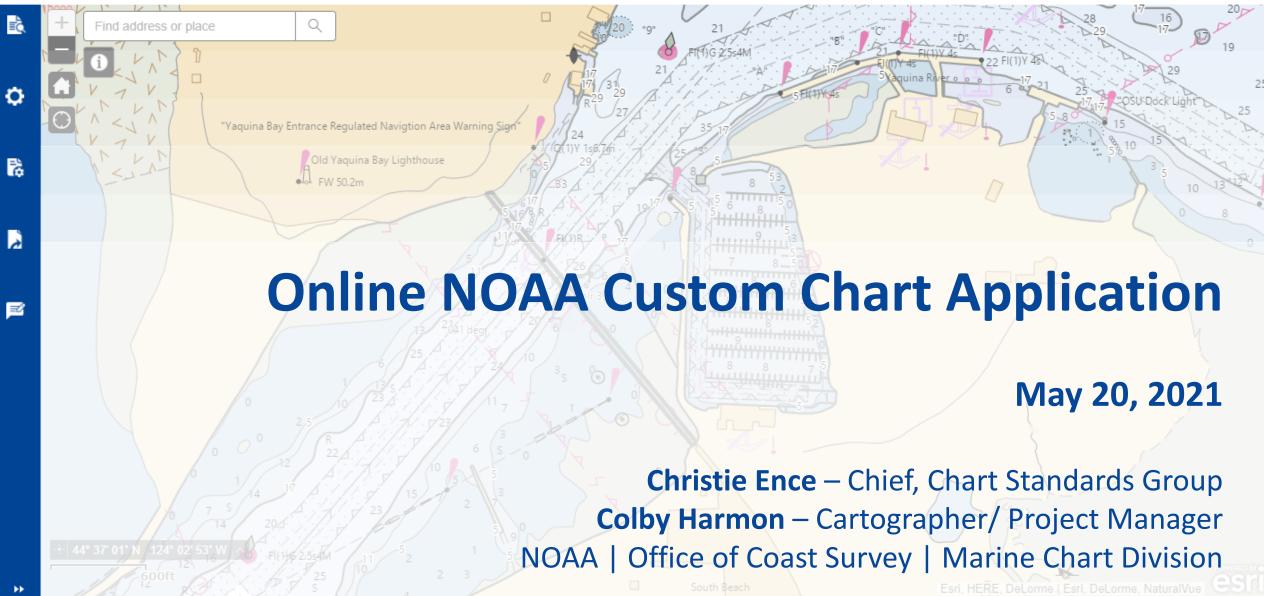
Choose your own chart scale and location



### NOAA Custom Chart Webinar Topics

- Background and Related Programs
- Chart Fundamentals
- NCC Application Settings
- Demonstration: Making a Chart
- Future NCC Enhancements
- Components of a NCC Chart
- Questions



### Paper and Raster Nautical Chart Products 83



- Announced in Nov 2019
- Scheduled to complete Jan 2025
   Products to be discontinued
  - Print-on-demand (POD) paper charts
  - Full-size chart PDFs
  - BookletChart™ PDFs
  - NOAA raster navigational charts (NOAA RNC®)

### Services to be shut down

- NOAA RNC Tile Service (Oct 1, 2021)
- Online RNC Viewer (Oct 1, 2021)
- Seamless RNC Services (Jan 1, 2022)



### NOAA Electronic Navigational Charts

### 107 newly reschemed ENC cells in Lake Superior

Paper charts & Legacy ENCs

Mostly 1:120,000

Reschemed ENCs:

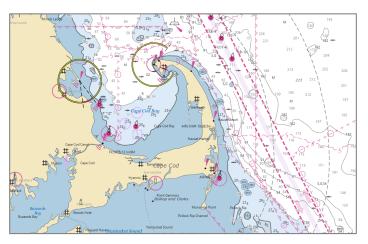
· 1:80,000

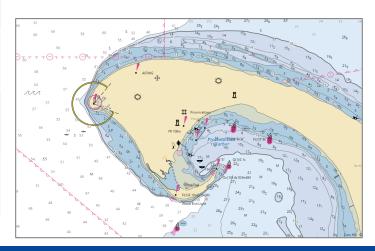
• Isle Royale 1:40,000

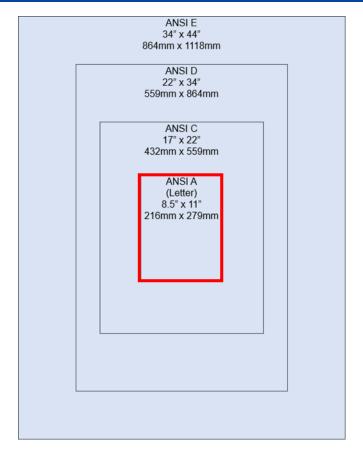




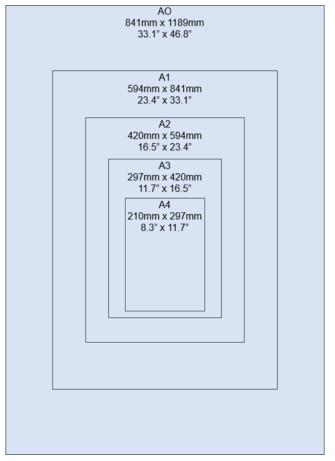
ENC Usage Band No.	Intended Use	Legacy NOAA ENC Scale Ranges	Reschemed NOAA ENC Scales	Scale	Detail Shown on Chart
1	Overview	1:10,000,000 1:587,870	1:5,120,000 1:2,560,000	Smaller	Less
2	General	1:1,534,076 1:240,000	1:1,280,000 1:640,000		
3	Coastal	1:600,000 1:150,000	1:320,000 1:160,000		
4	Approach	1:150,000 1:25,000	1:80,000 1:40,000		
5	Harbor	1:51,639 1:5,000	1:20,000 1:10,000		
6	Berthing	1:12,000 1:2,500	1:5,000	Larger	More





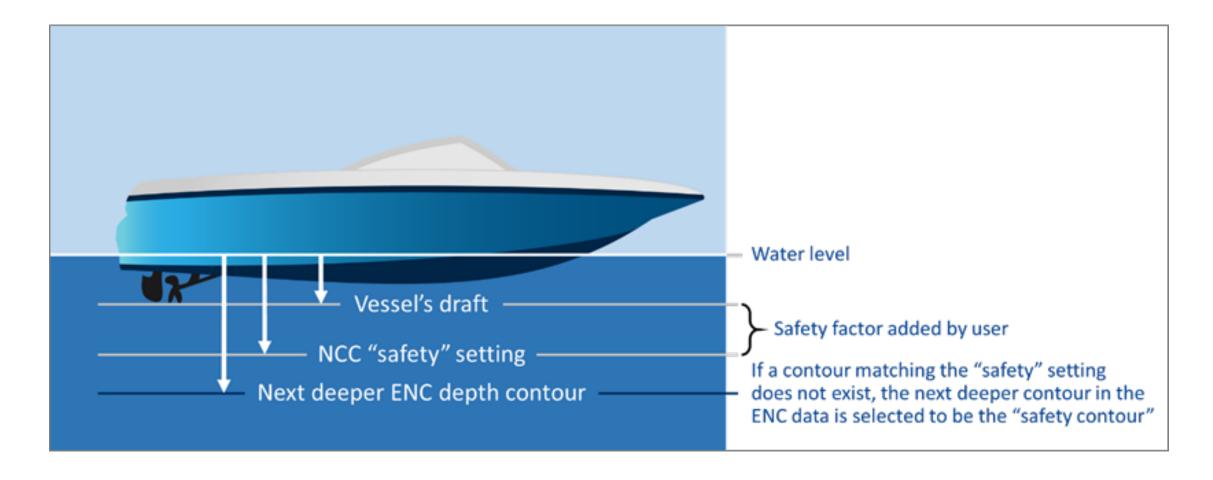


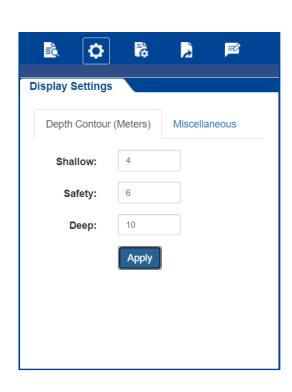
North American paper sizes Letter size in red

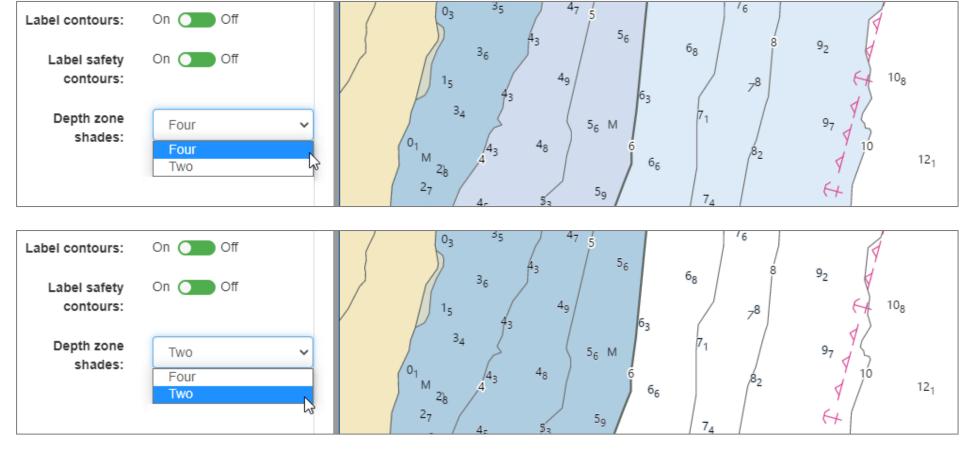


International paper sizes

- Coming soon
  - Legal 8.5" x 14"
  - Ledger/Tabloid 11"x 17"







83

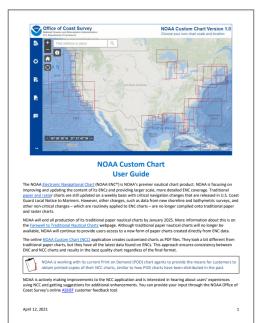
# Help Documentation Use the links below for instructions on how to use this site to download charts with desired chart settings and for chart legends. Quick Start Guide User Guide Creating a NOAA Custom Chart: Setting chart limits and outputting your customized nautical chart (5.05) Legend - U.S. Chart No. 1

### **Quick Start Guide**

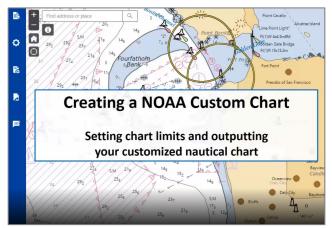


### **User Guide**

8



### Video Tutorial



### **Chart Symbology Guide**

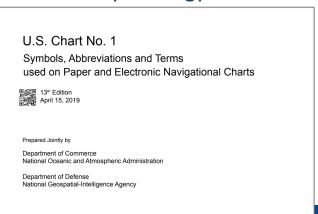




Chart Symbology - U.S. Chart No. 1

19

Areas, Limits INT NOAA NGA **ECDIS** Description Other NGA 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. Tint band may vary in width Maritime limit in general between 1-5 mm 1.1 usually implying permanent physical obstructions Caution area, a specific tint band for emphasis) caution note applies usually implying no permanent 1.2 physical obstructions tint band for emphasis) \_\_\_\_\_ Limit of restricted area 2.1 RESTRICTED AREA prohibited or restricted tint band for emphasis) or to be avoided  $\triangle$   $\triangle$   $\triangle$ Area where entry is prohibited or restricted or to be avoided, with PROHIBITED AREA other cautions Limit of area into which entry is 2.2 prohibited PROHIBITED AREA Area where entry is prohibited or restricted Entry Prohibited or to be avoided, with other information  $\triangle$   $\triangle$   $\triangle$ Anchorages, Anchorage Areas Anchorage area as a Reported anchorage (no defined point at small scale, or J anchor points of mooring trot at large scale (14)11.1 Anchor berth Anchor berths with swinging Radius of swing circle is obtained by O D-17 D17 11.2 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.

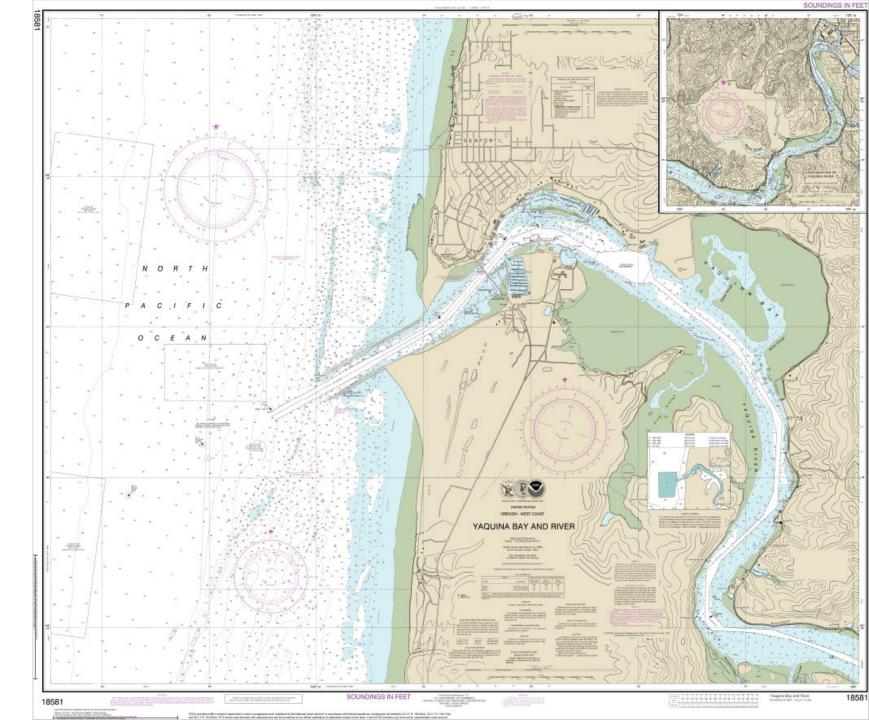


### Yaquina Bay, Oregon

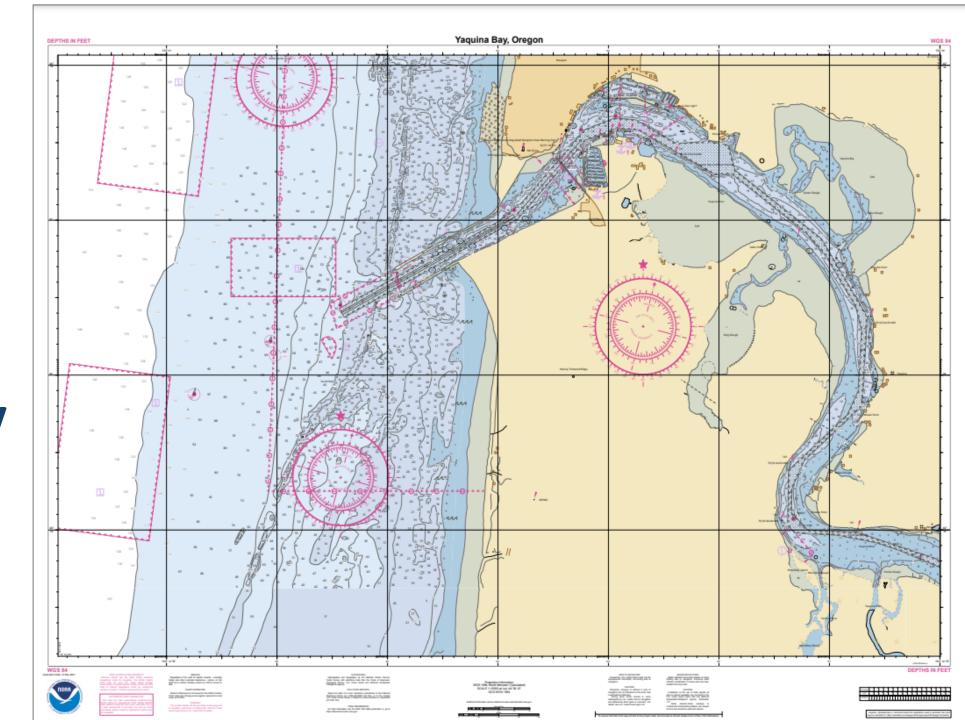


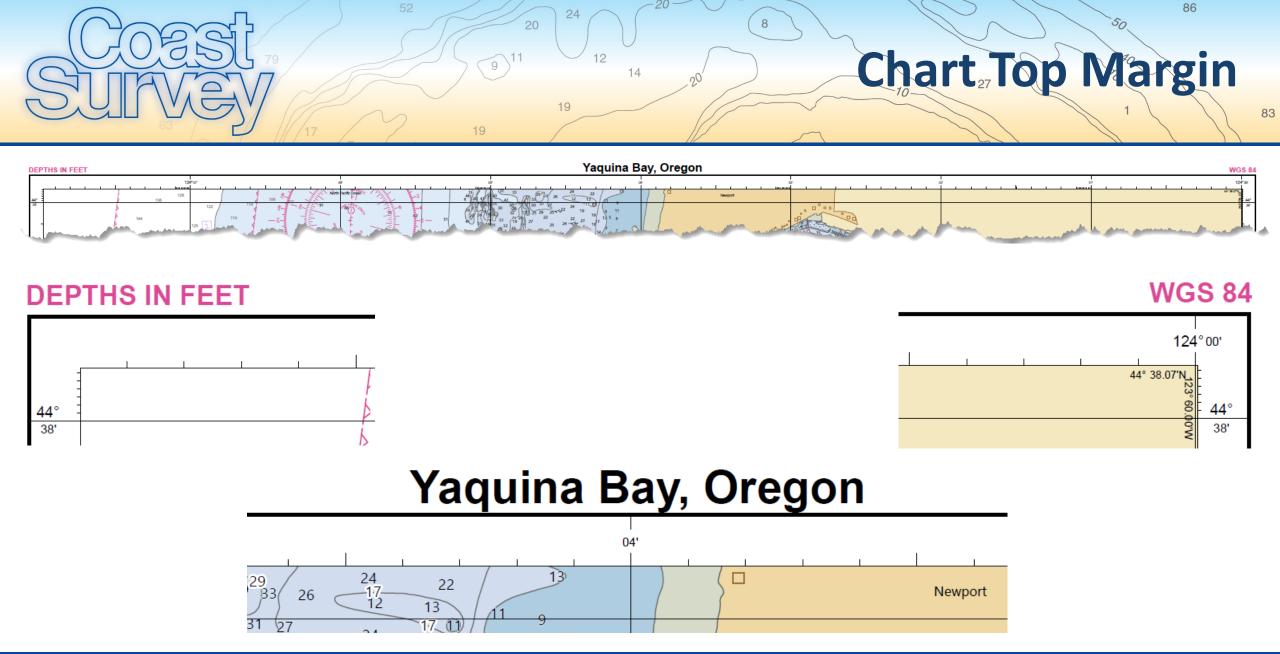
**Application Settings & Demonstration** 

### NOAA Traditional Chart 18581

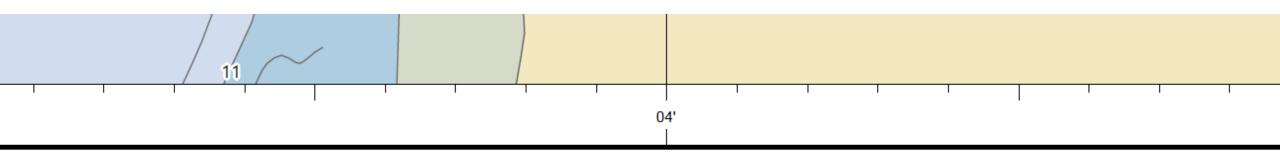


## NOAA Custom Chart Yaquina Bay



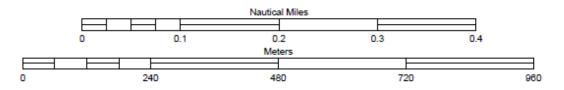


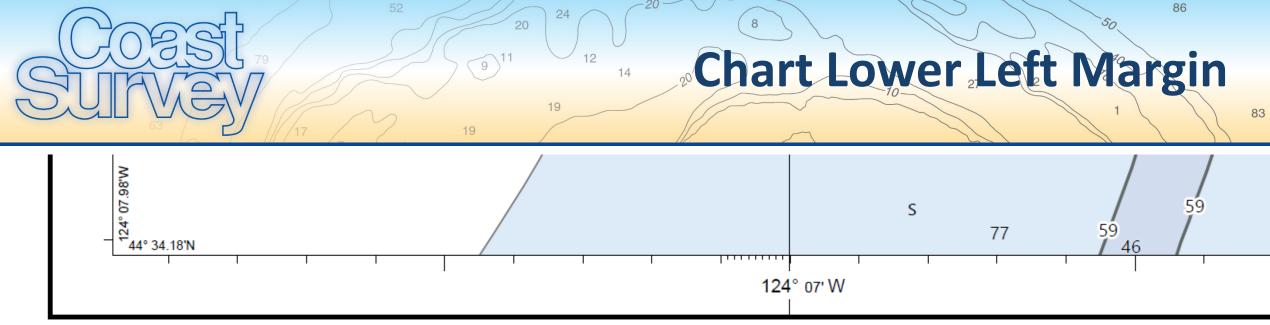




Projection Information
WGS 1984 World Mercator (Calculated)
SCALE 1:10000 at Lat. 44°36.12'
GCS WGS 1984

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





### **WGS 84**

Generation Date: 14 May 2021



### USCG CARRIAGE REQUIREMENTS

Mariners should use the latest NOAA electronic navigational charts for navigation. This NOAA Custom Chart does not meet U.S. Coast Guard carriage requirements in several sections of titles 33 and 46 of the Code of Federal Regulations (CFR) for commercial vessels to maintain "currently corrected marine charts."

### AUTOMATED CHART GENERATION

This chart has been automatically rendered from NOAA Electronic Navigational Chart (NOAA ENC®) data. Mariners using this chart must understand this is a static reproduction of the ENC and has not been individually quality checked or adjusted for optimal use for navigation.

### 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.

### CHART EXPIRATION

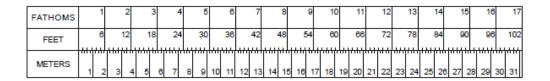
Notice to Mariners are not issued for this NOAA Custom Chart. Users are strongly encouraged to replace this chart every six months.

### 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.

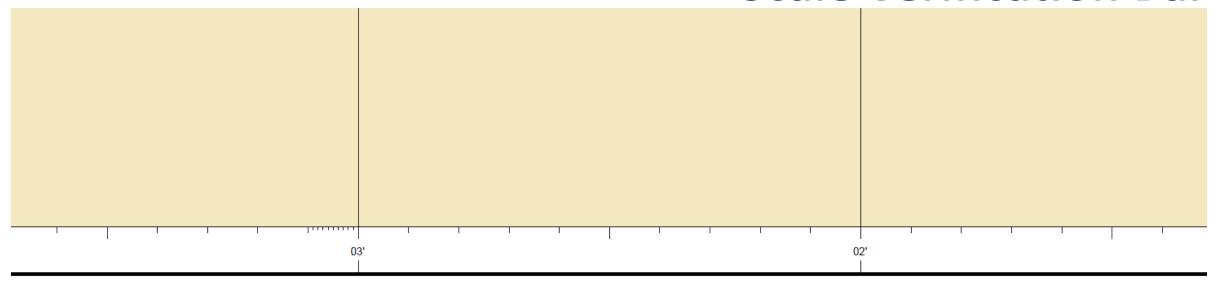
### **DEPTHS IN FEET**

83



Inquiries, discrepancies or comments about the application used to generate this chart may be submitted to: https://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

### **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

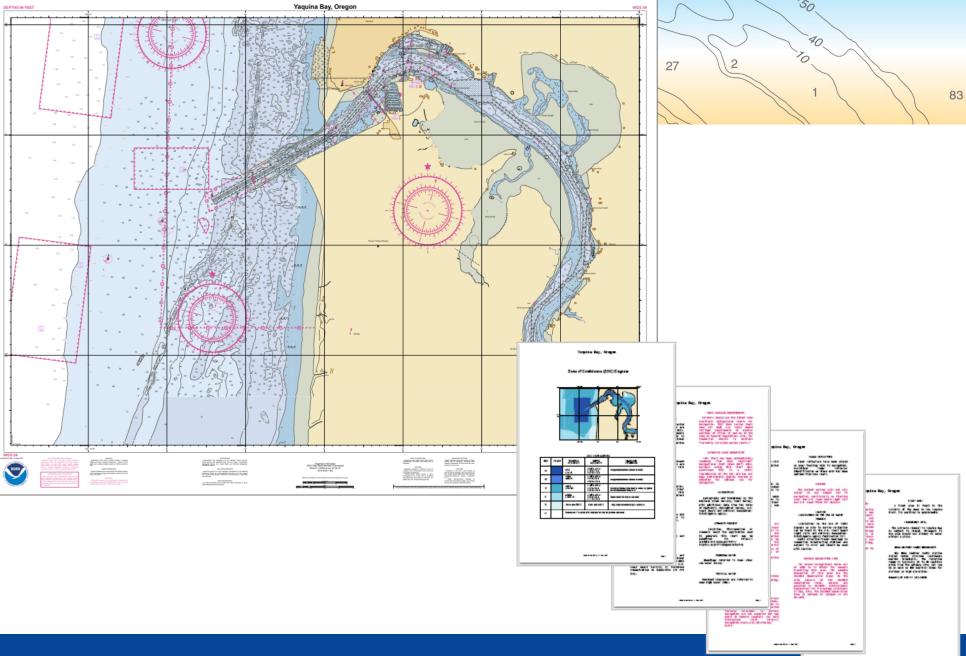
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

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).

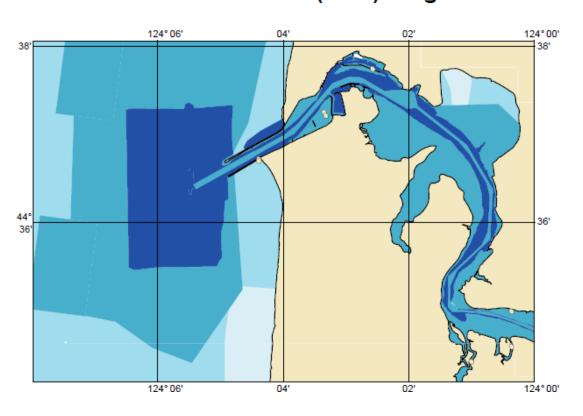


## Other NCC Pages



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### 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		± 5 m ± 16.4 ft	= 0.50 m +1% d = 1.6 ft +1% d = 0.3 fm +1% d	All significant seafloor features detected.		
A2		± 20 m ± 65.6 ft	= 1.00 m +2% d = 3.3 ft +2% d = 0.6 fm +2% d	All significant seafloor features detected.		
В		± 50 m ± 164.0 ft	= 1.00 m +2% d = 3.3 ft +2% d = 0.6 fm +2% d	Uncharted features hazardous to surface navigation are not expected but may exist.		
С		± 500 m ± 1640.4 ft	= 2.00 m +2% d = 6.6 ft +2% d = 1.1 fm +2% 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

Notes shown within a traditional chart are placed on separate 8.5" x 11" sheets after the NCC chart image.

### 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 available navigational publications for complete information

### 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

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

### POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR

### USCG CARRIAGE REQUIREMENTS

Mariners should use the latest NOAA electronic navigational charts for navigation. This NOAA Custom Chart carriage requirements in several sections of titles 33 and 46 of the "currently corrected marine charts."

### AUTOMATED CHART GENERATION

This chart has been automatically rendered from NOAA Electronic Navigational Chart (NOAA ENC®) data. Mariners using this chart must understand this is a static adjusted for optimal use for navigation.

### AUTHORITIES

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

### COMMENTS REQUEST

Inquiries, discrepancies or comments about the application used to generate this chart may be submitted to: https:// ocsdata.ncd.noaa.gov/idrs/ inquiry.aspx?frompage=ContactUs

### SOUNDING DATUM

Soundings referred to Mean Lower Low Water (MLLW).

### VERTICAL DATUM

Overhead clearances are referred to Mean High Water (MHW)

Separation Date: 16 May 2021

### Yaquina Bay, Oregon

### AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List 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.

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 10. Additions or revisions to 2 are published in the to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th 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

CAUTION Improved channels shown by broken

USACE conducts hydrographic surveys to monitor navigation conditions. These surveys are not intended to detect underwater features. Uncharted navigation are not expected but may exist in federal channels. For more navigation.usace.army.mil/Survey/

### 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.

### MARNITNIS

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.

### CAUTTON LIMITATIONS ON THE USE OF RADIO

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.

### COLREGS DEMARCATION LINE

The Inland Navigational Rules Act of 1980 is in effect for vessels transiting this area. The seaward boundaries of this area are the COLREGS demarcation lines. In the area seaward of the COLREGS demarcation lines, vessels are governed by COLREGS: International line is defined in COLREGS 33 CFR

### Yaquina Bay, Oregon

### 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

### NOAA WEATHER RADIO BROADCASTS

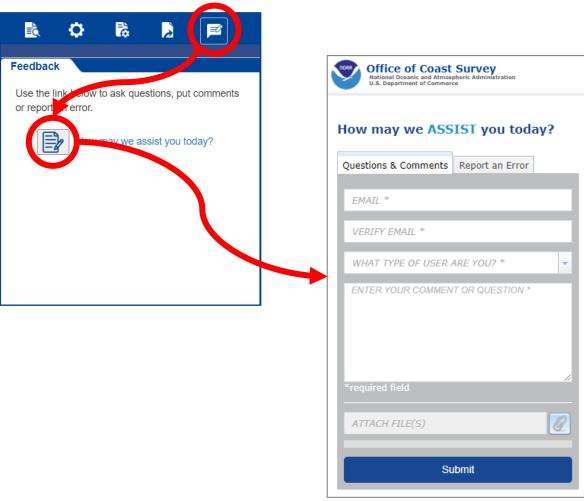
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Newport,OR KIH-33 162.55MHz

Generation Date: 54 May 2021

Generation Date: 14 May 2021





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

- COEST 79 SUITVEV
  - Additional paper sizes
  - Means for Print on Demand (POD) Agents to provide NCC charts
  - Improved symbology (lines, areas), and Labels
  - Improved display of text
  - Improved display of compass roses
  - Subscription service
    - Enable chart extents to be saved
    - Enable notifications when relevant chart data changes

### NOAA Custom Chart Version 1.0

Choose your own chart scale and location



### **NOAA Custom Chart**

Webinar documents will be posted at: https://nauticalcharts.noaa.gov

**Presentation Slides Video Recording Transcript** 



