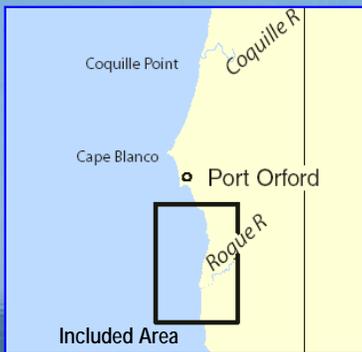


# BookletChart™

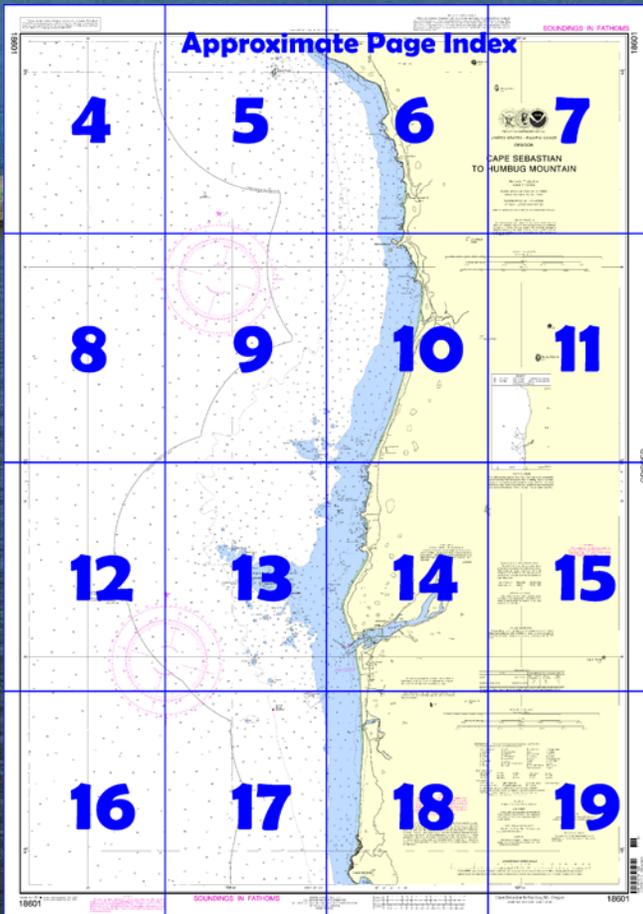
## Cape Sebastian to Humbug Mountain NOAA Chart 18601



*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](http://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.

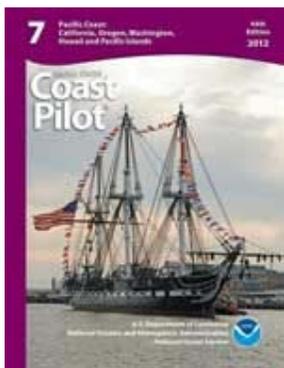
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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=18601>.



**(Selected Excerpts from Coast Pilot)**

**Cape Sebastian** is 33.5 miles N of Point St. George. A rock covered 1¾ fathoms that seldom breaks is 0.5 mile offshore, 0.9 mile NW of the W extremity of the cape.

From Cape Sebastian for 6 miles to the mouth of Rogue River, the coast is considerably broken and has a few outlying rocks.

The outer of three exposed rocks off the entrance to **Hunter Creek**, 3.7 miles N of Cape Sebastian, lies 0.5 miles offshore.

**Rogue River**, 6 miles N of Cape Sebastian, is an important sport fishing stream. Several float landings and a hoist for trailer-drawn craft are just

above the old lumber dock on the N side of the river near the mouth. **Gold Beach**, on the opposite side of the river from **Wedderburn**, is the larger town. The entrance to Rogue River is protected by stone jetties; buoys mark the approach. A seasonal light and sound signal are on the seaward end of the NW jetty. A **Federal project** provides for a 13-foot entrance channel from the ocean along the N jetty to a point about 0.4 mile above the NW jetty light. At this point, a dredged access channel continues ENE from the entrance channel then turns sharply SSE and leads between two jetties to a boat basin at Gold Beach. (See Notice to Mariners and latest editions of charts for controlling depths.)

**Coast Guard.**—The Coast Guard has a seasonal lifeboat station in the boat basin that operates from June to mid-September and can be reached on VHF-FM channel 12.

The Coast Guard has established Rogue River Regulated Navigation Area Warning Sign, a seasonal **rough bar advisory sign**, on the N side of the river, 0.6 mile upstream of the entrance, to promote safety for small-boat operators. The sign is diamond-shaped, painted with an international orange border, and with the words "**Rough Bar**" in black letters. The sign is equipped with two quick flashing amber lights that will be activated when hazardous conditions exist and the bar is restricted to recreational and uninspected passenger vessels. Boaters are cautioned, however, that if the lights are not flashing, it is no guarantee that sea conditions are favorable.

A **heavy weather flag**, a square RED flag with a square BLACK center, will be displayed on a pole that is located near the S side of the Coast Guard lifeboat station and is visible to mariners from both directions to indicate that winds 48 knots and above are forecast for the area. Display of flags are required from one hour before sunrise to one hour after sunset. Weather flags are flown at select Coast Guard stations to supplement other weather notification sources. Light signals corresponding to these flags are not displayed at night. In all cases mariners should rely upon National Weather Service broadcasts as their primary source of government provided weather information.

**Caution.**—The controlling depths in Rogue River channel and basin are usually considerably less than project depth and are subject to continual and pronounced change; vessels are advised not to enter the river without local knowledge.

About 200 berths, some with electricity, gasoline, diesel fuel, water, ice, launching ramps, wet and dry winter storage, and marine supplies, are available in Gold Beach.

The N head at Rogue River entrance that reaches a height of 700 feet a mile N of the river, the marked depression in the coast range made by the river valley, and the rocks of Rogue River Reef are prominent from seaward.

**Rogue River Reef**, extending over 4 miles NW from Rogue River entrance, includes many visible and covered rocks; because of the broken bottom, vessels should stay over 5 miles offshore when passing this area. A 0.5-mile-wide channel separates the reef from the beach, but it is not safe to use without local knowledge. **Northwest Rock**, 4 miles NW of Rogue River entrance, is the outermost visible rock of the reef. A rock, covered 2½ fathoms, is 0.3 mile W of Northwest Rock. **Needle Rock**, 1.1 miles SE of Northwest Rock, is the most prominent of the rocks in the reef; the needle is on the S side. N of Rogue River the coast trends N for 10 miles and then NW to Cape Blanco.

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

RCC Seattle      Commander  
13<sup>th</sup> CG District      (206) 220-7001  
Seattle, WA

# Table of Selected Chart Notes

Corrected through NM Feb. 10/07  
Corrected through LNM Jan. 30/07

## HEIGHTS

Heights in feet above Mean High Water.

## AIDS TO NAVIGATION

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

## 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.

Port Orford, OR	WNG-596	162.425 MHz
Brookings, OR	KIH-37	162.55 MHz

## CAUTION

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

## 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.

## AUTHORITIES

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

## 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

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

Mercator Projection  
Scale 1:40,000

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS  
AT MEAN LOWER LOW WATER

Private buoys mark the channel into the Port of Gold Beach, 4 red drums on the right side and 4 green drums on the left side when returning from sea.

Rogue River North Jetty Light 3, Danger Rock Buoy 5, and Entrance Small Boat Warning Sign are maintained from May 20 to Oct 01.

## NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. 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, 13th Coast Guard District in Seattle, Washington, or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.  
Refer to charted regulation section numbers.

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.  
Demarcation lines are shown thus: - - - - -

## 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).

## 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 0.615' southward and 4.366' westward to agree with this chart.

## 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.

## NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

## ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
A/ alternating	IQ interrupted quick	N nun	Rot rotating
B black	Is isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

### Bottom characteristics:

Bids boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

### Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.  
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

## TIDAL INFORMATION

PLACE	Height referred to datum of soundings (MLLW)	Height referred to datum of soundings (MLLW)		
		Mean Higher High Water	Mean High Water	Mean Low Water
NAME	(LAT/LONG)	feet	feet	feet
Wedderburn, Rogue River	(42°26'N/124°25'W)	6.7	6.0	1.1

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov>. (Nov 1997)

## ROGUE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			DATE OF SURVEY	PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER		WIDTH (FEET)	LENGTH (MILES)	DEPTH (FEET)
ENTRANCE	8.0	7.0	10.0	8-12	300	1.2	13
ENTRANCE TO BOAT BASIN	7.0	8.0	7.0	6-11	100	0.5	10

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

Private buoys mark the channel into the Port of Gold Beach, 4 red drums on the right side and 4 green drums on the left side when returning from sea.

Rogue River North Jetty Light 3, Danger Rock Buoy 5, and Entrance Small Boat Warning Sign are maintained from May 20 to Oct 01.

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Refer to charted regulation section numbers.

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.  
Demarcation lines are shown thus: - - - - -

## POLLUTION REPORTS

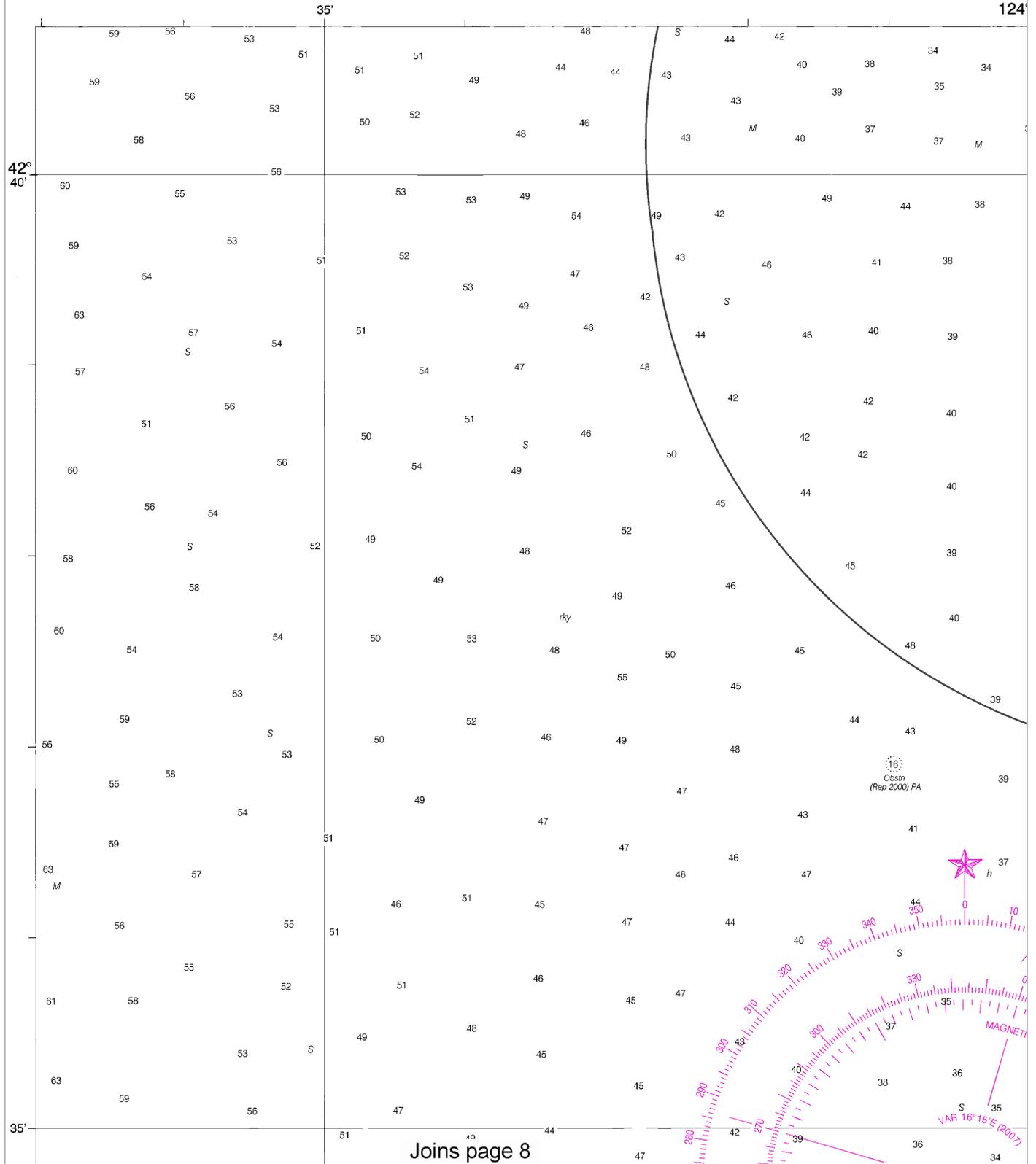
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

## 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 0.615' southward and 4.366' westward to agree with this chart.

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.

18601



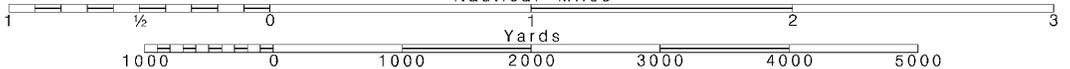
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Note: Chart grid lines are aligned with true north.

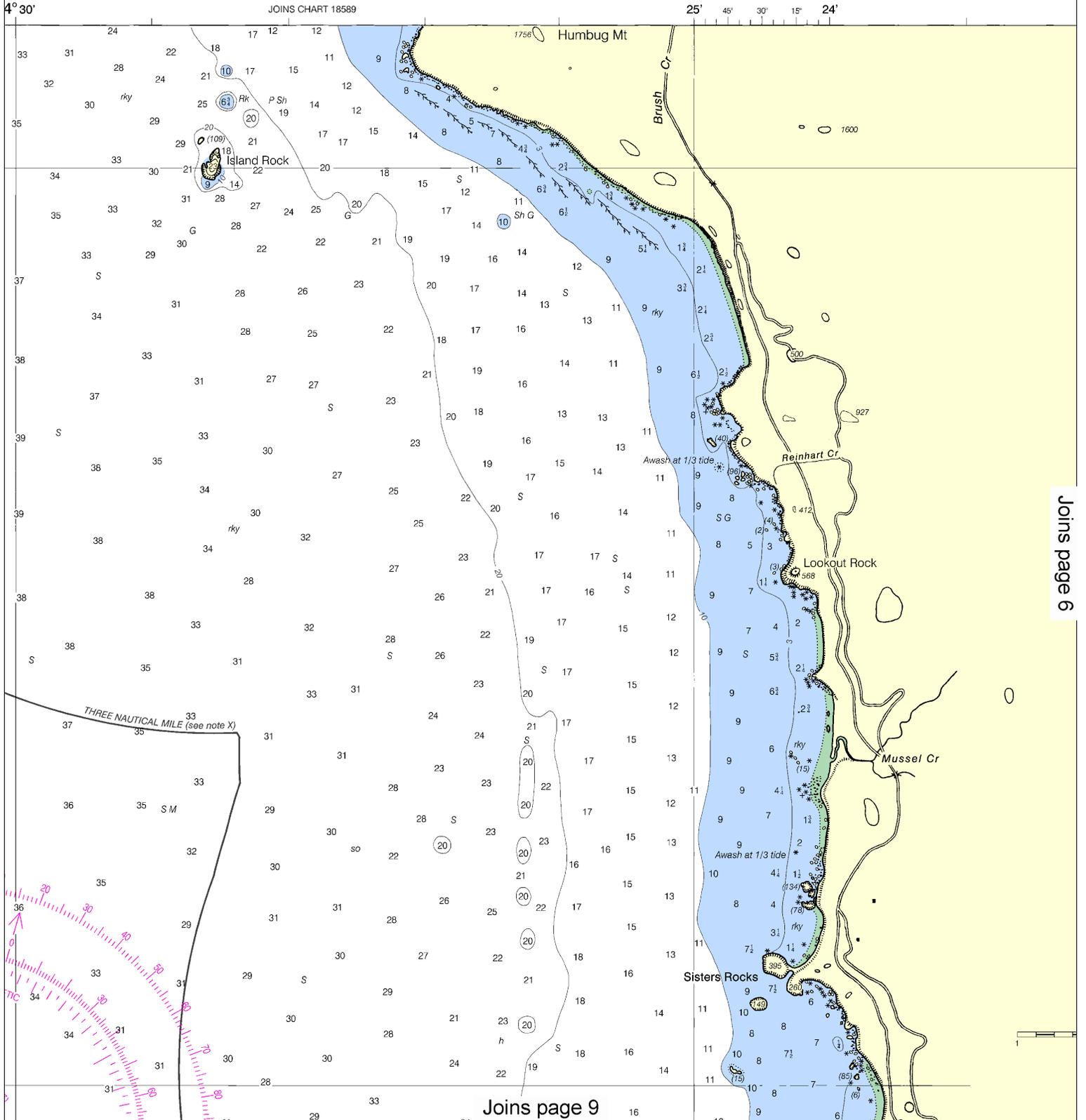
Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.



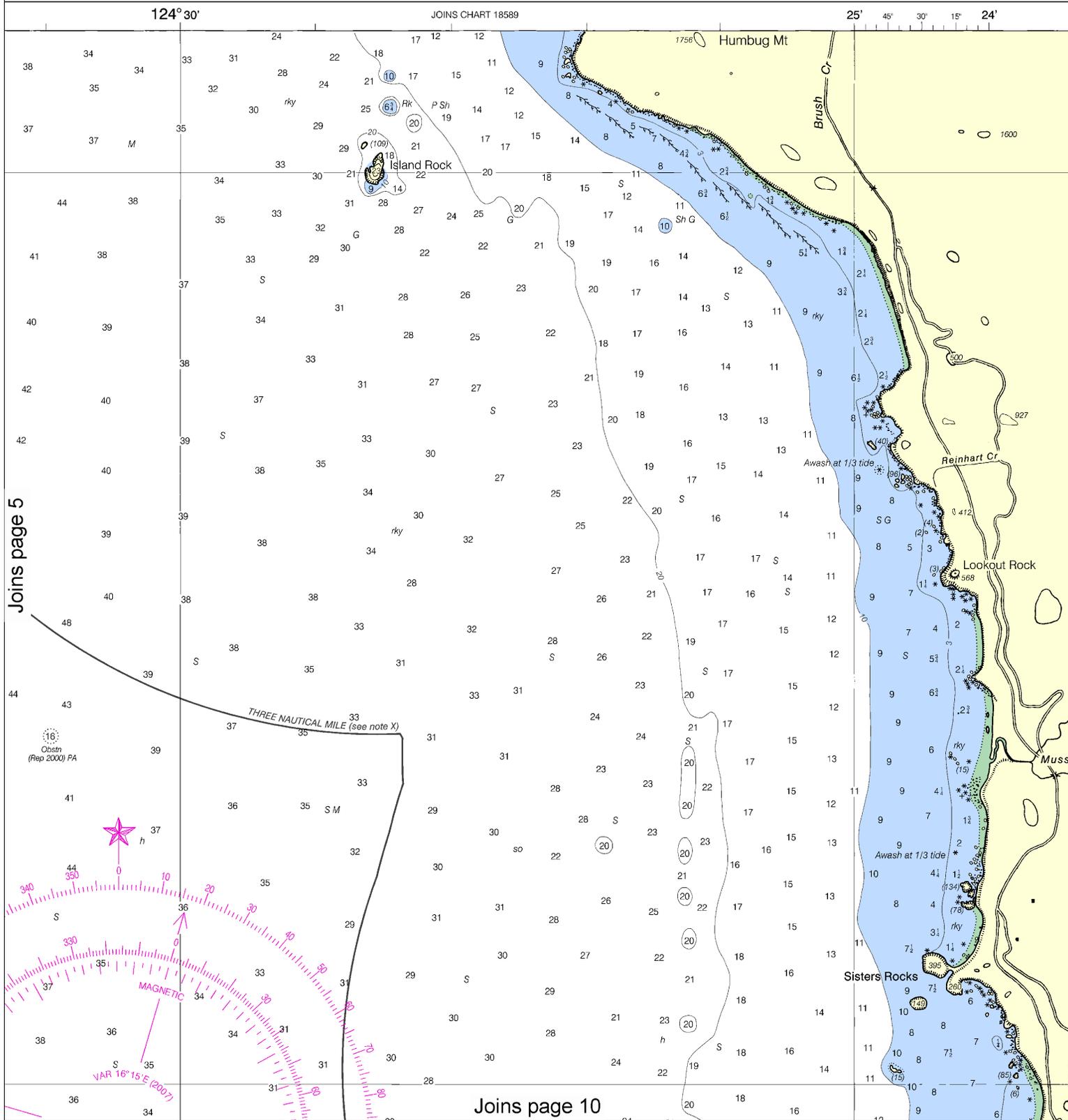
Formerly C&GS 5951, 1st Ed., Feb. 1893 V-1893-14 KAPP 1801



Joins page 6

Joins page 9

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.



Joins page 5

Joins page 10

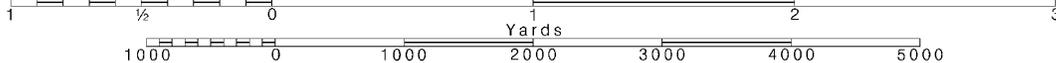
6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.



PRINT-ON-DEMAND CHARTS

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

# SOUNDINGS IN FATHOMS

18601

124° 20'

Bald Mt  
2973

Rocky Peak  
3040

42°  
40'



THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - PACIFIC COAST

OREGON

## CAPE SEBASTIAN TO HUMBUG MOUNTAIN

Mercator Projection  
Scale 1:40,000

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS  
AT MEAN LOWER LOW WATER

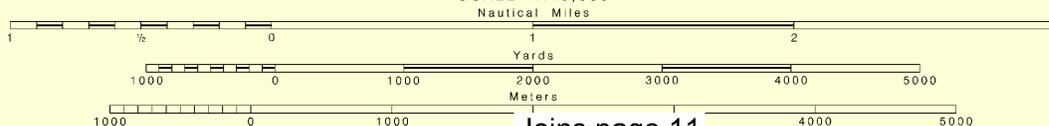
Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

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 0.615" southward and 4.366" westward to agree with this chart.

2077  
Colebrook  
Butte

SCALE 1:40,000

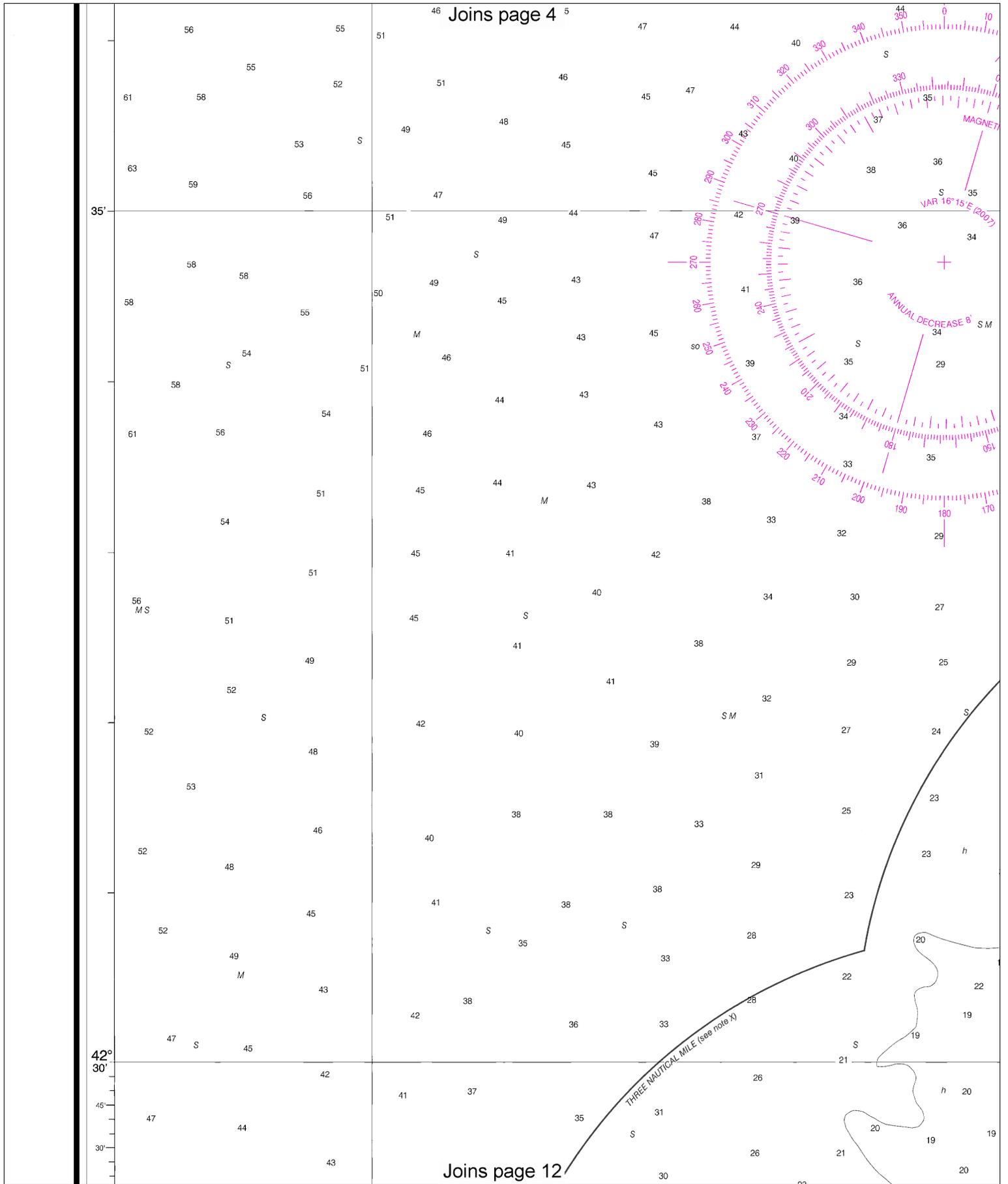


Joins page 11

35'

This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4812 11/27/2012,  
NGA Weekly Notice to Mariners: 4812 12/1/2012,  
Canadian Coast Guard Notice to Mariners: 0912 9/28/2012.



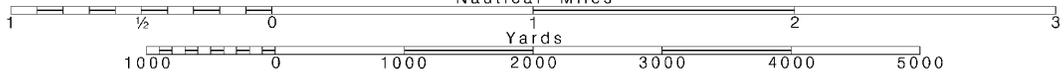


Note: Chart grid lines are aligned with true north.

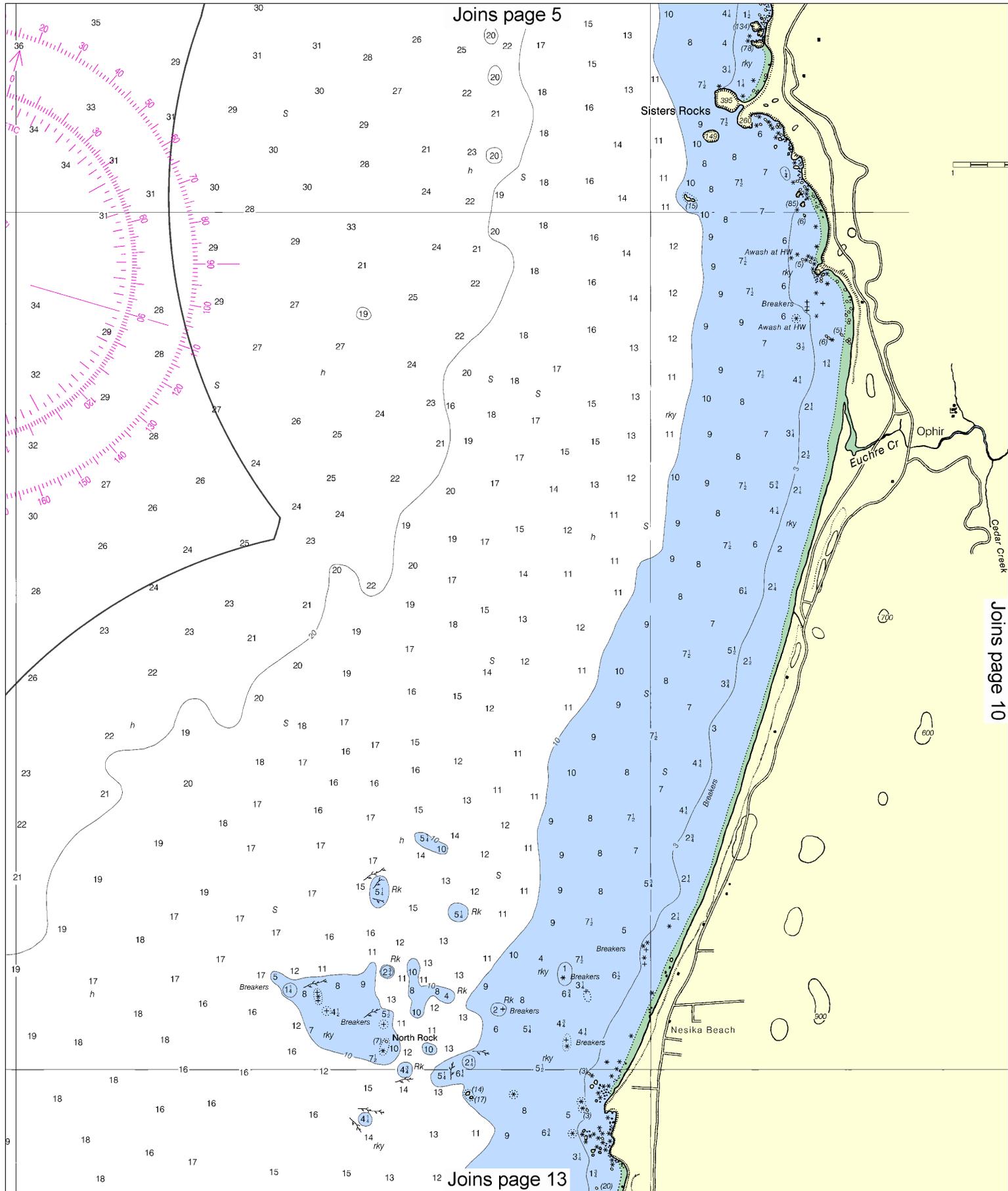
Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.



Joins page 5



Sisters Rocks

Euclife Cr

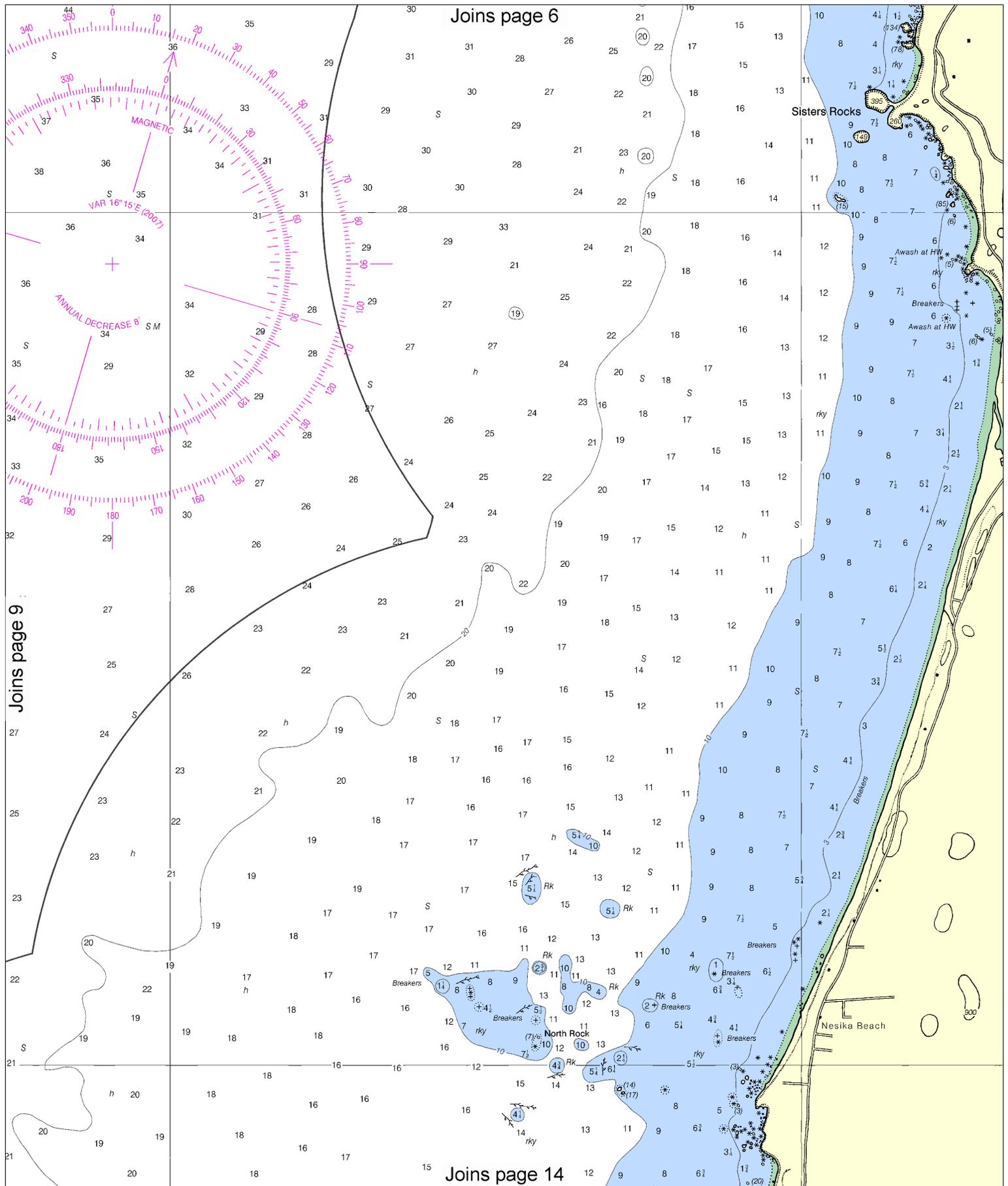
Ophir

Cedar Creek

Nesika Beach

Joins page 13

Joins page 10



Joins page 6

Sisters Rocks

Nesika Beach

Joins page 14

Joins page 9

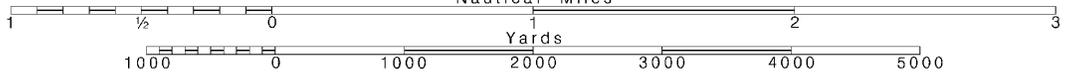
**10**

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.

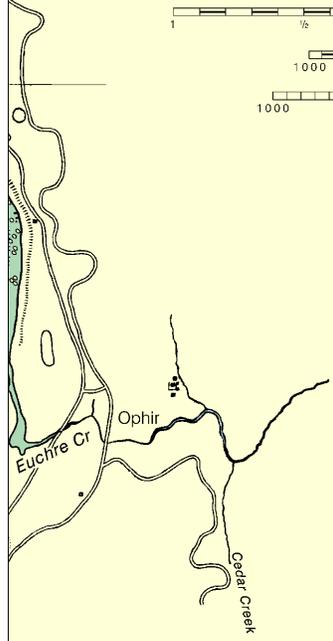
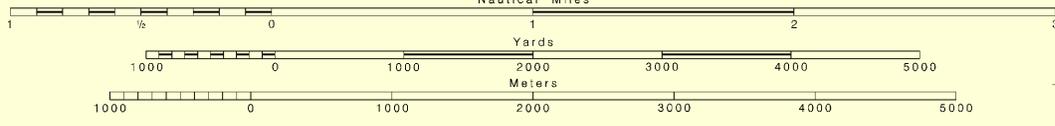


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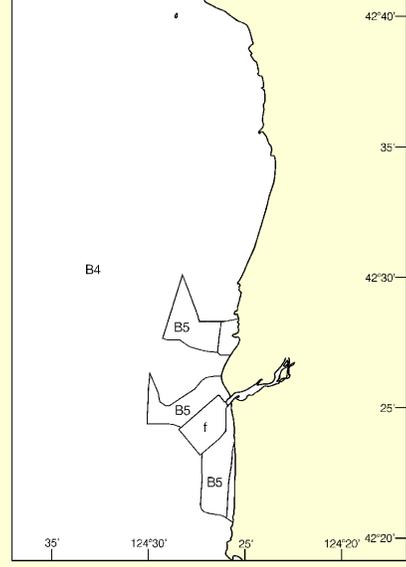
Joins page 7

2077  
O Colebrook Butte

SCALE 1:40,000



SOURCE		
B4	1900-1939	NOS Surveys partial bottom coverage
B5	Pre-1900	NOS Surveys partial bottom coverage
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 Engineer are not shown on this diagram. Refer to Joins page 15 for details.

GRIPPER

Joins page 8

42° 30' 15' 29'

25'

THREE NAUTICAL MILE (see note X)

Subm buoy PA (cov 40 fms rep)  
Subm buoy PA (cov 9 fms rep)  
Subm buoy (cov 3 fms rep)



MAGNETIC  
VAR 16° 15' E (2007)

ANNUAL DECREASE

Joins page 16

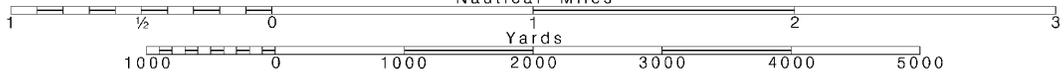
12

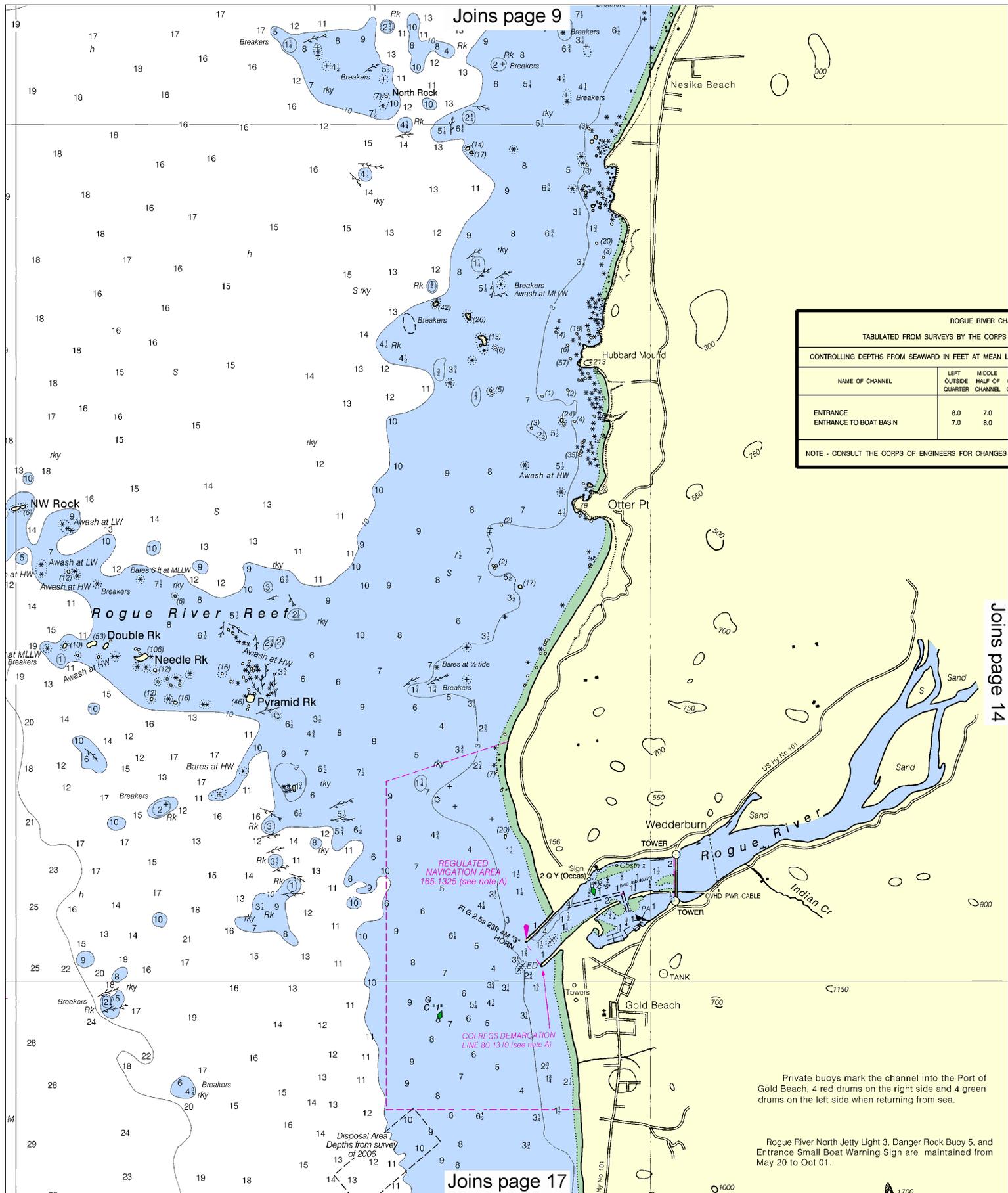
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.



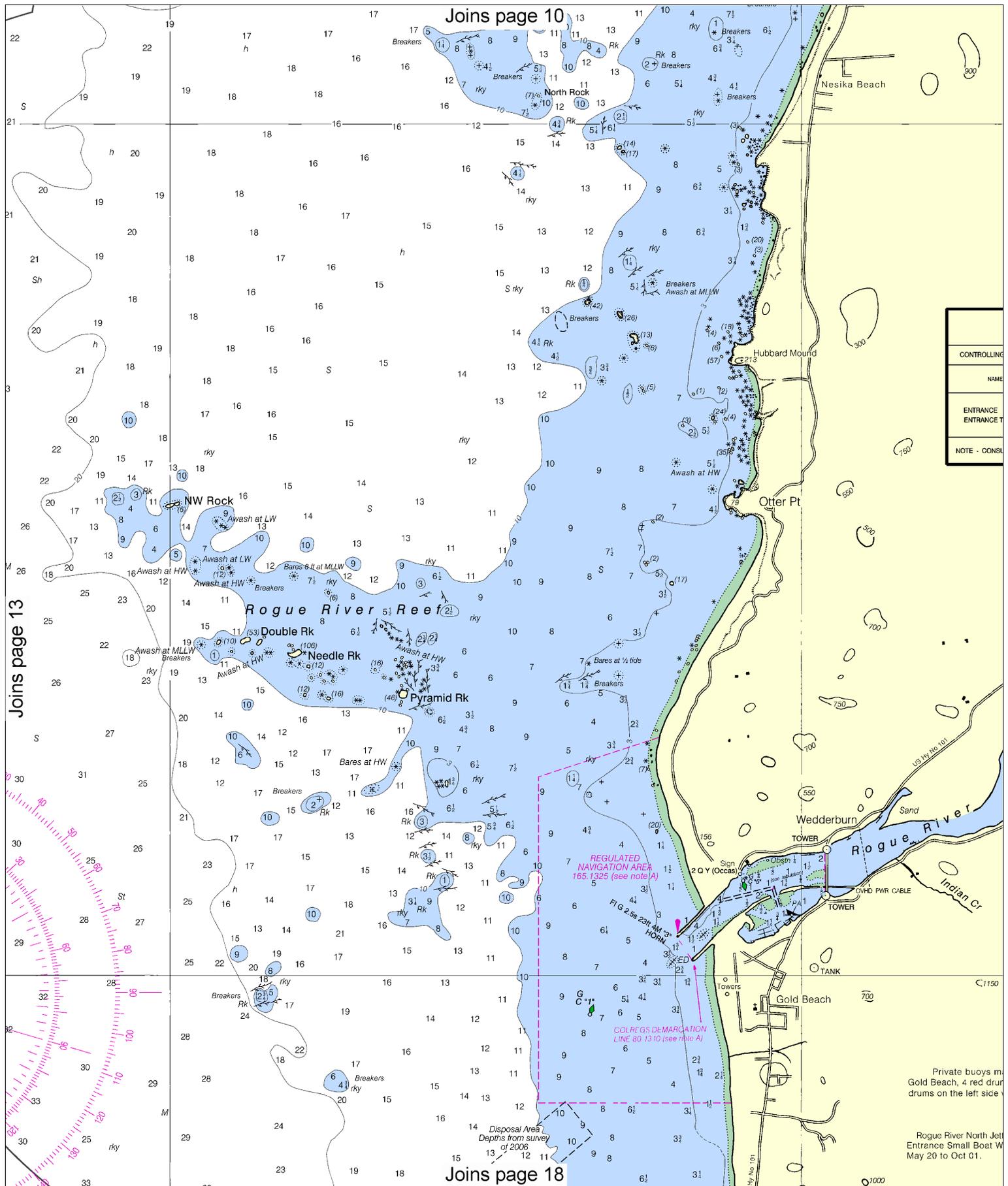


ROGUE RIVER CH		
TABULATED FROM SURVEYS BY THE CORPS		
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN L		
NAME OF CHANNEL	LEFT OUTSIDE HALF OF CHANNEL	MIDDLE HALF OF CHANNEL
ENTRANCE	8.0	7.0
ENTRANCE TO BOAT BASIN	7.0	8.0

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES

Private buoys mark the channel into the Port of Gold Beach, 4 red drums on the right side and 4 green drums on the left side when returning from sea.

Rogue River North Jetty Light 3, Danger Rock Buoy 5, and Entrance Small Boat Warning Sign are maintained from May 20 to Oct 01.



**14**

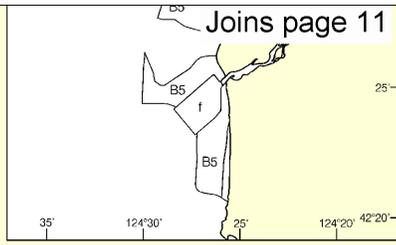
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Printed at reduced scale.

SCALE 1:40,000  
Nautical Miles

See Note on page 5.





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42°  
30'  
45'  
30'  
15'  
29'

ROGUE RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012							
SOUNDING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH (FEET)
FROM BOAT BASIN	8.0	7.0	10.0	8-12	300	1.2	13
	7.0	8.0	7.0	6-11	100	0.5	10

CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE 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.

NOAA WEATHER RADIO BROADCASTS

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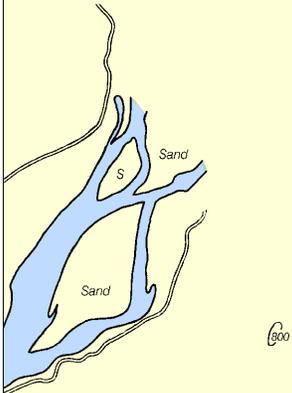
Port Orford, OR WNG-596 162.425 MHz  
Brookings, OR KIH-37 162.55 MHz

RADAR REFLECTORS

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POLLUTION REPORTS

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Signal Buttes  
3512

TIDAL INFORMATION

PLACE	Height referred to datum of soundings (MLLW)	Mean Higher High Water		
		Mean Higher High Water	Mean High Water	Mean Low Water
NAME (LAT/LONG)	feet	feet	feet	feet
Wedderburn, Rogue River (42°26'N/124°25'W)	6.7	6.0	6.0	1.1

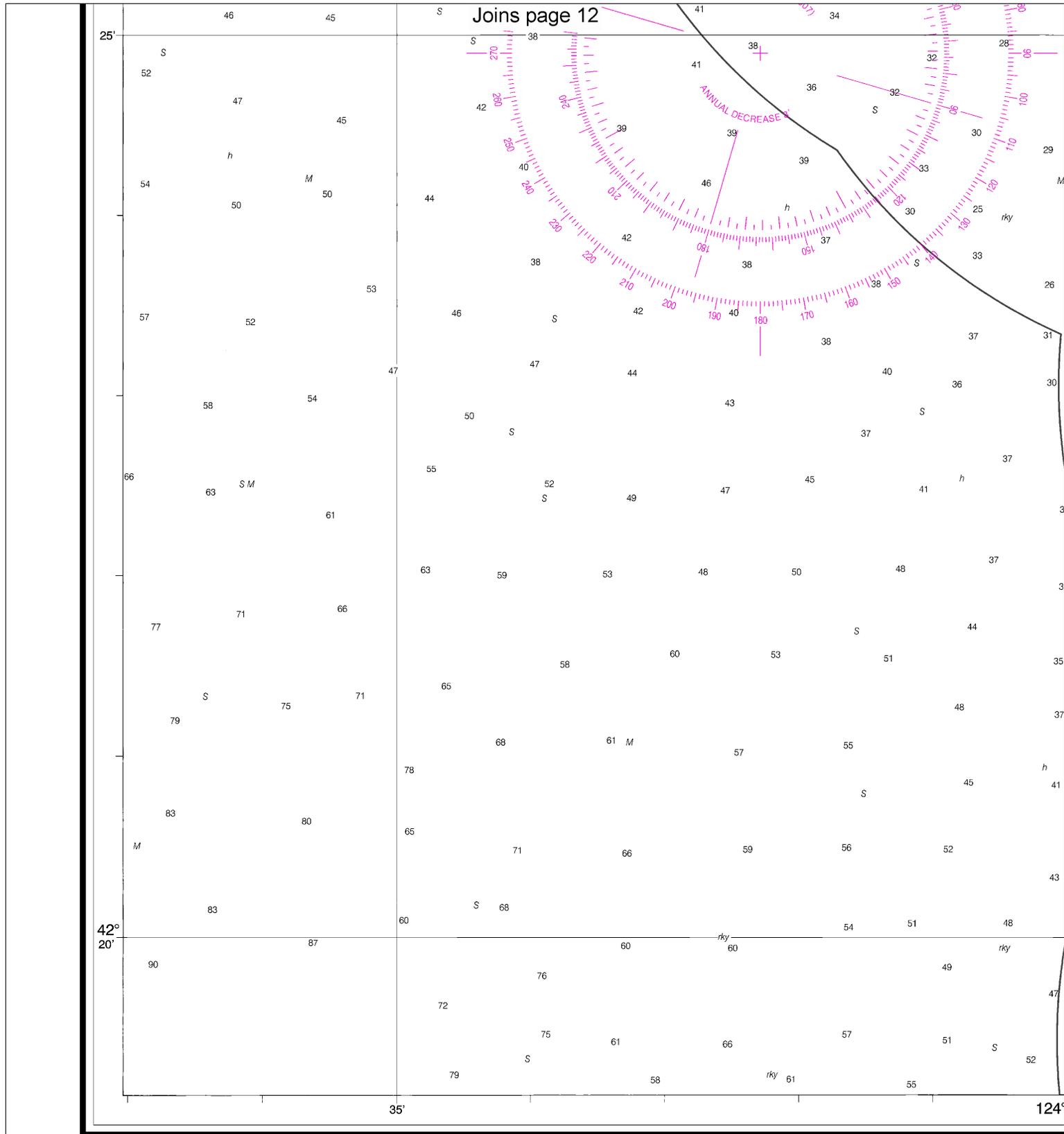
Dashes (- -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov>. (Nov 1997)

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ums on the right side and 4 green  
e when returning from sea.

etty Light 3, Danger Rock Buoy 5, and  
Warning Sign are maintained from

Grizzly Mt  
2339

Joins page 19



Joins page 12

ANNUAL DECREASE

14th Ed., Feb. / 07 ■ Corrected through NM Feb. 10/07  
 Corrected through LNM Jan. 30/07  
**18601**

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](http://nauticalcharts.noaa.gov).

**SOUNDINGS**

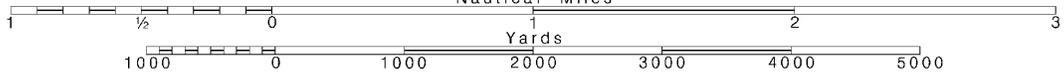
**16**

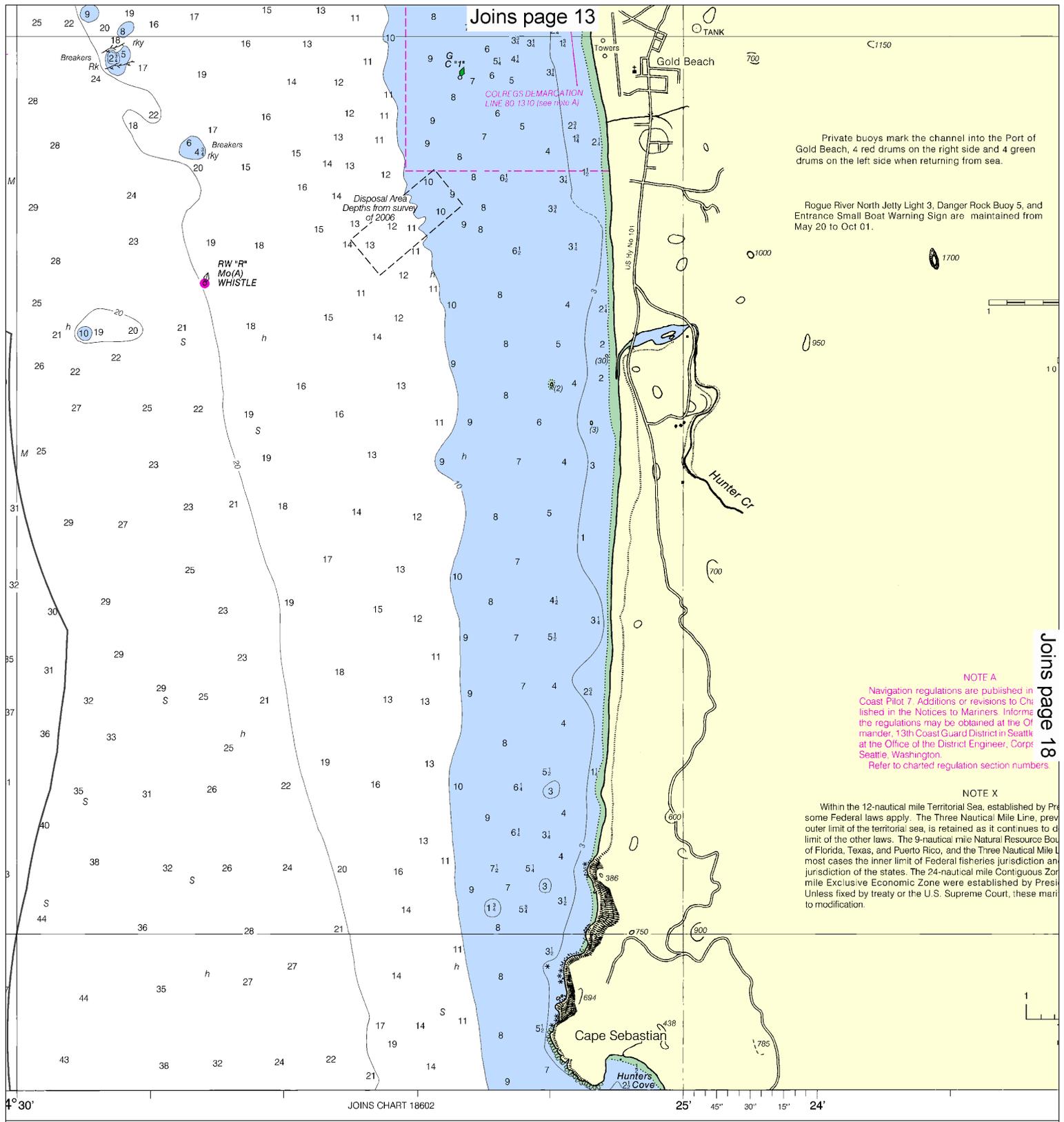
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000  
 Nautical Miles

See Note on page 5.

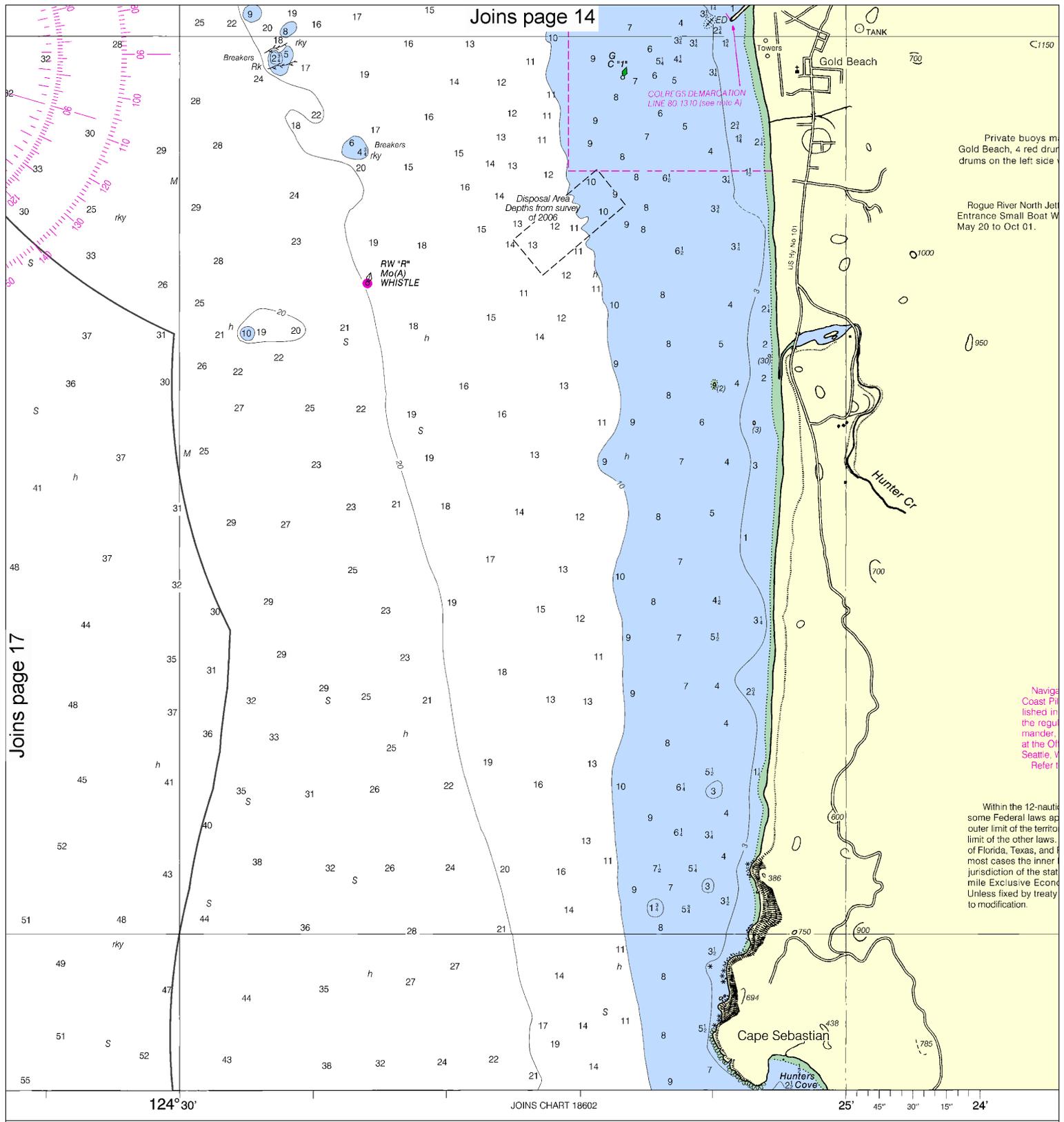




**DEPTH IN FATHOMS**

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
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



**SOUNDINGS IN FATHOMS**

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
FEET	6	12	18	24	30	36	42	48
METERS	1	2	3	4	5	6	7	8

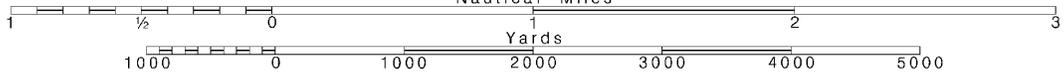
**18**

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000  
 Nautical Miles

See Note on page 5.



Signal Buttes  
3512

25'

mark the channel into the Port of  
sums on the right side and 4 green  
when returning from sea.

etty Light 3, Danger Rock Buoy 5, and  
Warning Sign are maintained from

TIDAL INFORMATION

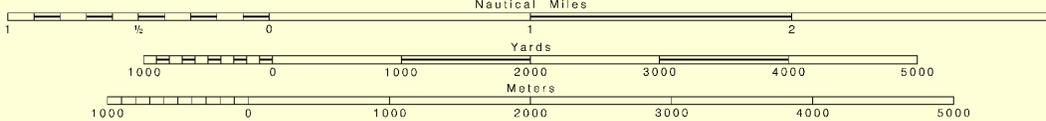
PLACE	Height referred to datum of soundings (MLLW)	NAME (LAT/LONG)		
		Mean Higher High Water	Mean High Water	Mean Low Water
Wedderburn, Rogue River	feet	feet	feet	feet
(42°26'N/124°25'W)	6.7	6.0	1.1	

Dashes (- -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov>. (Nov 1997)

1700

Grizzly Mt  
2339

SCALE 1:40,000



ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)  
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Bds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Oy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	
1/2 Wreck, rock, obstruction, or shoal swept clear to the depth indicated. (2) Rocks that cover and uncover, with heights in feet above datum of soundings. COLREGS: International Regulations for Preventing Collisions at Sea, 1972. Demarcation lines are shown thus: - - - - -			

NOTE A

Regulation regulations are published in Chapter 2, U.S. Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington, or Office of the District Engineer, Corps of Engineers in Washington. Refer to charted regulation section numbers.

NOTE X

territorial sea, established by Presidential Proclamation, apply. The Three Nautical Mile Line, previously identified as the territorial sea, is retained as it continues to depict the jurisdictional limits. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Puerto Rico, and the Three Nautical Mile Line elsewhere remain in the limit of Federal fisheries jurisdiction and the outer limit of the continental shelf. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation, and by the U.S. Supreme Court, these maritime limits are subject

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

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

CAUTION

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

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

CAUTION

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

AIDS TO NAVIGATION

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

42°  
20'

LOGARITHMIC SPEED SCALE



To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

124° 20'

8	9	10	11	12	13	14	15	16	17
54	60	66	72	78	84	90	96	102	
15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31			

Cape Sebastian to Humbug Mt., Oregon

SOUNDINGS IN FATHOMS - SCALE 1:40,000

18601





EMERGENCY INFORMATION

### VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

### Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

### Quick References

- Nautical chart related products and information — <http://www.nauticalcharts.noaa.gov>
- Online chart viewer — <http://www.nauticalcharts.noaa.gov/mcd/NOAChartViewer.html>
- Report a chart discrepancy — <http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx>
- Chart and chart related inquiries and comments — <http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs>
- Chart updates (LNM and NM corrections) — [http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\\_NM.html](http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html)
- Coast Pilot online — <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>
- Tides and Currents — <http://tidesandcurrents.noaa.gov>
- Marine Forecasts — <http://www.nws.noaa.gov/om/marine/home.htm>
- National Data Buoy Center — <http://www.ndbc.noaa.gov/>
- NowCoast web portal for coastal conditions — <http://www.nowcoast.noaa.gov/>
- National Weather Service — <http://www.weather.gov/>
- National Hurricane Center — <http://www.nhc.noaa.gov/>
- Pacific Tsunami Warning Center — <http://ptwc.weather.gov/>
- Contact Us — <http://www.nauticalcharts.noaa.gov/staff/contact.htm>



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



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

