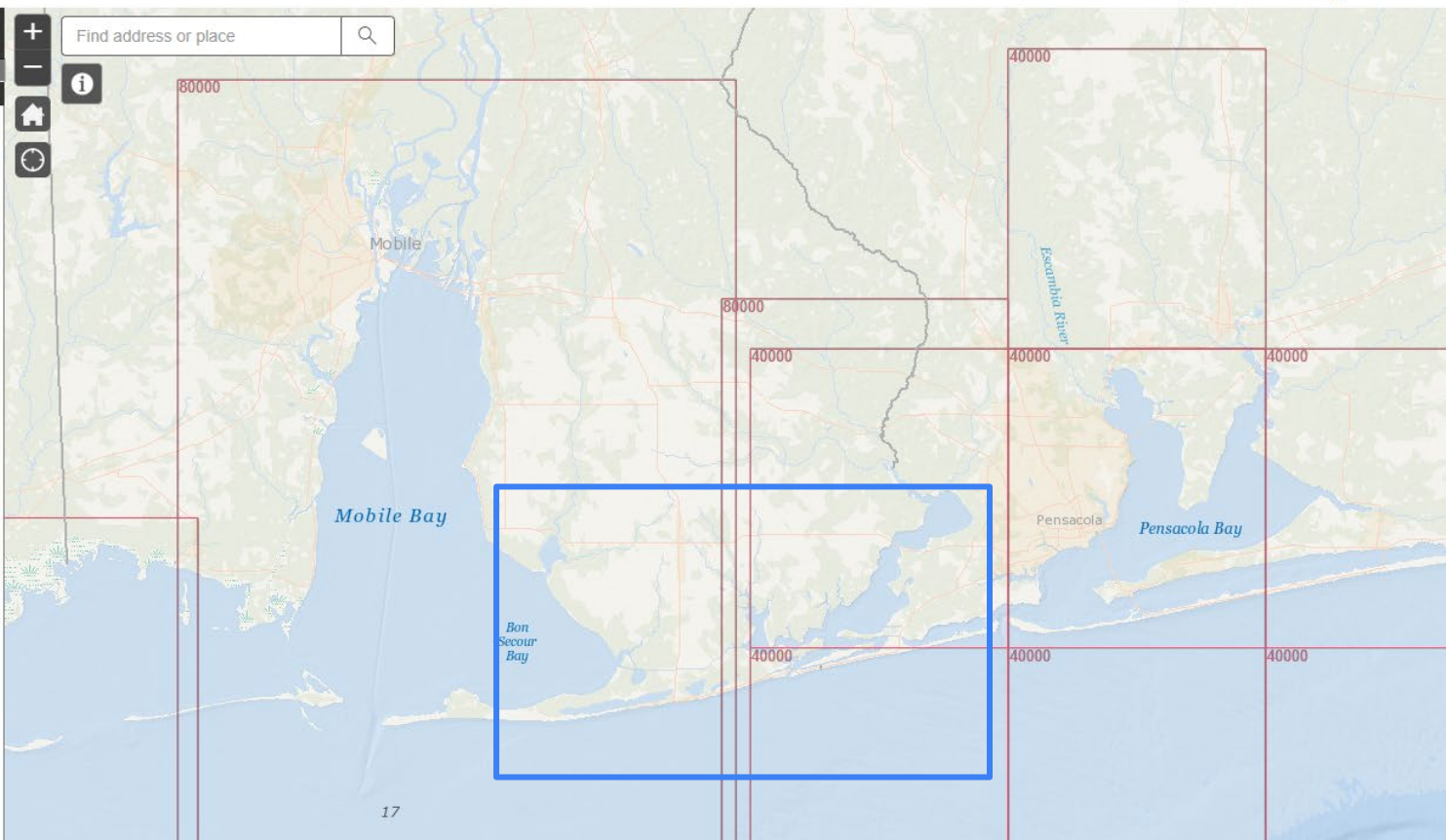
On

☒ Off

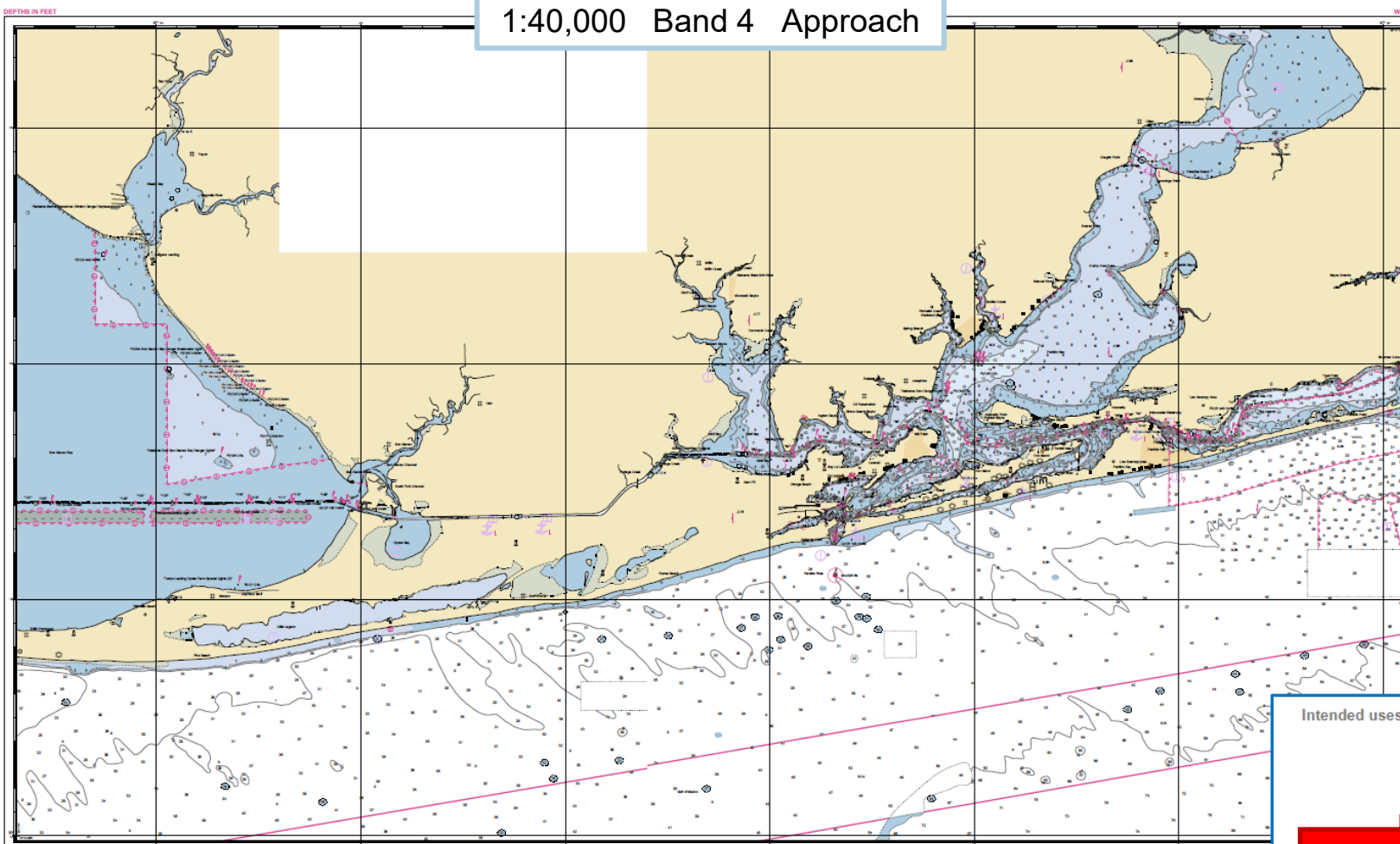
Compass roses:

On

☒ Off



1:40,000 Band 4 Approach



Intended uses:

- ☐ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☒ Approach
- ☐ Harbour
- ☐ Berthing



WGS 84



NOTES:
1. This chart is a reproduction of the original chart and is not to be used for navigation.
2. The chart is a reproduction of the original chart and is not to be used for navigation.
3. The chart is a reproduction of the original chart and is not to be used for navigation.

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3. The chart is a reproduction of the original chart and is not to be used for navigation.

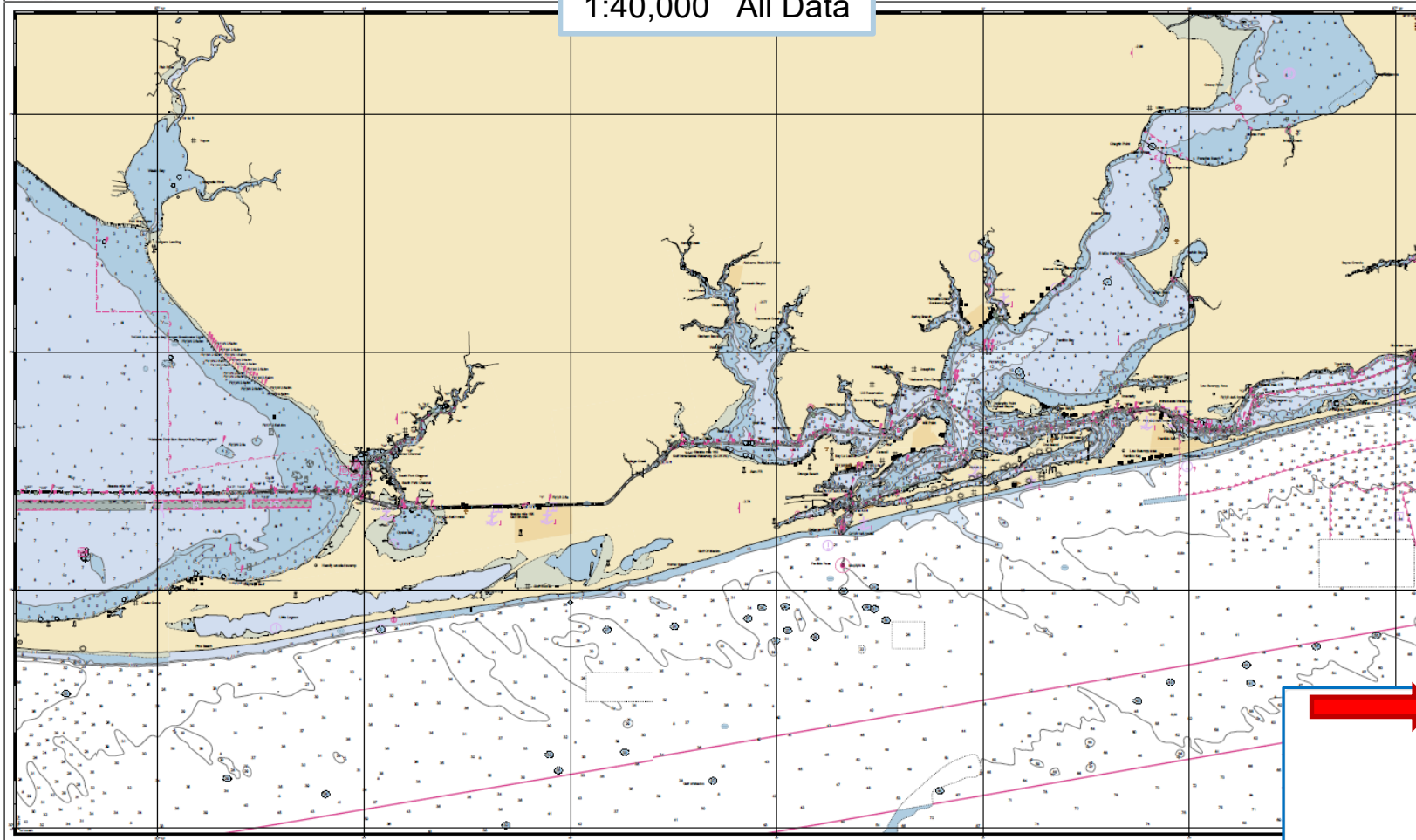
NOTES:
1. This chart is a reproduction of the original chart and is not to be used for navigation.
2. The chart is a reproduction of the original chart and is not to be used for navigation.
3. The chart is a reproduction of the original chart and is not to be used for navigation.

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2. The chart is a reproduction of the original chart and is not to be used for navigation.
3. The chart is a reproduction of the original chart and is not to be used for navigation.

DEPTH IN FEET

1:40,000 All Data

W08 84



W08 84



NOTES:
1. This chart is based on the latest available data.
2. The depths are in feet unless otherwise indicated.
3. The soundings are the least depths.
4. The chart is not to be used for navigation without the aid of a compass.
5. The chart is not to be used for navigation without the aid of a compass.
6. The chart is not to be used for navigation without the aid of a compass.
7. The chart is not to be used for navigation without the aid of a compass.
8. The chart is not to be used for navigation without the aid of a compass.
9. The chart is not to be used for navigation without the aid of a compass.
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9. The chart is not to be used for navigation without the aid of a compass.
10. The chart is not to be used for navigation without the aid of a compass.

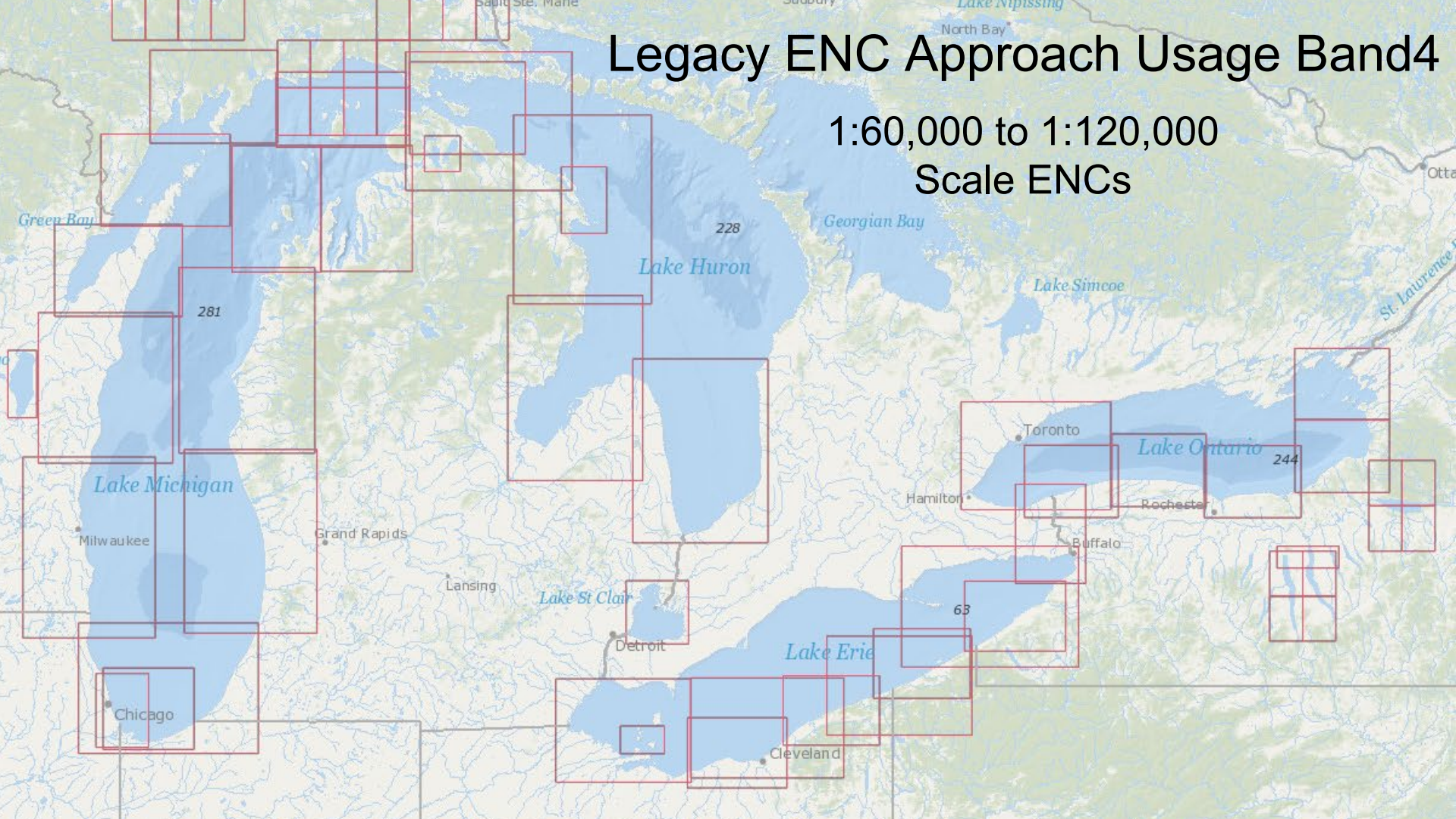
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2. The depths are in feet unless otherwise indicated.
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10. The chart is not to be used for navigation without the aid of a compass.



- ☒ All Datasets
- ☐ Overview
- ☐ General
- ☐ Coastal
- ☐ Approach
- ☐ Harbour
- ☐ Berthing

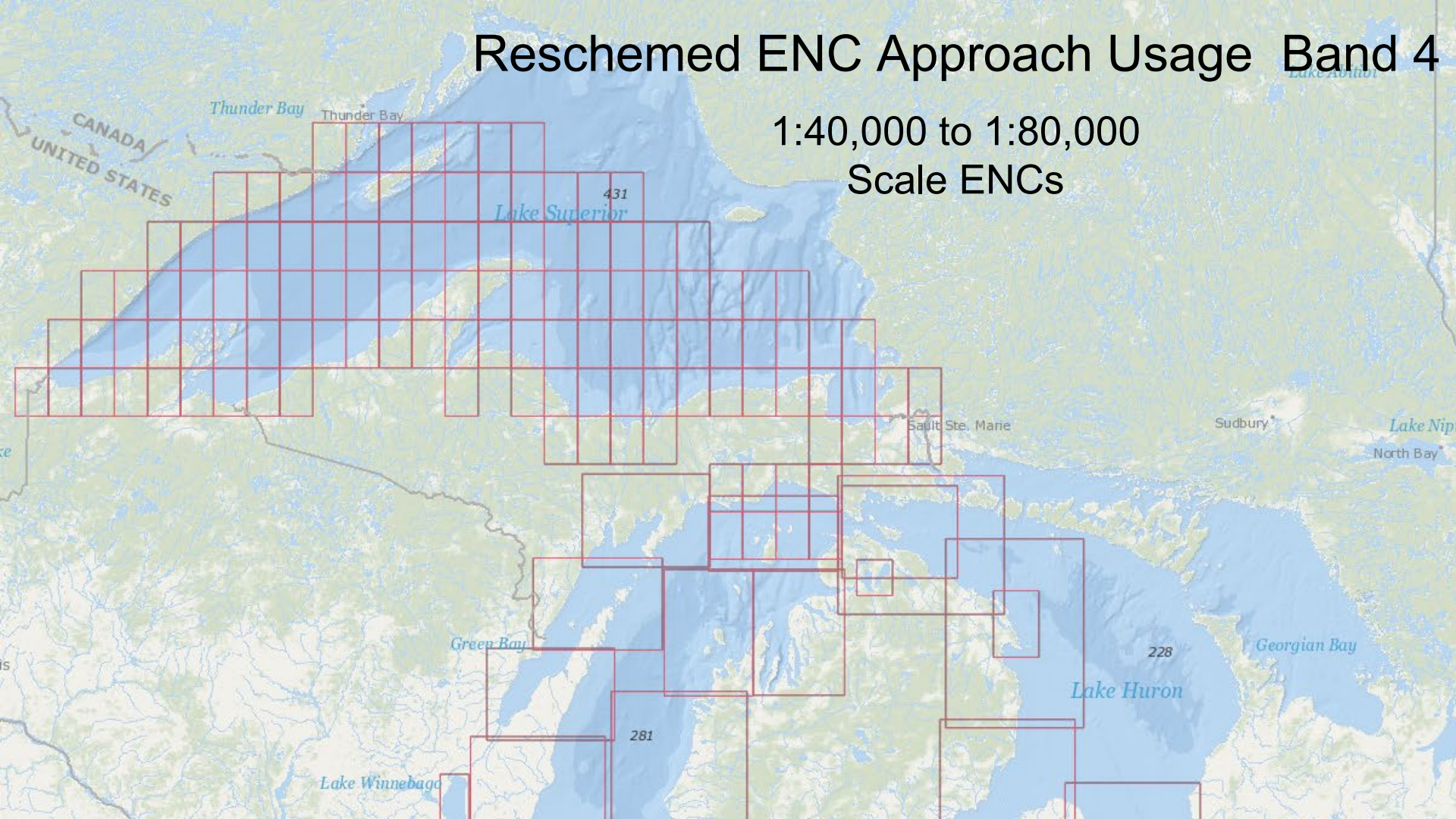
Legacy ENC Approach Usage Band4

1:60,000 to 1:120,000
Scale ENCs



Reschemed ENC Approach Usage Band 4

1:40,000 to 1:80,000
Scale ENCs

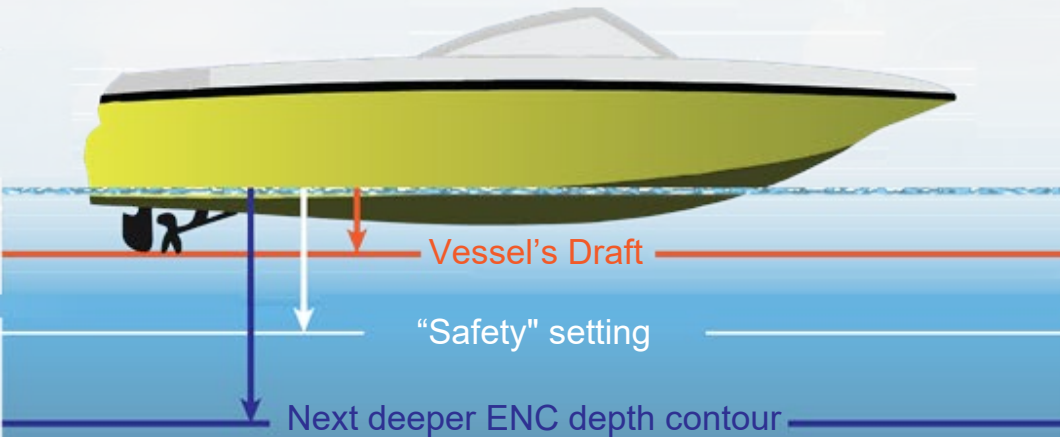




NOAA
Coast Survey

Safety Depth and Safety Contour

“Safety Depth” Value and “Safety Contour”



Water level

} Safety factor added by the user

If a contour matching the “safety” setting does not exist, the next deeper contour in the ENC data is selected to be the “safety contour.”



Office of Coast Survey
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

NOAA Custom Chart Version 2.0
Choose your own chart scale and location
Save charts to a personal chart catalog

Chart Settings

Use these settings to enter your chart parameters. More information about chart scale, depth zone shades and other settings is in the [User Guide](#).

Name:

Scale:

Page size:

Orientation:

Depth units:

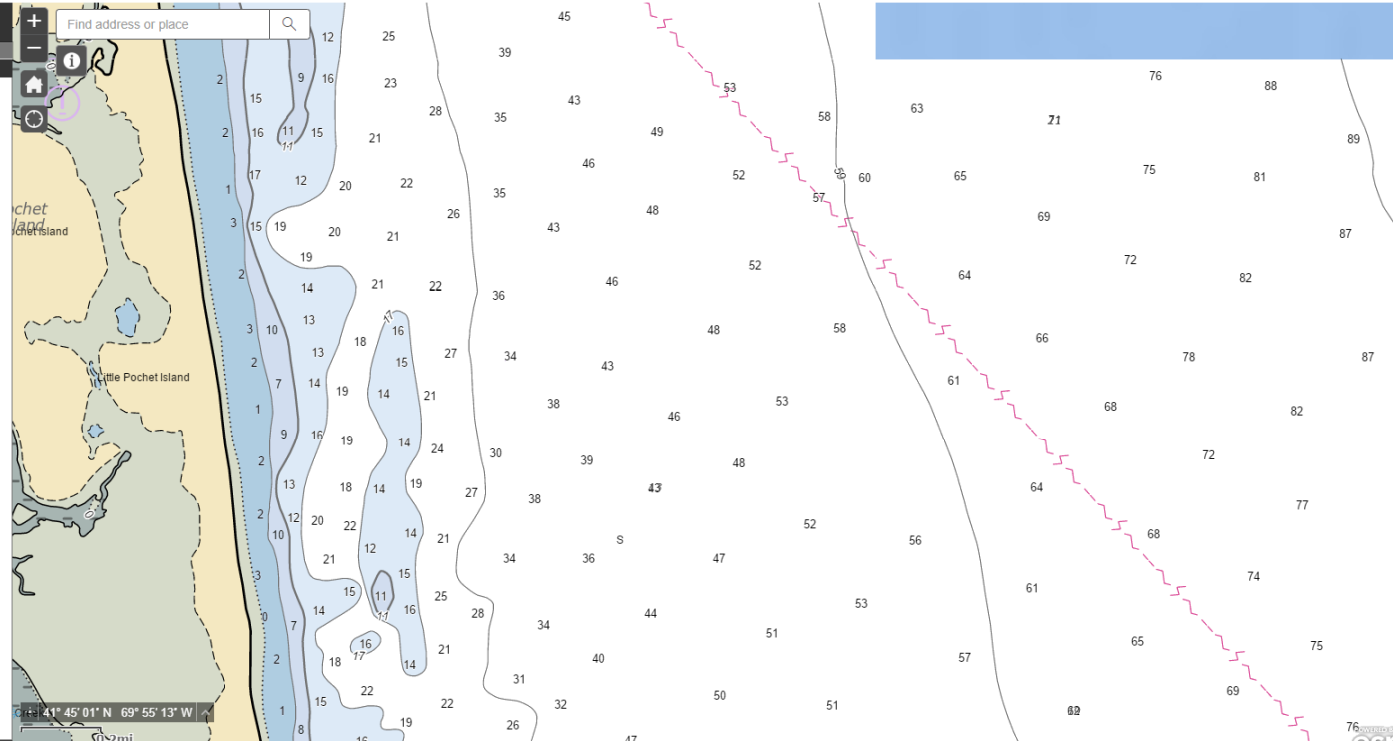
Depth zones:

Shallow:	Safety:	Deep:
5	11	17

Depth zone shades:

Depth zones shallower than the entered values are tinted in the shade of blue shown. If no contour for the value exists in the ENC data, the next deeper contour is used. Depth zones deeper than the "Deep" value are displayed as white.

After populating all fields, click Create New Chart, then click the map once at the center of your chart. Click Move Chart, then click and drag the chart outline to refine its position.



41° 45' 01" N 69° 55' 13" W

0.2mi



Depth Zone Shades

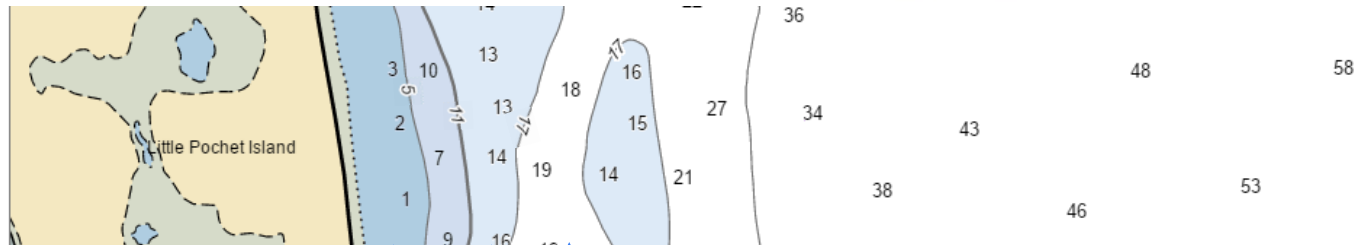
Depth units:

Depth zones:

Shallow: Safety: Deep:

Depth zone shades:

Shallow	Safety	Deep
5	11	17



0 - 5

5 - 11

11 - 17

17+

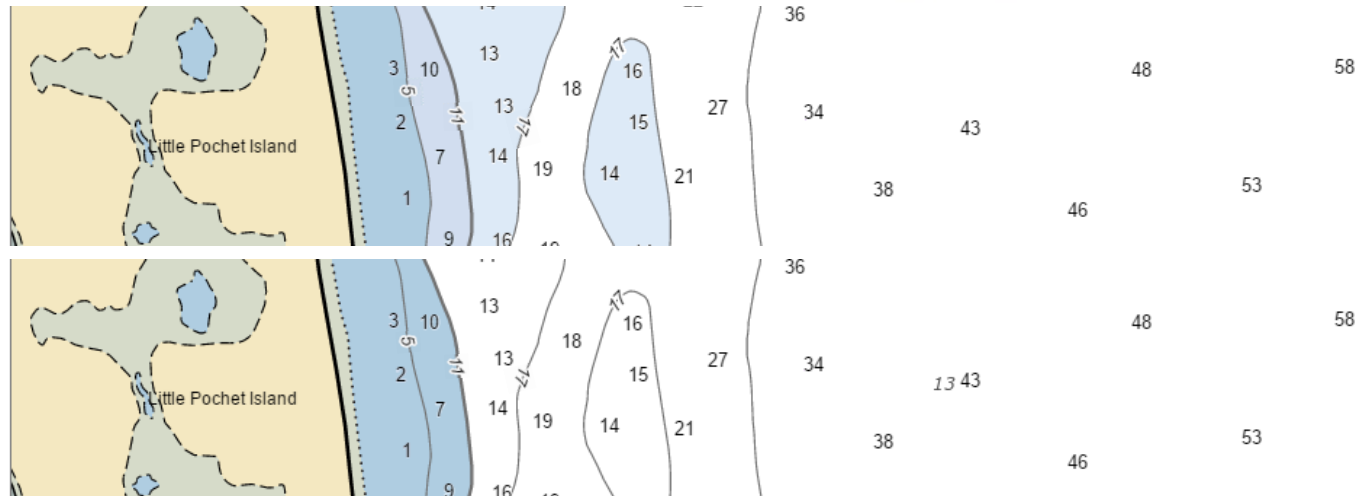
Depth Zone Shades

Depth units:

Depth zones:

Shallow: Safety: Deep:

Depth zone shades:



Depth units:

Depth zones:

Shallow: Safety: Deep:

Depth zone shades:

0 - 11

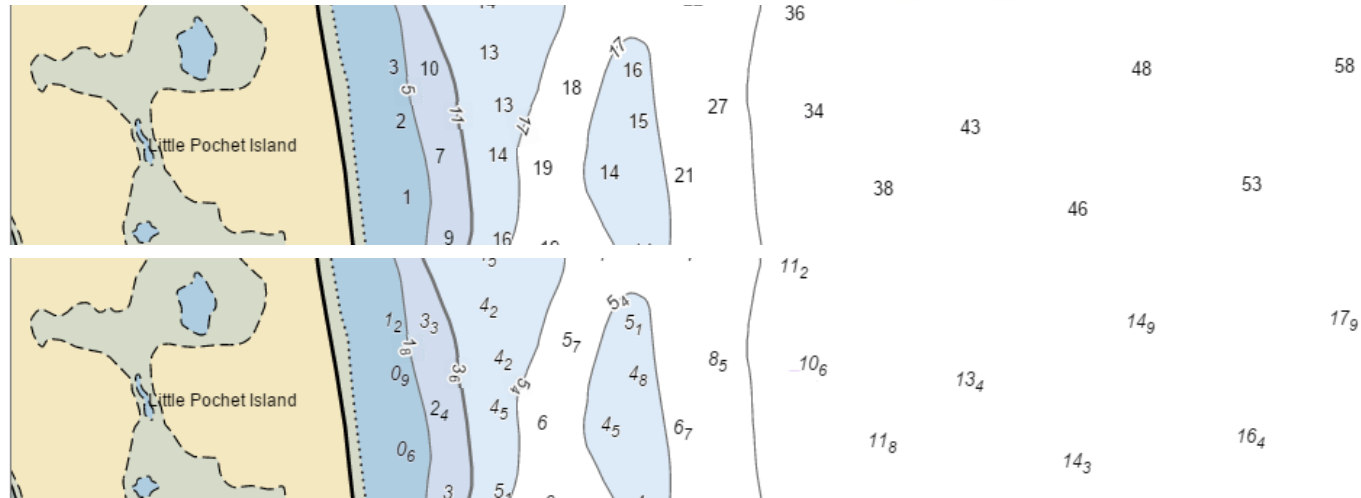
11+

Depth units: **Feet**

Depth zones: **Four**

Shallow: **5** Safety: **11** Deep: **17**

Depth zone shades:



$$\frac{18 \text{ feet}}{3.2801} = 5.488 \text{ m} \rightarrow 5.4 \text{ m (in ENC)}$$



$$5.4 \text{ m} \times 3.2801 = 17.71 \rightarrow 17 \text{ ft (in NOAA Custom Chart application)}$$



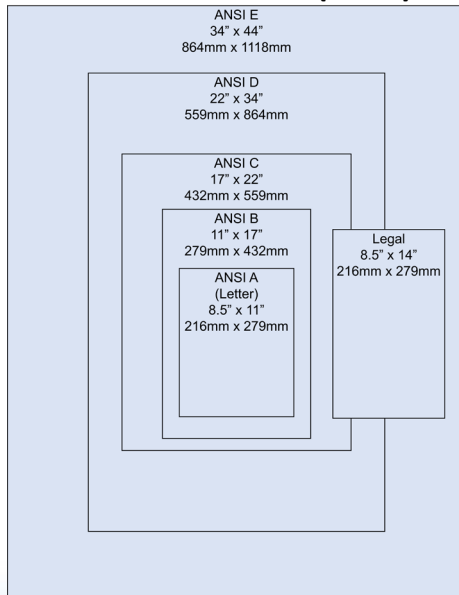
NOAA
Coast Survey

The background of the slide is a stylized illustration of a seascape. It features a deep blue ocean in the foreground, a lighter blue horizon line, and a bright blue sky with several large, white, fluffy clouds. The clouds are rendered in a simple, cartoonish style with soft edges.

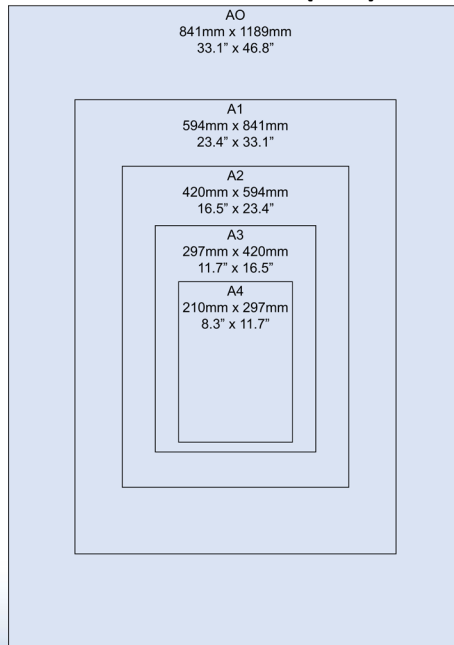
NOAA Custom Chart Demonstration

- User control of compass rose placement
- Additional symbology and labeling improvements
 - Aids to Navigation labels
 - Labeling CFR references for anchorages, restricted areas, etc.
- Online NOAA ENC Updates application interface with NCC personal chart catalogs
- Option for metric units for heights & vertical clearances

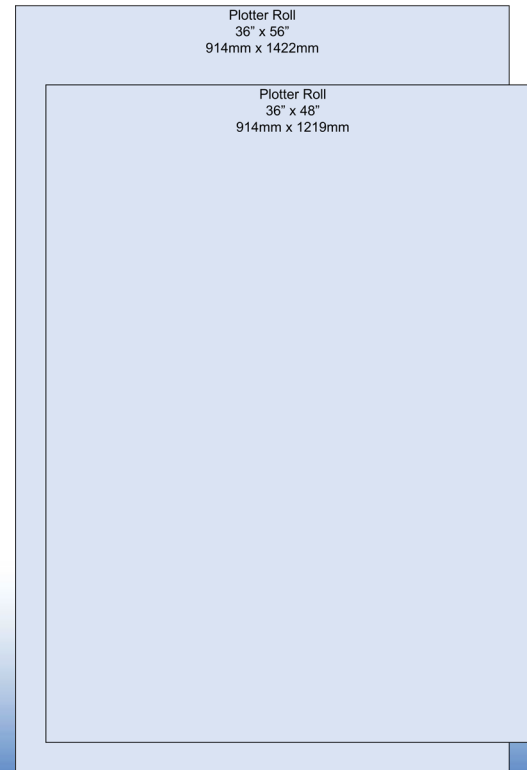
North American (ANSI)



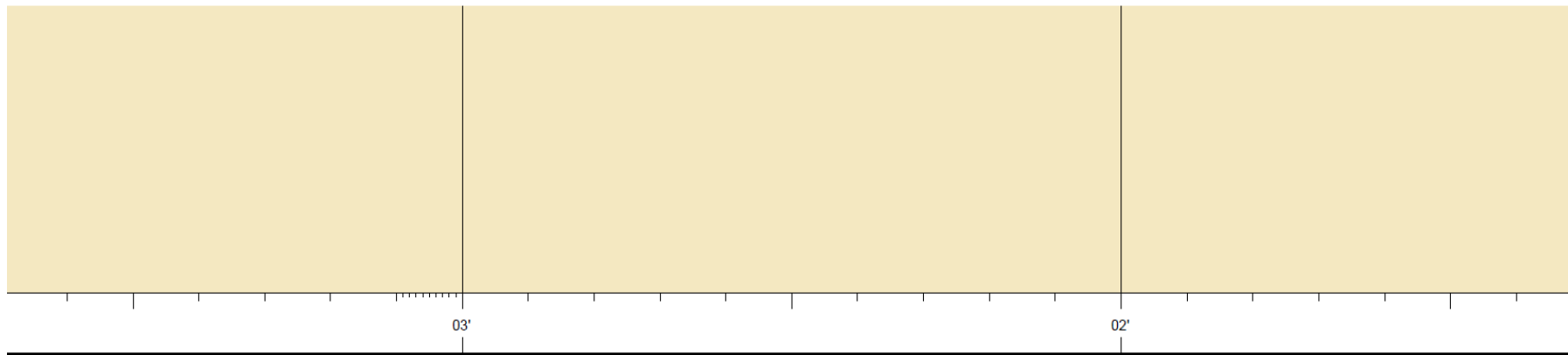
International (ISO)



Plotter Roll



Scale Verification Bar



AIDS TO NAVIGATION

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

CAUTION

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

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.

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

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.

To ensure that this chart was printed at the proper scale, the line above should measure six inches (152 millimeters).



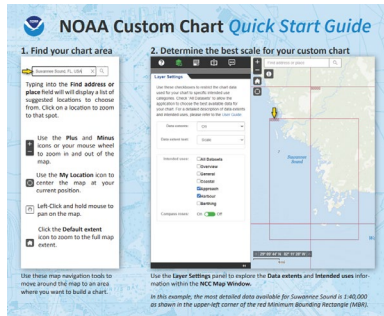


Help Documentation

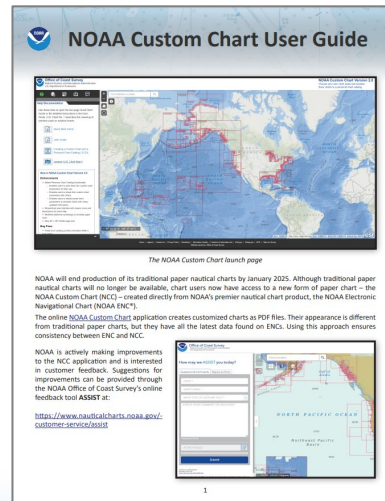
Use these links to open the two-page Quick Start Guide or the detailed instructions in the User Guide. U.S. Chart No. 1 describes the meaning of symbols used on nautical charts.

-  [Quick Start Guide](#)
-  [User Guide](#)
-  [Creating a Custom Chart and a Personal Chart Catalog \(12-23\)](#)
-  [Legend \(U.S. Chart No. 1\)](#)

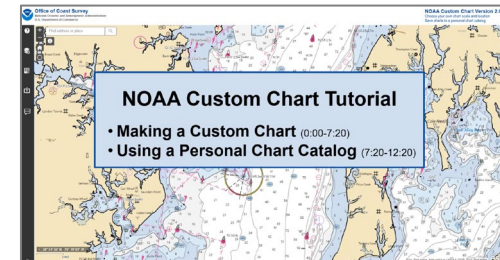
4 page Quick Start Guide



14 page User Guide



Video Tutorial



132 page Chart Symbolology Guide

U.S. Chart No. 1

Symbols, Abbreviations and Terms used on Paper and Electronic Navigational Charts

13th Edition
April 15, 2019

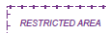
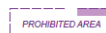
Prepared Jointly by
Department of Commerce
National Oceanic and Atmospheric Administration
Department of Defense
National Geospatial-Intelligence Agency

New in NOAA Custom Chart Version 2.0

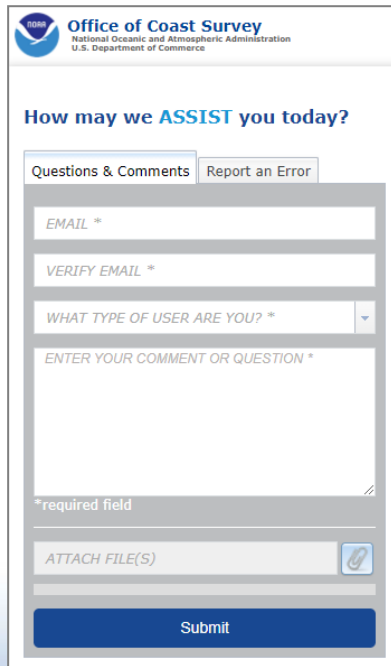
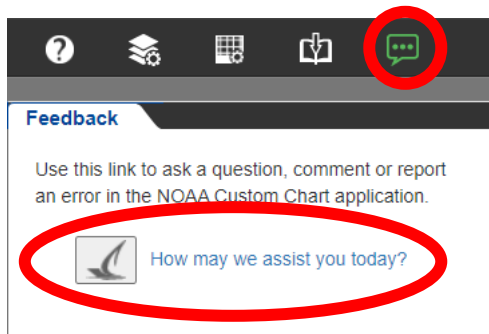
Enhancements

- Added Personal Chart Catalog functionality
 - Enables users to save their own custom chart parameters for later use.
 - Enables users to share their custom chart parameters with others.
 - Enables users to reload saved chart parameters to recreate charts with newly updated information.
- Streamlined user interface with clearer icons and descriptions for each step.
- Modified additional symbology to emulate paper chart.
- New 36" x 48" Plotter page size.

N Areas, Limits

No.	INT	Description	NOAA	NGA	Other NGA	ECDIS	
General *							
Dredged and Swept Areas → I Submarine Cables, Submarine Pipelines → L Tracks, Routes → M							
On multi-colored charts, symbols in Section N may be in green when associated with environmental areas.							
1.1		Maritime limit in general usually implying permanent physical obstructions (tint band for emphasis)					Caution area, a specific caution note applies
1.2		usually implying no permanent physical obstructions (tint band for emphasis)					
2.1		Limit of restricted area (tint band for emphasis)					Area where entry is prohibited or restricted or to be avoided
2.2		Limit of area into which entry is prohibited					Area where entry is prohibited or restricted or to be avoided, with other cautions
							Area where entry is prohibited or restricted or to be avoided, with other information
Anchorages, Anchorage Areas							
10		Reported anchorage (no defined limits)			 		Anchorage area as a point at small scale, or anchor points of mooring list at large scale
11.1	  	Anchor berths		  No 1		 Nr 6	Anchor berth
11.2	  	Anchor berths with swinging circle					Radius of swing circle is obtained by cursor pick

* ECDIS represents many types of area limits with just a few different symbols. Information about the type of area and its associated restrictions or prohibitions may be obtained by cursor pick.



Office of Coast Survey
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

How may we **ASSIST** you today?

Questions & Comments Report an Error

EMAIL *

VERIFY EMAIL *

WHAT TYPE OF USER ARE YOU? *

ENTER YOUR COMMENT OR QUESTION *

*required field

ATTACH FILE(S)

Submit

Use Coast Survey's online ASSIST feedback tool to:

Ask a question
Make a suggestion
Report an error

concerning the NOAA Custom Chart tool,
or any other NOAA nautical product or service.

Please include:

Location that the chart covers
Scale you have selected for the chart
Attach the NCC chart PDF or a screenshot



Chart Settings

Use these settings to enter your chart parameters.
More information about chart scale, depth zone shades and other settings is in the User Guide.

Name:	Au Train Bay West
Scale:	80000
Page size:	<input (36in="" 48\"="" 48in)"="" sheet="" type="text" value="Plotter 36\" x=""/>
Orientation:	Portrait

Depth units:	Feet						
Depth zones:	Four						
Depth zone shades:	<table><tr><td>Shallow:</td><td>Safety:</td><td>Deep:</td></tr><tr><td> 5 </td><td> 11 </td><td> 17 </td></tr></table>	Shallow:	Safety:	Deep:	5	11	17
Shallow:	Safety:	Deep:					
5	11	17					

Depth zones shallower than the entered values are tinted in the shade corresponding to the zone. If no value exists in the depth zone, the white background contour is used. Depth zones deeper than the "Deep" value are displayed as white.

Create New Chart

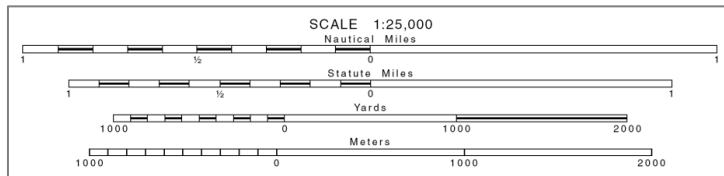
Move Chart

After populating all fields, click Create New Chart, then click the map once at the center of your chart. Click Move Chart, then click and drag the chart outline to refine its position.



Three Interrelated Map Qualities

Map Scale



Changing map **scale** or **paper size** will change the **area covered** by the map.

Paper Size



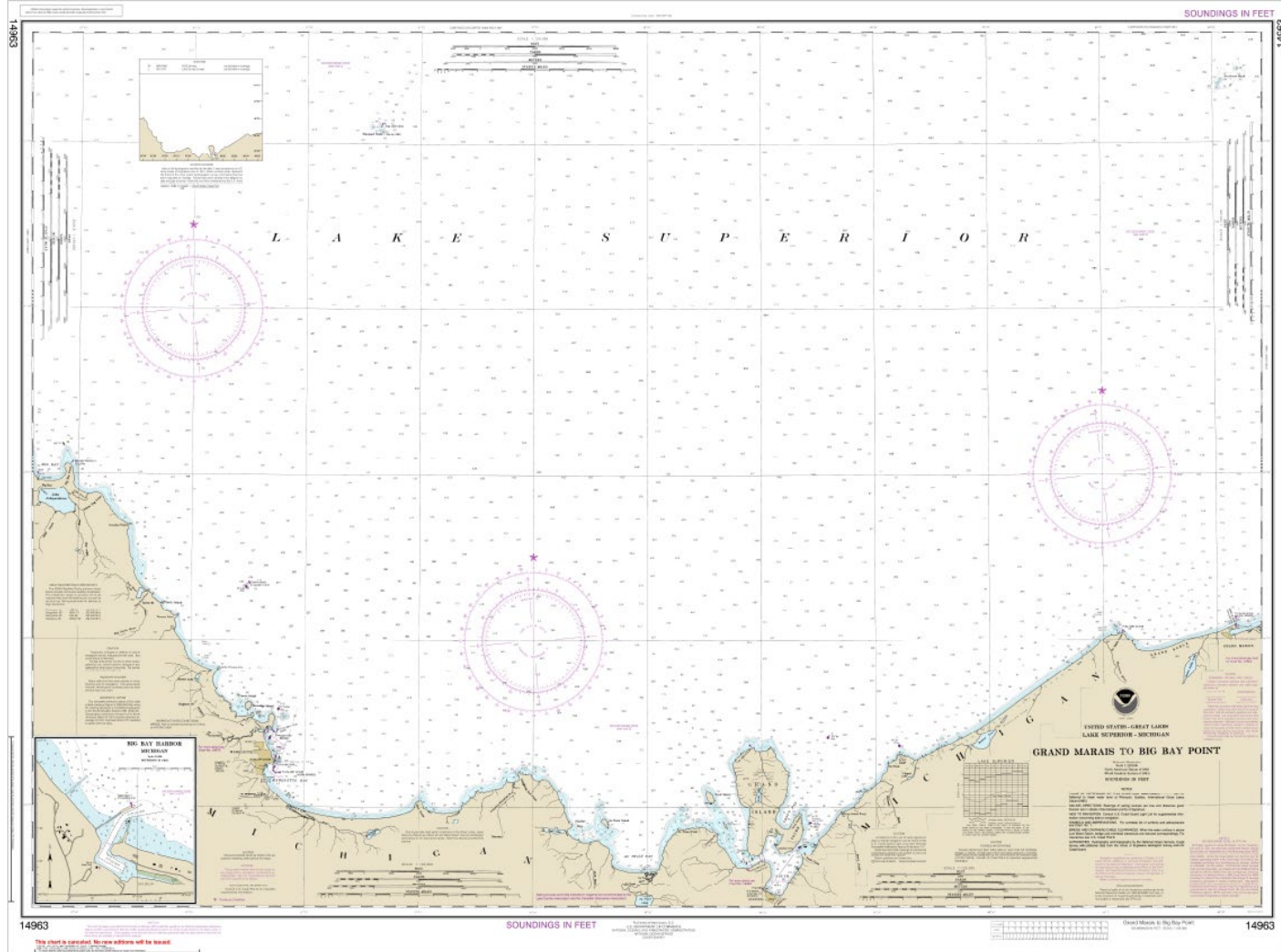
Area of the Earth Covered

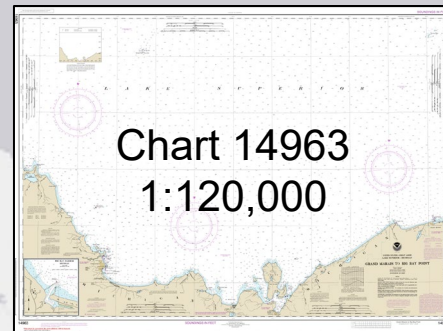
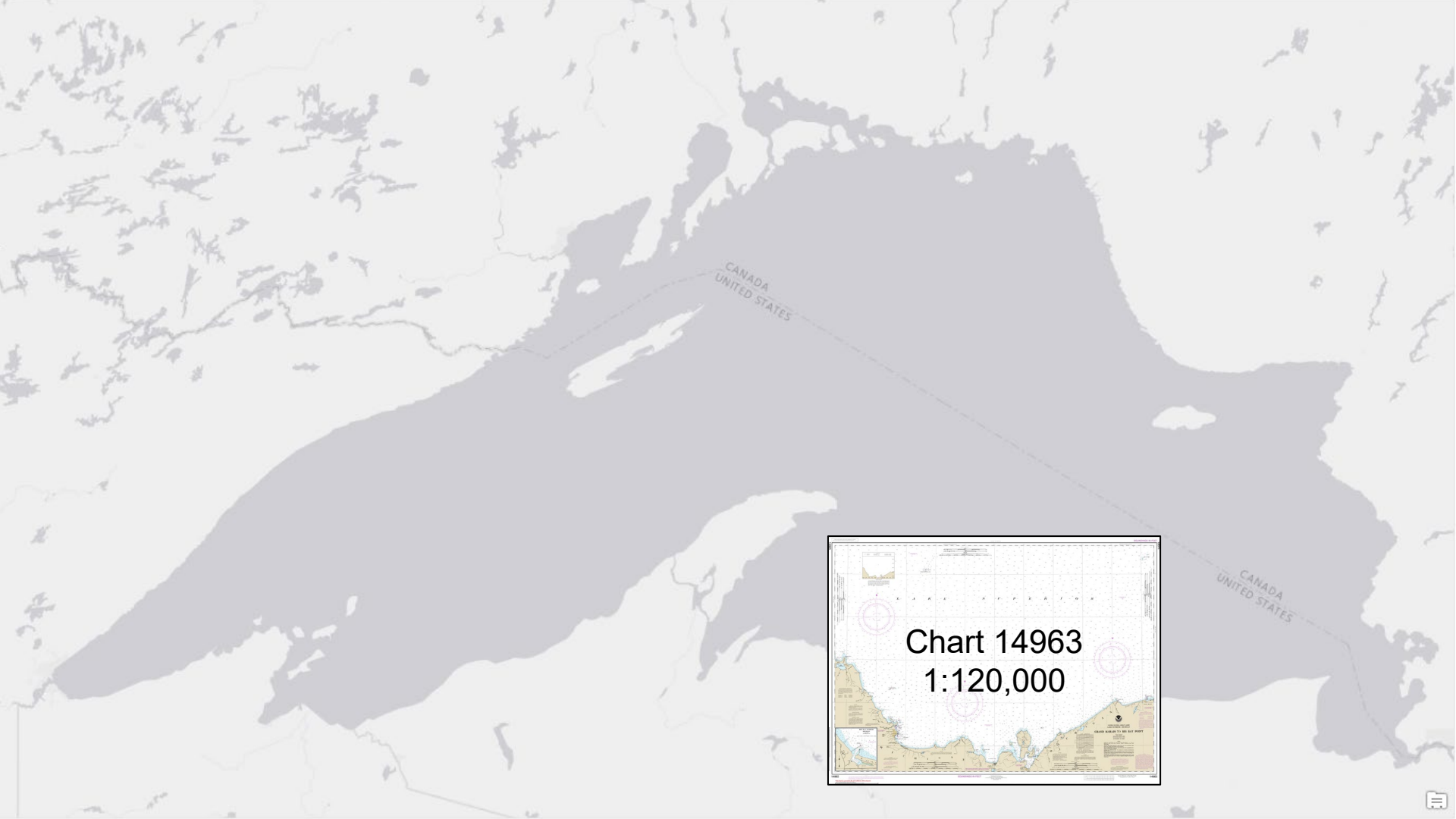


Chart 14963

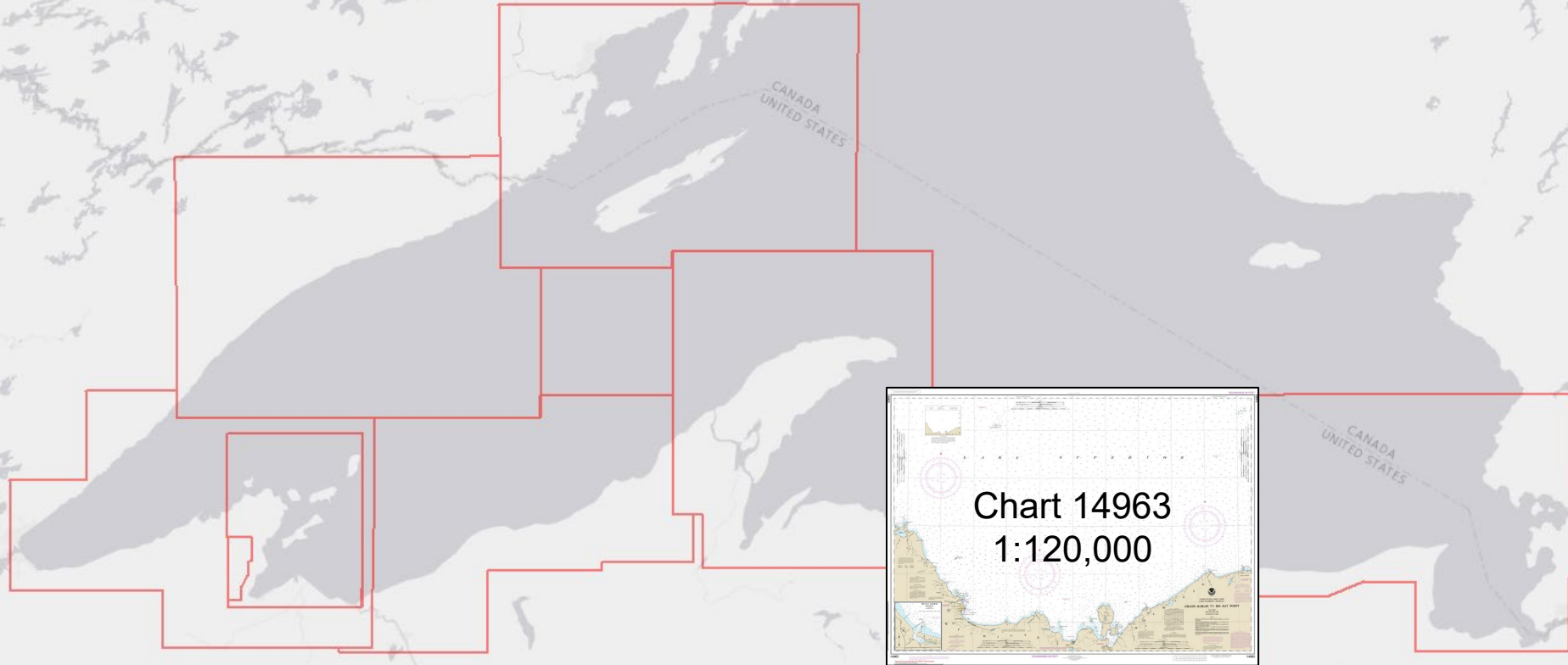
1:120,000

Lake Superior
Grand Marais to Big Bay
One 1:5,000 Inset





Previous 1:120,000 scale ENC coverage Based on traditional paper nautical chart footprints



Reschemed 1:80,000 & 1:40,000 scale ENC coverage

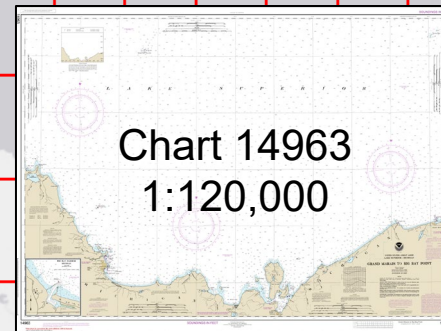
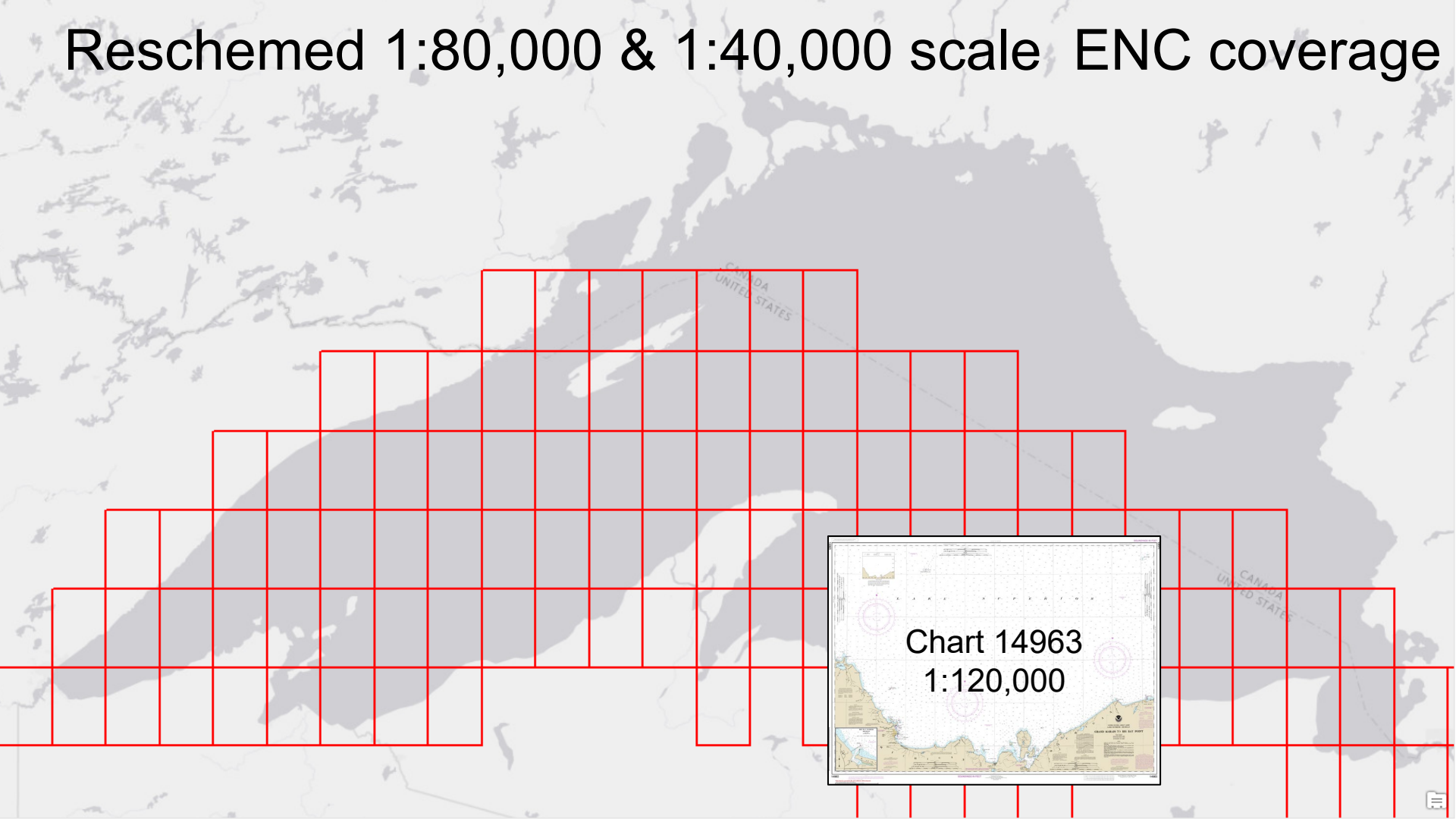
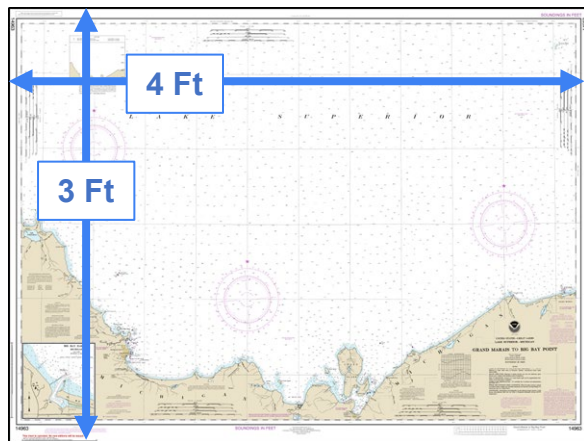
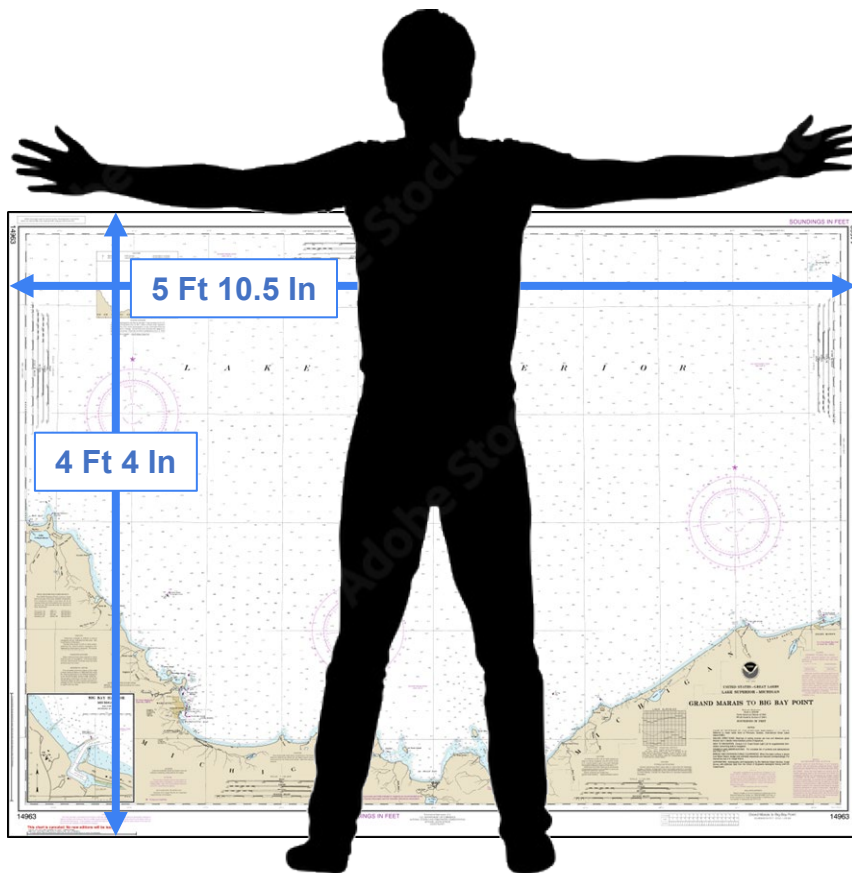


Chart 14963
Lake Superior
Grand Marais to Big Bay



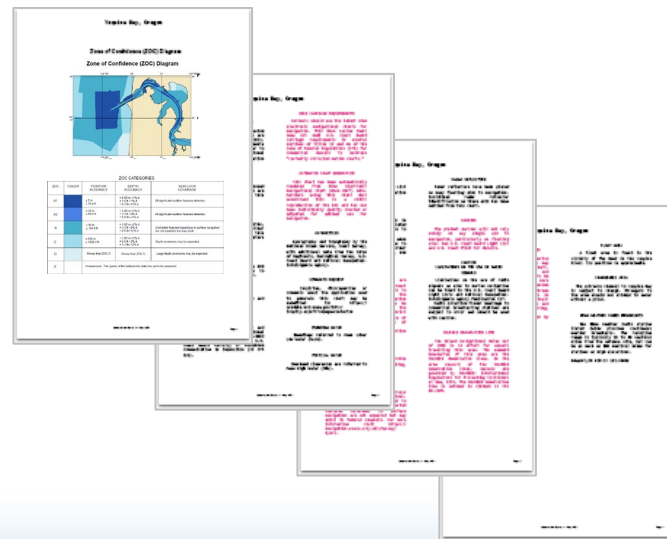
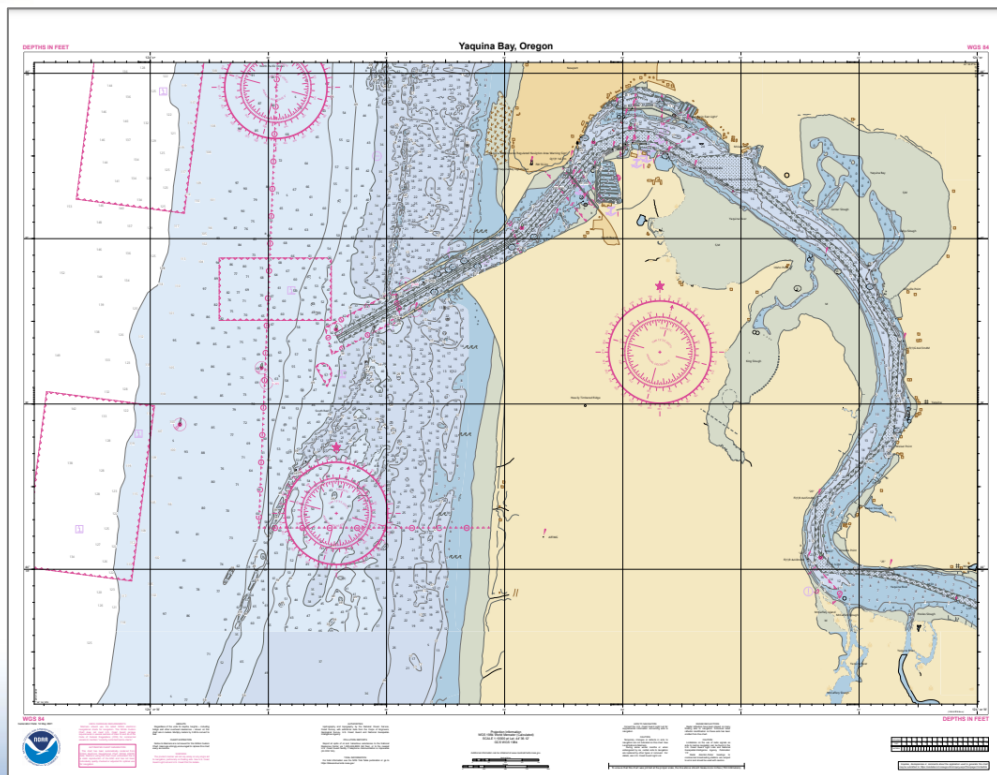
1 : 120,000 Scale



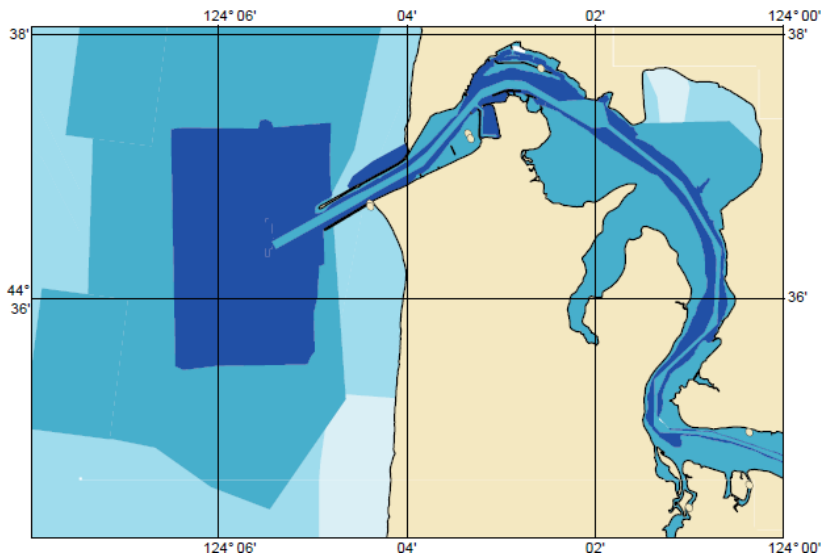
1 : 80,000 Scale



Non-Chart NCC Output on 8.5" x 11" Pages



Zone of Confidence (ZOC) Diagram



Darker blue shows areas surveyed with more precise methods

ZOC CATEGORIES

ZOC	COLOR	POSITION ACCURACY	DEPTH ACCURACY	SEAFLOOR COVERAGE
A1		$\pm 5 \text{ m}$ $\pm 16.4 \text{ ft}$	$= 0.50 \text{ m} + 1\% \text{ d}$ $= 1.6 \text{ ft} + 1\% \text{ d}$ $= 0.3 \text{ fm} + 1\% \text{ d}$	All significant seafloor features detected.
A2		$\pm 20 \text{ m}$ $\pm 65.6 \text{ ft}$	$= 1.00 \text{ m} + 2\% \text{ d}$ $= 3.3 \text{ ft} + 2\% \text{ d}$ $= 0.6 \text{ fm} + 2\% \text{ d}$	All significant seafloor features detected.
B		$\pm 50 \text{ m}$ $\pm 164.0 \text{ ft}$	$= 1.00 \text{ m} + 2\% \text{ d}$ $= 3.3 \text{ ft} + 2\% \text{ d}$ $= 0.6 \text{ fm} + 2\% \text{ d}$	Uncharted features hazardous to surface navigation are not expected but may exist.
C		$\pm 500 \text{ m}$ $\pm 1640.4 \text{ ft}$	$= 2.00 \text{ m} + 2\% \text{ d}$ $= 6.6 \text{ ft} + 2\% \text{ d}$ $= 1.1 \text{ fm} + 2\% \text{ d}$	Depth anomalies may be expected.
D		Worse than ZOC C	Worse than ZOC C	Large depth anomalies may be expected.
U		Unassessed - The quality of the bathymetric data has yet to be assessed.		



Chart and Feature Specific Notes

Yaquina Bay, Oregon

NOAA CUSTOM CHART
NOTES GEOSPATIAL DATABASE
VERSION 1.0 - 30 MARCH 2021

The records of the NOAA Custom Chart Notes Geospatial Database are current as of March 30, 2021. Subsequent additions and refinements are to be expected. Please refer to all available navigational publications for complete information about the charted area.

CHART EXPIRATION

Notice to Mariners are not issued for this NOAA Custom Chart. Users are strongly encouraged to replace this chart every six months.

HEIGHTS

Regardless of the units for depths, heights - including bridge and other overhead clearances - shown on this chart are in meters. Multiply meters by 3.28 to convert to feet.

TIDAL INFORMATION

For tidal information see the NOS Tide Table publication or go to <https://tidesandcurrents.noaa.gov>.

ABBREVIATIONS

For complete list of Symbols and Abbreviations, see Chart No. 1.

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).

USCG CARRIAGE REQUIREMENTS

Mariners should use the electronic navigational aid (ENA) navigation. This NOAA Custom Chart does not meet U.S. Coast Guard carriage requirements in sections of Titles 33 and Code of Federal Regulations concerning commercial vessels to "currently corrected marine

AUTOMATED CHART GENERAL

This chart has been automatically rendered from NOAA's Navigational Chart (NOA) database. Mariners using this chart should understand this is a reproduction of the ENC and has been individually quality adjusted for optimal navigation.

AUTHORITIES

Hydrography and topographic data were obtained from the National Ocean Service, Coast and Geodetic Survey, with additional data from the U.S. Army Corps of Engineers, Geological Survey, and the U.S. Coast Guard and National Intelligence Agency.

COMMENTS REQUEST

Inquiries, discrepancies, or comments about the application to generate this chart should be submitted to: osdata.mcd.noaa.gov/idsr/inquiry.aspx?frompage=Content

SOUNDING DATUM

Soundings referred to Low Water (MLLW).

VERTICAL DATUM

Overhead clearances are given in Mean High Water (MHW).

Generation Date: 14 May 2021

Yaquina Bay, Oregon

AIDS TO NAVIGATION

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

CAUTION

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

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.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 10. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 11th Coast Guard District in Seattle, WA or at the Office of the District Engineer, Corps of Engineers in Portland, OR.

Refer to charted regulation section numbers.

CAUTION

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

CAUTION

USACE conducts hydrographic surveys to monitor navigation conditions. These surveys are not intended to detect underwater features. Uncharted features hazardous to surface navigation are not expected but may exist in federal channels. For more information visit <https://navigation.usace.army.mil/survey/hydro>.

RADAR REFLECTORS

Radar reflectors have been shown on many floating aids to navigation. Individual radar identification on these aids is omitted from this chart.

WARNING

The prudent mariner will rely solely on any single navigation, particularly electronic aids. See U.S. Coast Guard and U.S. Coast Pilot for details.

CAUTION LIMITATIONS ON THE USE OF SIGNALS

Limitations on the use of signals as aids to navigation can be found in the U.S. Light Lists and National Intelligence Agency Public Radio direction-finder (RDF) commercial broadcasting stations subject to error and should be used with caution.

COLREGS DEMARCATION

The Inland Navigational Rules of 1980 are in effect for transiting this area. The boundaries of this area are demarcated by COLREGS demarcation lines, which are governed by COLREGS: International Regulations for Preventing Collisions at Sea, 1972. The COLREGS line is defined in COLREGS 18-1140.

Yaquina Bay, Oregon

CAUTION SUBMERGED CABLES AND PIPELINES

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.

FLOAT AREA

A float area is found in the vicinity of the bend in the Yaquina River. Its position is approximate.

CHANGEABLE AREA

The entrance channel to Yaquina Bay is subject to change. Strangers to the area should not attempt to enter without a pilot.

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.

Newport, OR KTH-3 162.559MHz

Generation Date: 14 May 2021



Chart Settings

Use these settings to enter your chart parameters.
More information about chart scale, depth zone shades and other settings is in the User Guide.

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Orientation:	Portrait

Depth units:	Feet
Depth zones:	Four
Shallow:	5
Safety:	11
Deep:	17
Depth zone shades:	

Depth zones shallower than the entered values are tinted in the shade of blue shown. If no contour for the value exists in the ENC data, the next deeper contour is used. Depth zones deeper than the "Deep" value are displayed as white.

Create New Chart

Move Chart

After populating all fields, click Create New Chart, then click the map once at the center of your chart. Click Move Chart, then click and drag the chart outline to refine its position.

Thanks for Attending

