

BookletChart™

Cape Flattery

NOAA Chart 18485

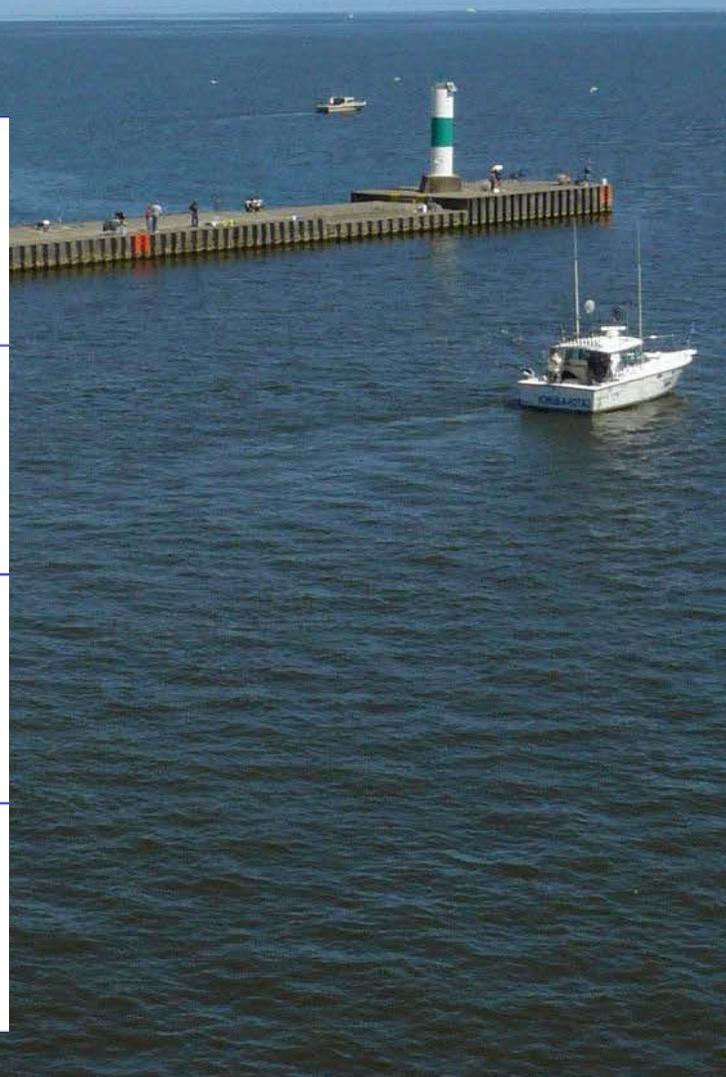
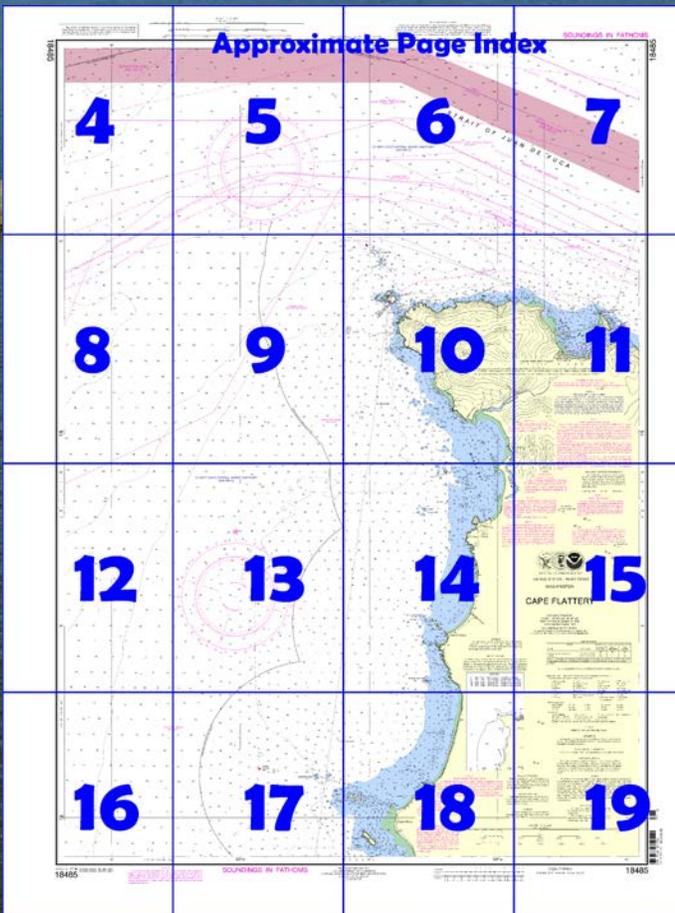


A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
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- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



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National Ocean Service
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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.

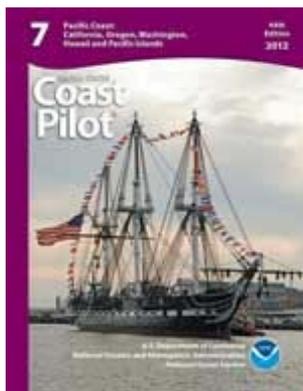
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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=18485>.



(Selected Excerpts from Coast Pilot)

Cape Alava, the westernmost point of the State of Washington, is 13 miles S of Cape Flattery. The seaward face is about 0.6 mile in extent. **Tskawahyah Island**, a steep rocky island, 142 feet high, is off its NW extremity. The shore is bordered by numerous rocks and covered ledges.

Flattery Rocks and Umatilla Reef are rocks and islets extending W from Cape Alava for 2.3 miles. **Ozette Island**, 236 feet high, is 0.8 mile SW of the cape. The island, 0.5 mile long, is flat-

topped with steep sides. About 0.3 mile off the S and SE sides are low, black rocks. **Bodelteh Islands**, 1.2 miles WNW of the N end of Cape Alava, have high bold seaward faces. The outer one is 198 feet high. In season, a few fishermen find shelter in an anchorage off the SE end of Ozette Island. The area is small and requires local knowledge to enter. It affords fair protection from the prevailing NW wind.

Umatilla Reef, 2.3 miles NW of Cape Alava, the greatest danger to navigation off this section of the coast, is 0.7 mile W of the outer Bodelteh Island. It extends for 200 yards in a W direction and is about 75 yards wide. The reef consists of small, low, black rocks and some breakers. Umatilla Reef is difficult to make out, especially in weather.

Point of Arches, 5 miles NNE of Cape Alava, is the N point of the cliffs that extend some 1.5 miles S. Numerous rocks and ledges are offshore as far as about a mile.

Father and Son, two rocks connected by a low reef, lie 0.6 mile offshore abreast the S end of the cliffs. From the outer rock to Spike Rock there are several exposed rocks.

Spike Rock, 35 feet high, sharp and bare, is 0.8 mile NW of the Point of Arches. It is the outermost of a chain of rocks; there are three arches in these rocks. A rock that uncovers 5 feet is 0.3 mile WSW of Spike Rock.

Portage Head, 2.5 miles N of Point of Arches, has a mile-long seaward face of bold irregular cliffs. **Anderson Point** is at the N end of the cliffs. A reef extends from the point toward Cape Flattery for 1.5 miles showing several low, black rocks awash, and one small rock 45 feet high.

Cape Flattery is a bold, rocky head with cliffs. Numerous rocks and reefs border the cliffs E and S of the cape. Tide rips are particularly heavy off Cape Flattery.

Tatoosh Island, 0.4 mile NW of Cape Flattery, is about 0.2 mile in diameter, flat-topped, and bare. It is the largest of the group of rocks and reefs making out about 0.9 mile NW from the cape. The passage between Tatoosh Island and the cape is dangerous and constricted by two rocks awash near its center. Although sometimes used by local small craft, it cannot be recommended. The currents are strong and treacherous. Breakers may be in the area.

Cape Flattery Light (48°23'31"N., 124°44'13"W.), 165 feet above the water, is shown from a 57-foot white conical tower on a white sandstone dwelling on the W end of Tatoosh Island.

A rocky patch, covered 7½ fathoms, on which the sea breaks occasionally in a W swell, is 1.4 miles SW of the light.

Duncan Rock and **Duntze Rock**, the two principal dangers NNW of Tatoosh Island, are respectively, 1 - 1.3 miles from the light. Duncan Rock is small, low, and black; Duntze Rock is covered 2¾ fathoms. A lighted whistle buoy is 500 yards NW of Duntze Rock. Ledges and rocks constrict the passage between Duncan Rock and Tatoosh Island to less than 0.5 mile; strong currents and tide rips make it hazardous.

Neah Bay, about 5 miles E of Cape Flattery, is used extensively by small vessels as a harbor of refuge in foul weather. Its proximity to Cape Flattery and ease of access at any time make the anchorage very useful. It is protected from all but E weather.

The buildings of **Neah Bay Coast Guard Station**, 0.4 mile SW of Baada Point, are prominent from the entrance.

The entrance to the bay is between Waadah Island and Baada Point. A depth of 17 feet can be carried into the bay. Anchorage is in 20 to 35 feet, mud bottom.

The Indian village of **Neah Bay**, on the SW shore of the bay, is the site of considerable sport fishing.

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

RCC Seattle

Commander

13th CG District

Seattle, WA

(206) 220-7001

Navigation Managers Area of Responsibility



NOAA's navigation managers serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit nauticalcharts.noaa.gov/service/navmanagers

To make suggestions or ask questions online, go to nauticalcharts.noaa.gov/inquiry.

To report a chart discrepancy, please use ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx.

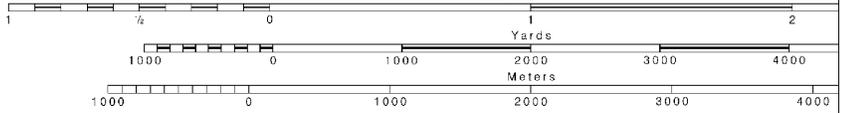
Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



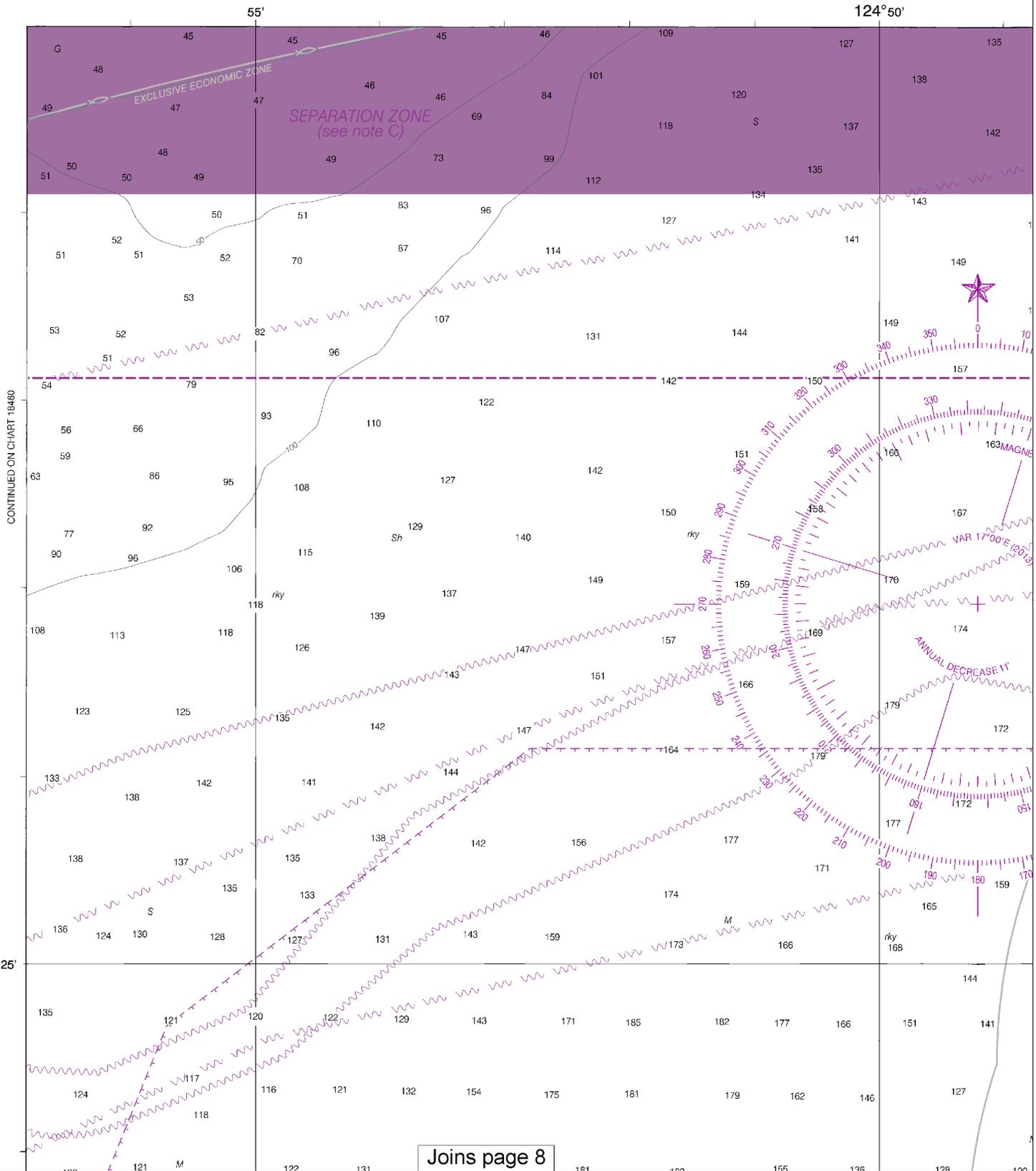
For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at <http://www.navcen.uscg.gov>

SCALE 1:40,000
Nautical Miles



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

18485



Joins page 8

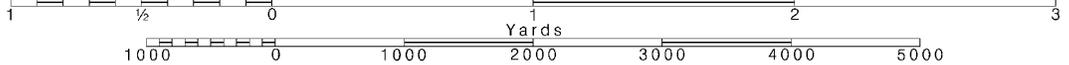
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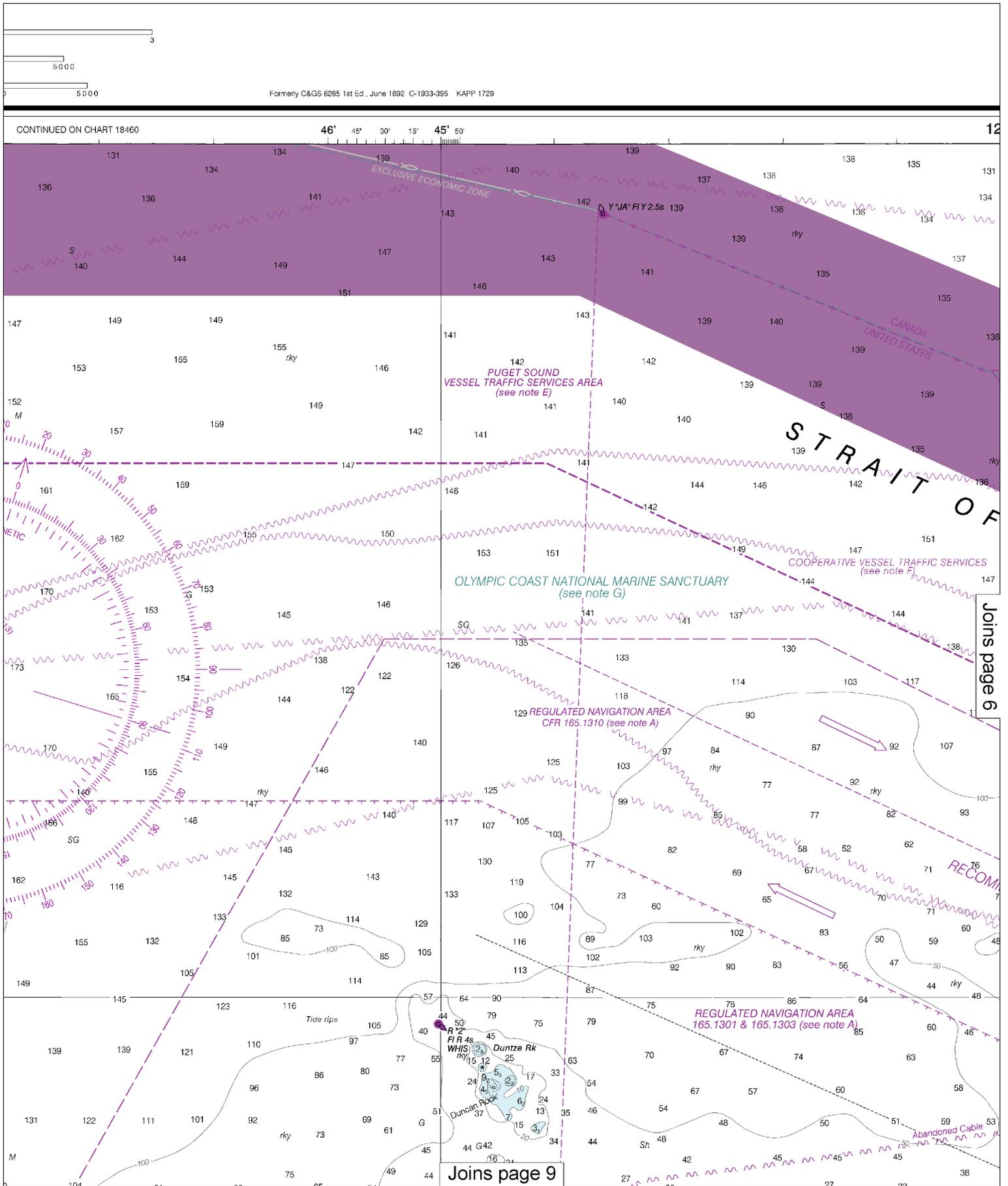
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





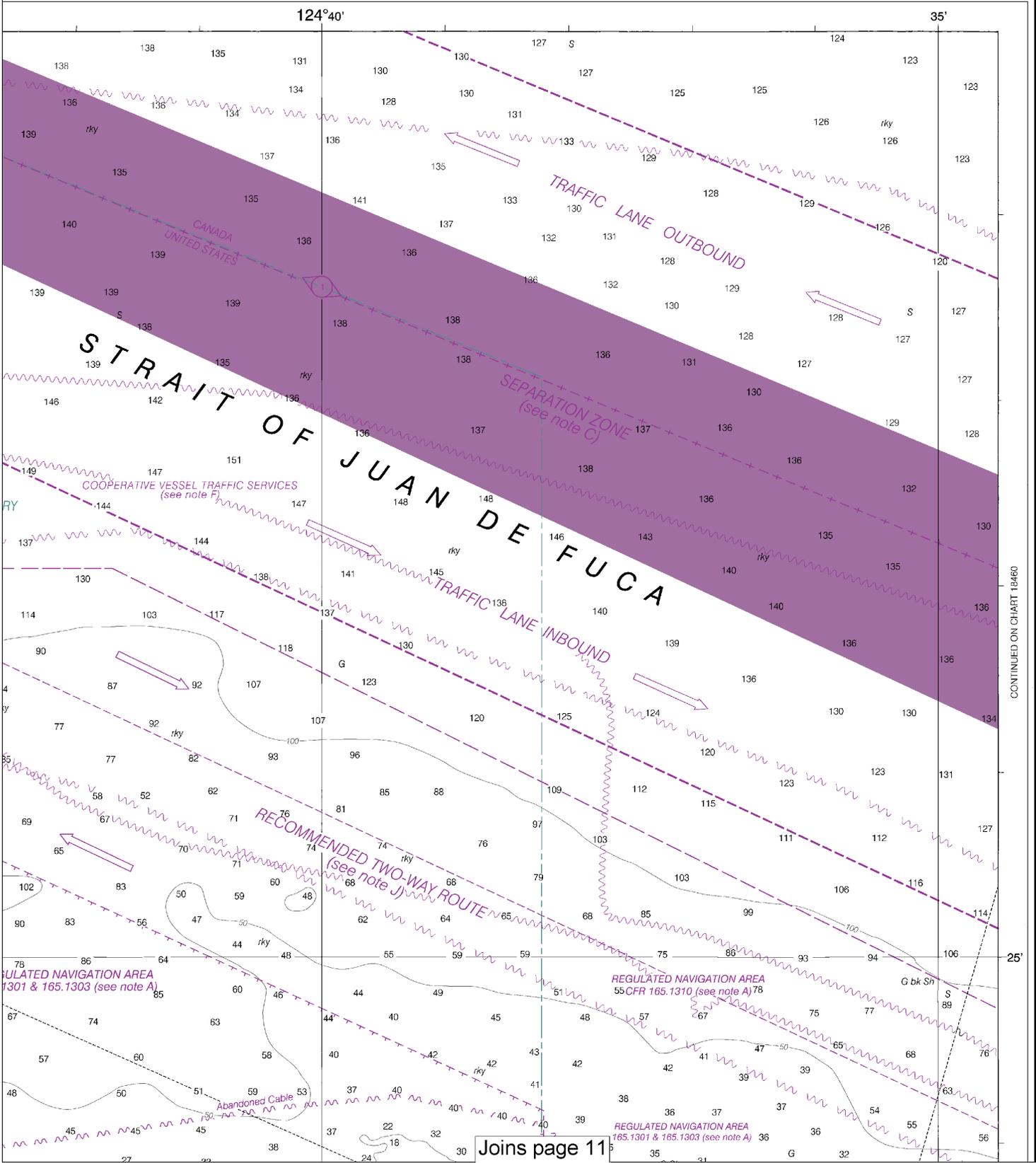
This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:53333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.



SOUNDINGS IN FATHOMS

(FATHOMS AND FEET TO 11 FATHOMS)

18485

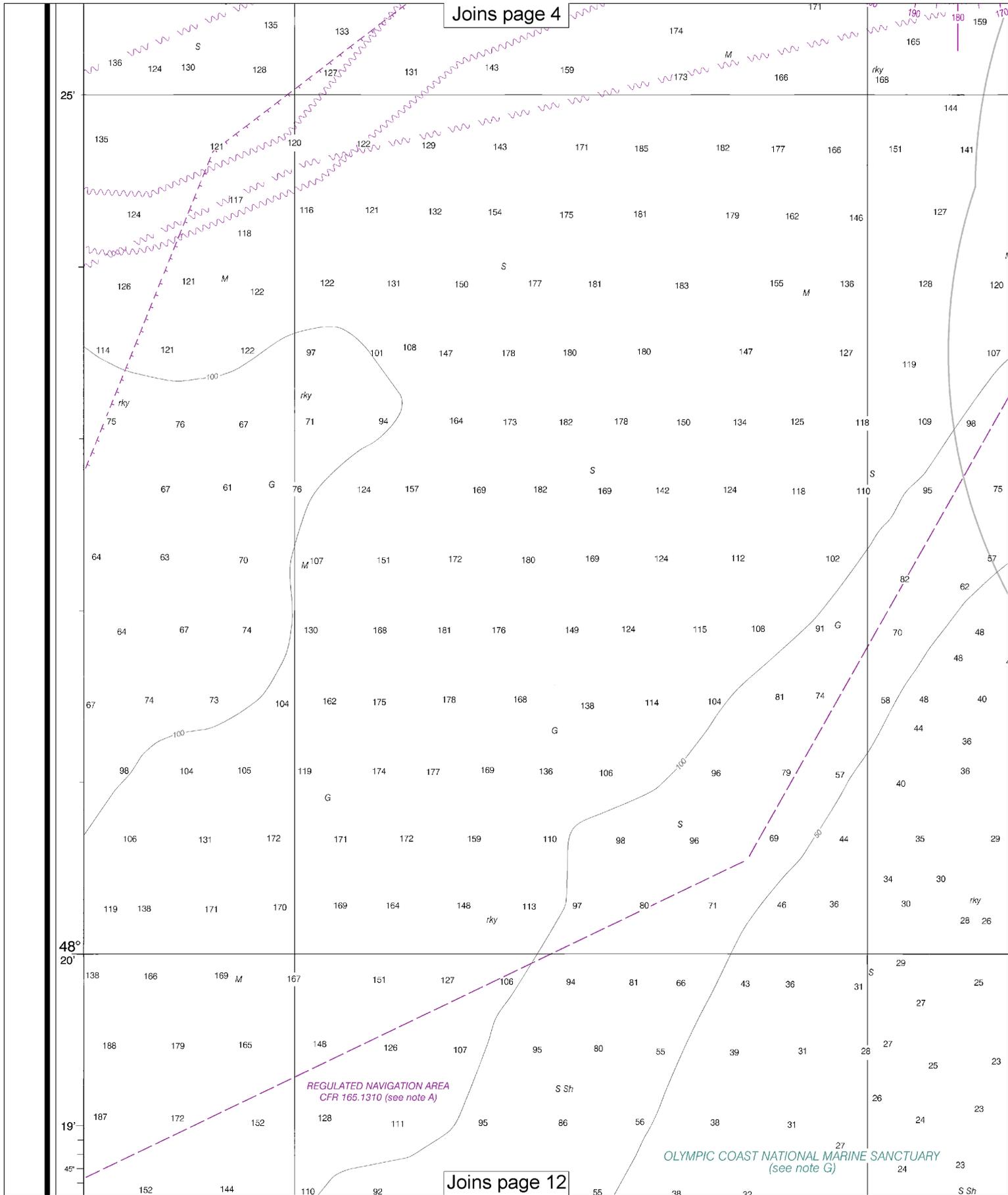


CONTINUED ON CHART 18486

17th Ed., Jan. 2013. Last Correction: 11/10/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)



Joins page 4



Joins page 12

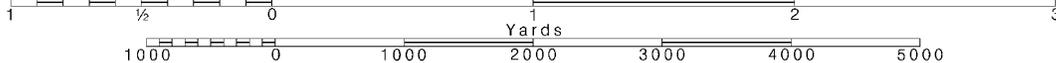


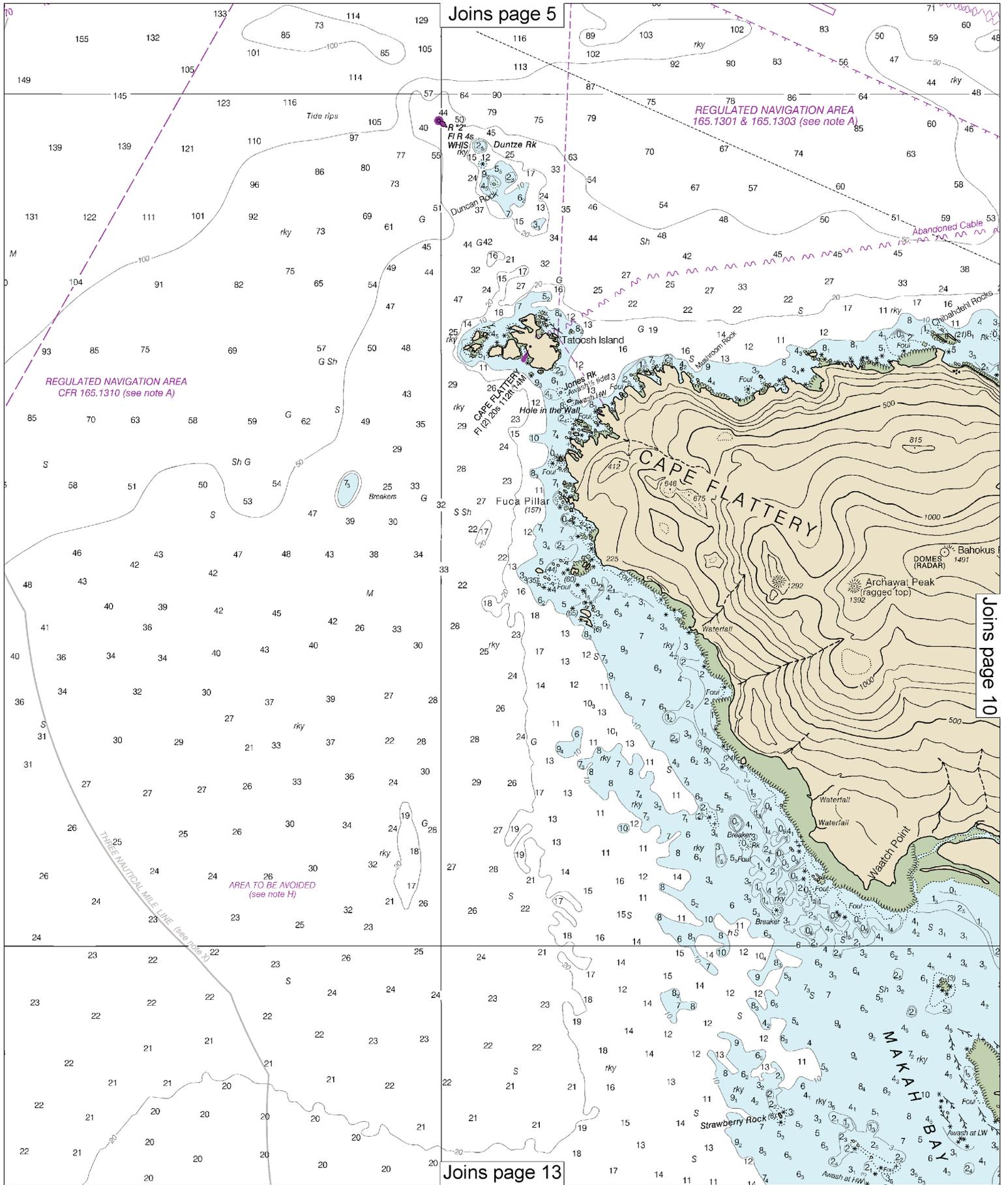
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





Joins page 5

REGULATED NAVIGATION AREA
165.1301 & 165.1303 (see note A)

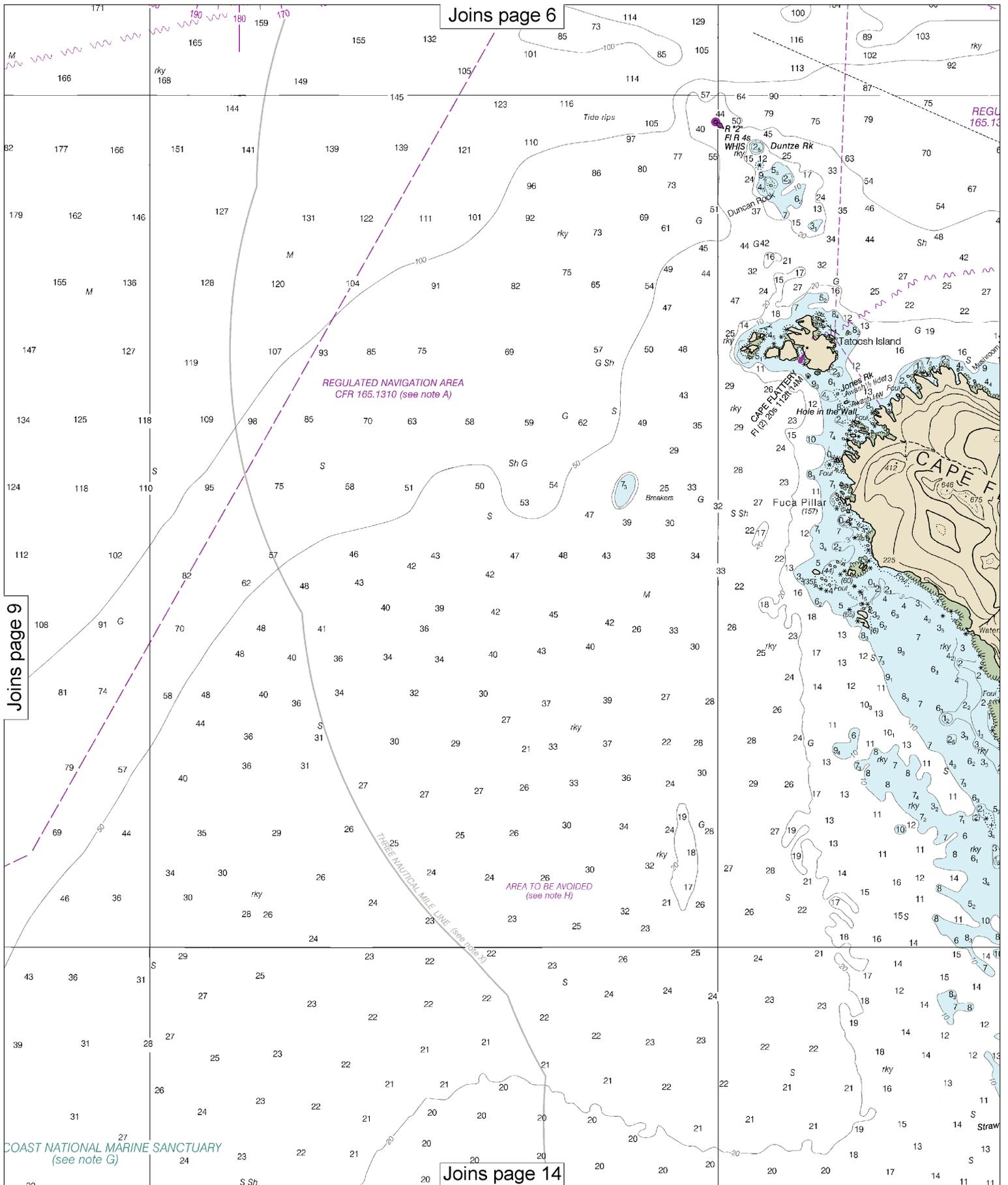
REGULATED NAVIGATION AREA
CFR 165.1310 (see note A)

AREA TO BE AVOIDED
(see note H)

THREE NAUTICAL MILE LINE (see note X)

Joins page 10

Joins page 13



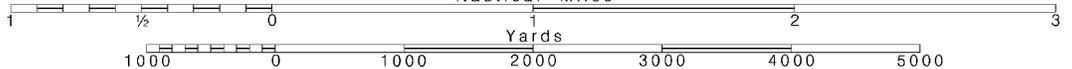
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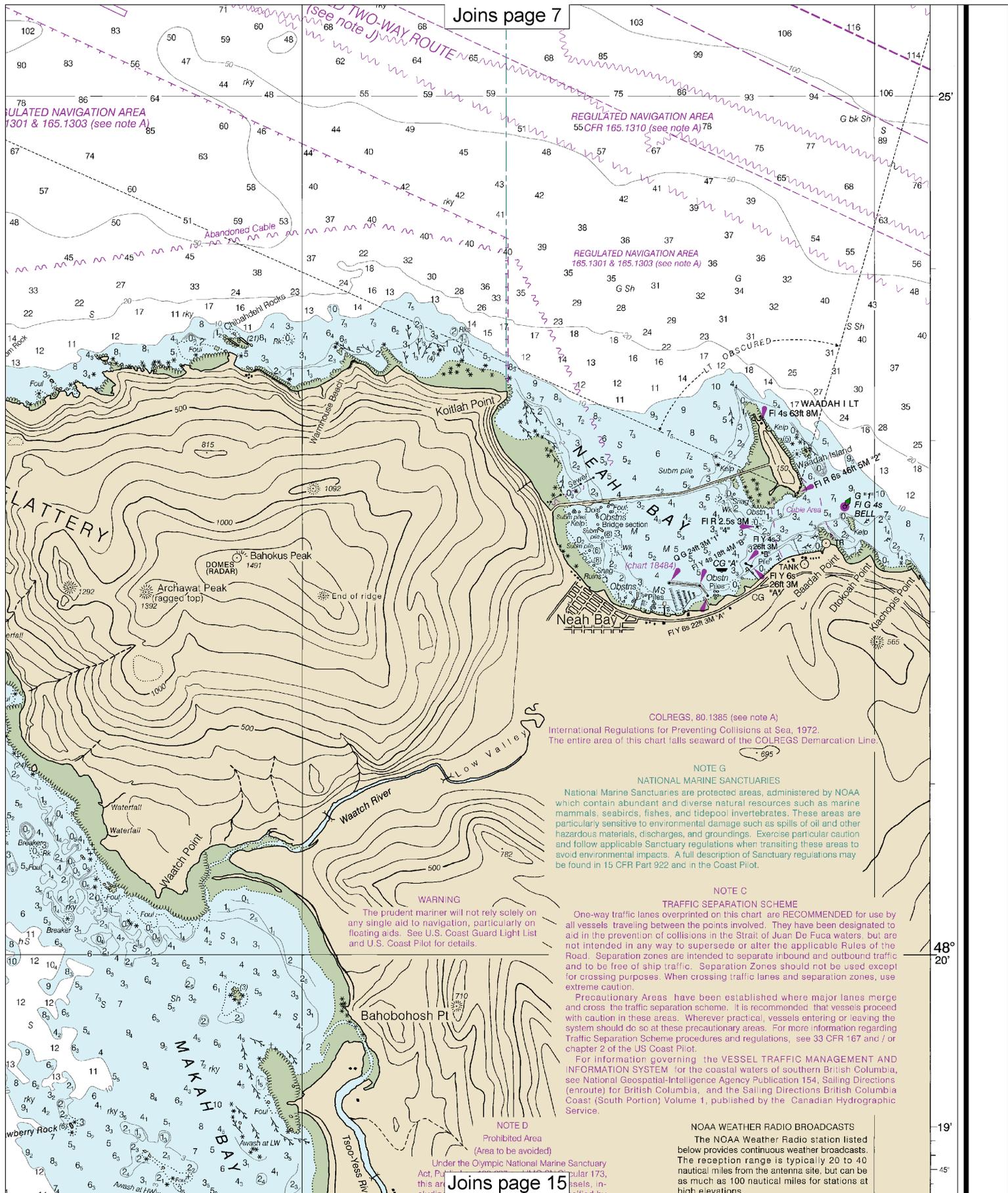
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





COLREGS, 80.1385 (see note A)
 International Regulations for Preventing Collisions at Sea, 1972.
 The entire area of this chart falls seaward of the COLREGS Demarcation Line.

NOTE G
NATIONAL MARINE SANCTUARIES
 National Marine Sanctuaries are protected areas, administered by NOAA which contain abundant and diverse natural resources such as marine mammals, seabirds, fishes, and tidepool invertebrates. These areas are particularly sensitive to environmental damage such as spills of oil and other hazardous materials, discharges, and groundings. Exercise particular caution and follow applicable Sanctuary regulations when transiting these areas to avoid environmental impacts. A full description of Sanctuary regulations may be found in 15 CFR Part 922 and in the Coast Pilot.

NOTE C
TRAFFIC SEPARATION SCHEME
 One-way traffic lanes overprinted on this chart are RECOMMENDED for use by all vessels traveling between the points involved. They have been designated to aid in the prevention of collisions in the Strait of Juan De Fuca waters, but are not intended in any way to supersede or alter the applicable Rules of the Road. Separation zones are intended to separate inbound and outbound traffic and to be free of ship traffic. Separation Zones should not be used except for crossing purposes. When crossing traffic lanes and separation zones, use extreme caution.
 Precautionary Areas have been established where major lanes merge and cross the traffic separation scheme. It is recommended that vessels proceed with caution in these areas. Wherever practical, vessels entering or leaving the system should do so at these precautionary areas. For more information regarding Traffic Separation Scheme procedures and regulations, see 33 CFR 167 and / or chapter 2 of the US Coast Pilot.

For information governing the VESSEL TRAFFIC MANAGEMENT AND INFORMATION SYSTEM for the coastal waters of southern British Columbia, see National Geospatial-Intelligence Agency Publication 154, Sailing Directions (enroute) for British Columbia, and the Sailing Directions British Columbia Coast (South Portion) Volume 1, published by the Canadian Hydrographic Service.

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.

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.

NOTE D
Prohibited Area
 (Area to be avoided)
 Under the Olympic National Marine Sanctuary Act, Part 173, this area is prohibited.

48° 20'

19'

45'

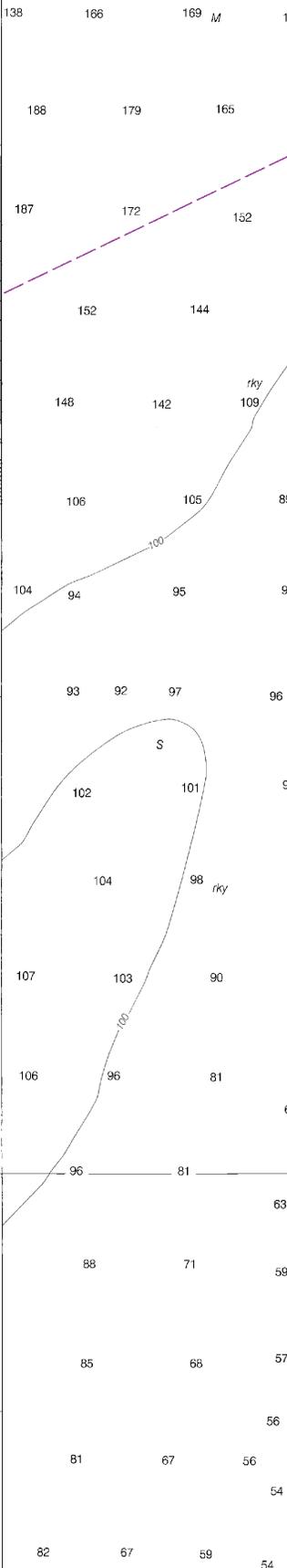
48°

20'

19'

18'

15'



REGULATED NAVIGATION AREA
CFR 165.1310 (see note A)

OLYMPIC COAST NATIONAL MARINE SANCTUARY
(see note G)



MAGNETIC

VAR 17°00' E (2013)

ANNUAL DECREASE 1"

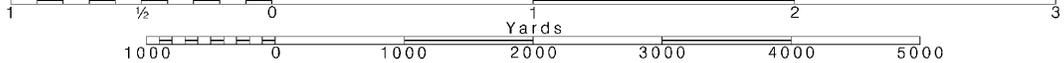
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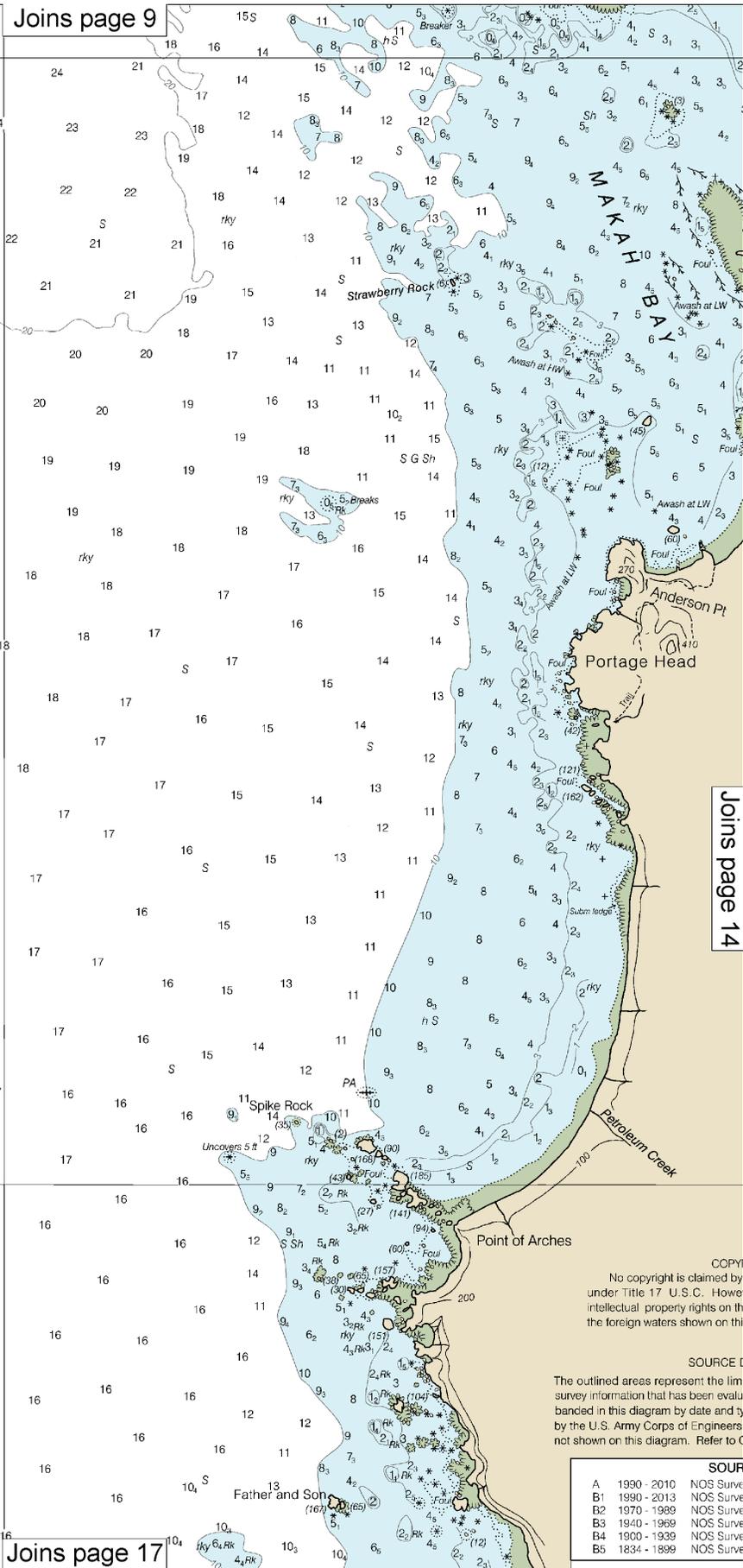
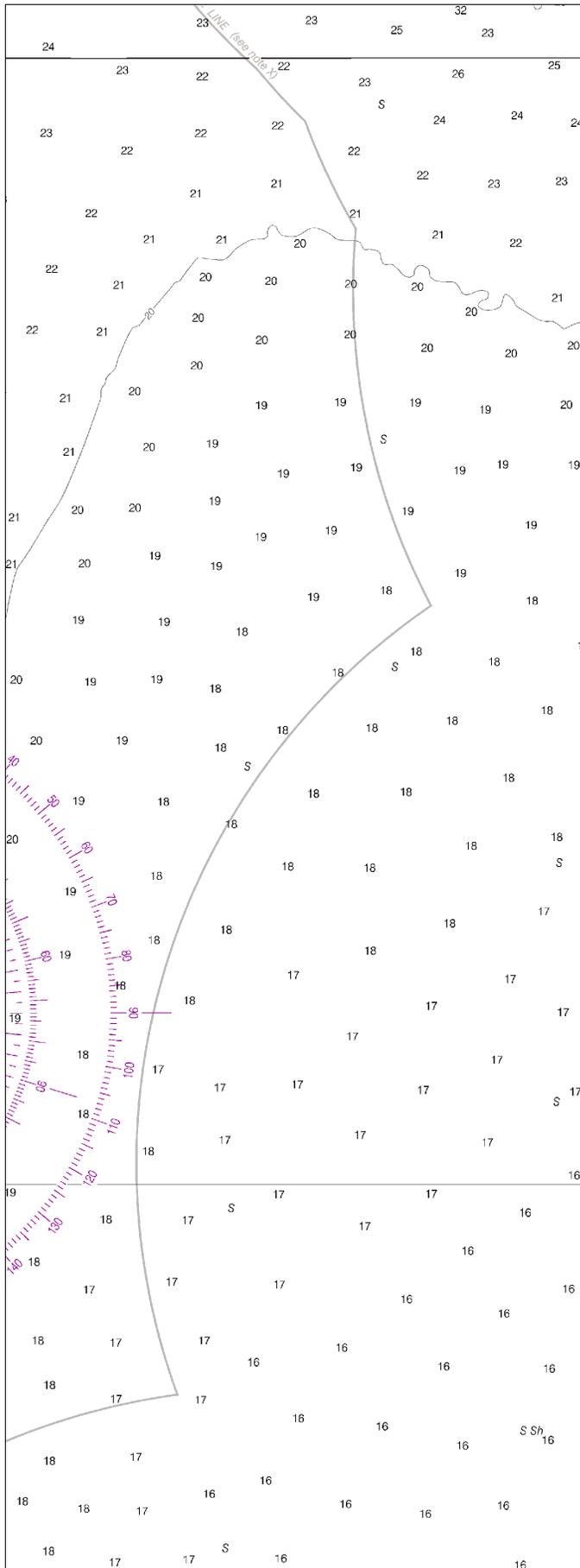
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





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SOURCE
The outlined areas represent the lim
survey information that has been eval
banded in this diagram by date and
by the U.S. Army Corps of Engineer
not shown on this diagram. Refer to C

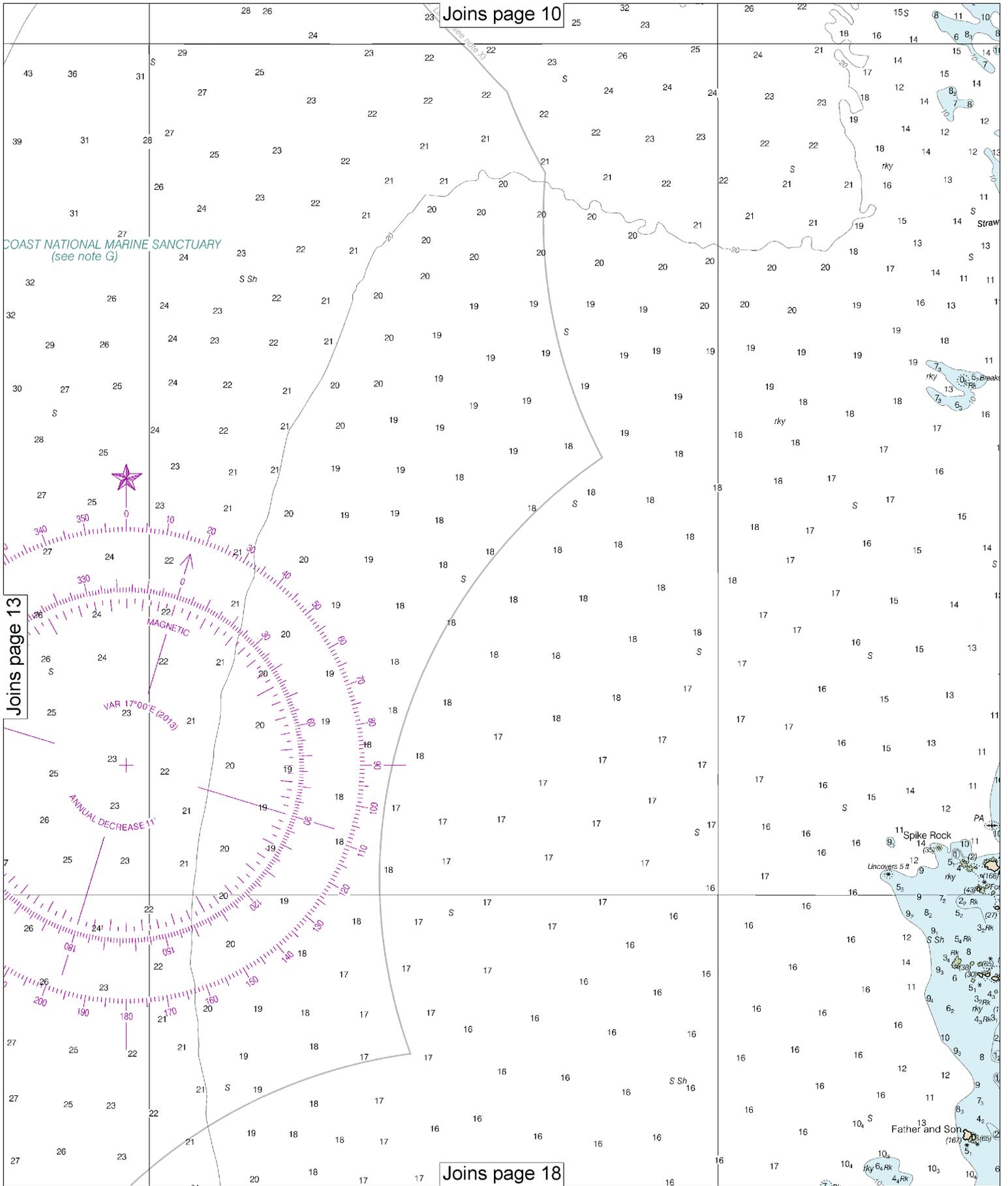
SOUR	
A	1990 - 2010 NOS Surve
B1	1990 - 2013 NOS Surve
B2	1970 - 1989 NOS Surve
B3	1940 - 1969 NOS Surve
B4	1900 - 1939 NOS Surve
B5	1834 - 1899 NOS Surve

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COAST NATIONAL MARINE SANCTUARY
(see note G)

Joins page 13

Joins page 18



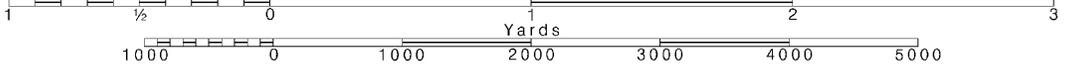
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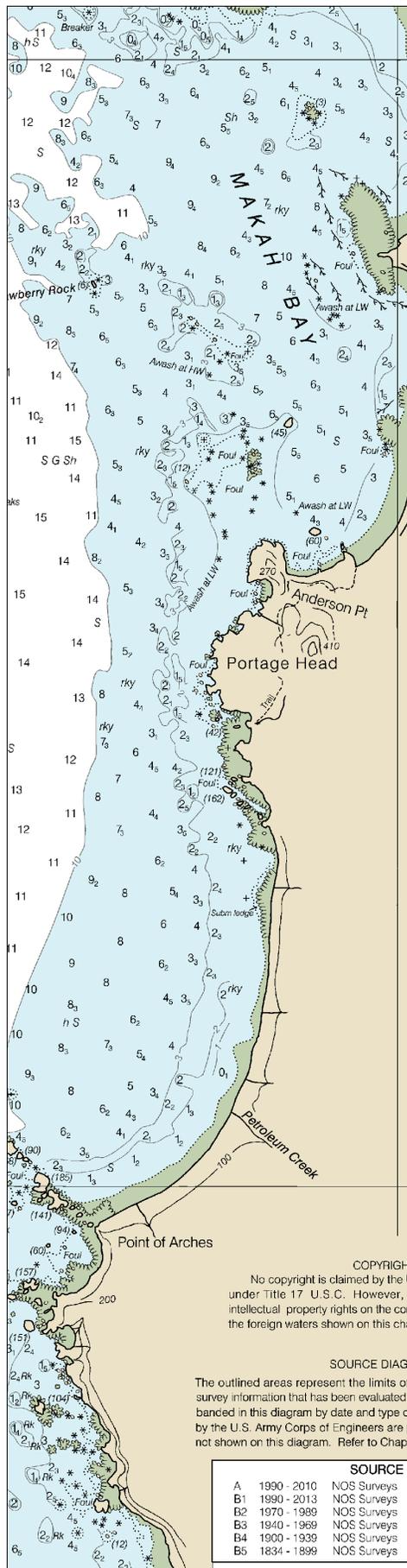
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.





any single aid to navigation, including floating aids. See U.S. Coast Pilot for details.

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NOTE D
 Prohibited Area
 (Area to be avoided)
 Under the Olympic National Marine Sanctuary Act, Public Law 100-627 and IMO SN Circular 173, this area should be avoided by all vessels, including barges, carrying cargoes classified by the United States as hazardous materials (e.g. oil or chemical).

NOTE A
 Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 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.

NOTE E
 The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in this area (Call Sign Seattle Traffic). The western boundary for VTS Puget Sound area is at 48°23'08"N, 124°43'37"W to 48°23'30"N, 124°44'12"W, then due west to the territorial sea boundary, thence northward to its intersection with the United States/Canadian International Boundary line. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual.

NOTE F
 A Cooperative Vessel Traffic Services (CVTS) system has been established by the United States and Canada within the adjoining waters in the Juan de Fuca Region. The appropriate Vessel Traffic Center (VTC) (Tofino Traffic, Seattle Traffic, Victoria Traffic) administers the rules issued by both nations, however, it will enforce only its own set of rules within its jurisdiction.

NOTE H
 AREA TO BE AVOIDED
 In order to reduce the risk of a marine casualty and resulting pollution and damage to the environment of the Olympic Coast National Marine Sanctuary, all ships and barges that carry oil or hazardous materials in bulk as cargo or cargo residue and all ships 400 gross tonnage and above solely in transit should avoid the area. See IMO SN circular 309.

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.
 Neah Bay WA KIH-36 162.550 MHz

Cheeka Peak
 (highest ragged top)
 1721

1770

1772

1780

1940

Tsoo-Yess Peak
 1973

Joins page 19

One-way traffic lanes overlaid on this chart are recommended for use by all vessels traveling between the points involved. They have been designated to aid in the prevention of collisions in the Strait of Juan de Fuca waters, but are not intended in any way to supersede or alter the applicable Rules of the Road. Separation zones are intended to separate inbound and outbound traffic and to be free of ship traffic. Separation Zones should not be used except for crossing purposes. When crossing traffic lanes and separation zones, use extreme caution.

Precautionary Areas have been established where major lanes merge and cross the traffic separation scheme. It is recommended that vessels proceed with caution in these areas. Wherever practical, vessels entering or leaving the system should do so at these precautionary areas. For more information regarding Traffic Separation Scheme procedures and regulations, see 33 CFR 167 and /or chapter 2 of the US Coast Pilot.

For information governing the VESSEL TRAFFIC MANAGEMENT AND INFORMATION SYSTEM for the coastal waters of southern British Columbia, see National Geospatial-Intelligence Agency Publication 154, Sailing Directions (enroute) for British Columbia, and the Sailing Directions British Columbia Coast (South Portion) Volume 1, published by the Canadian Hydrographic Service.

48° 20'

19'

45'

30'

15'

18'

50'

15'

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - WEST COAST

WASHINGTON

CAPE FLATTERY

Mercator Projection
 Scale 1:40,000 at Lat 48° 20'
 North American Datum of 1983
 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS
 (FATHOMS AND FEET TO ELEVEN FATHOMS)
 AT MEAN LOWER LOW WATER IN U.S. TERRITORY
 AT LOWEST NORMAL TIDES IN CANADIAN TERRITORY

TIDAL INFORMATION

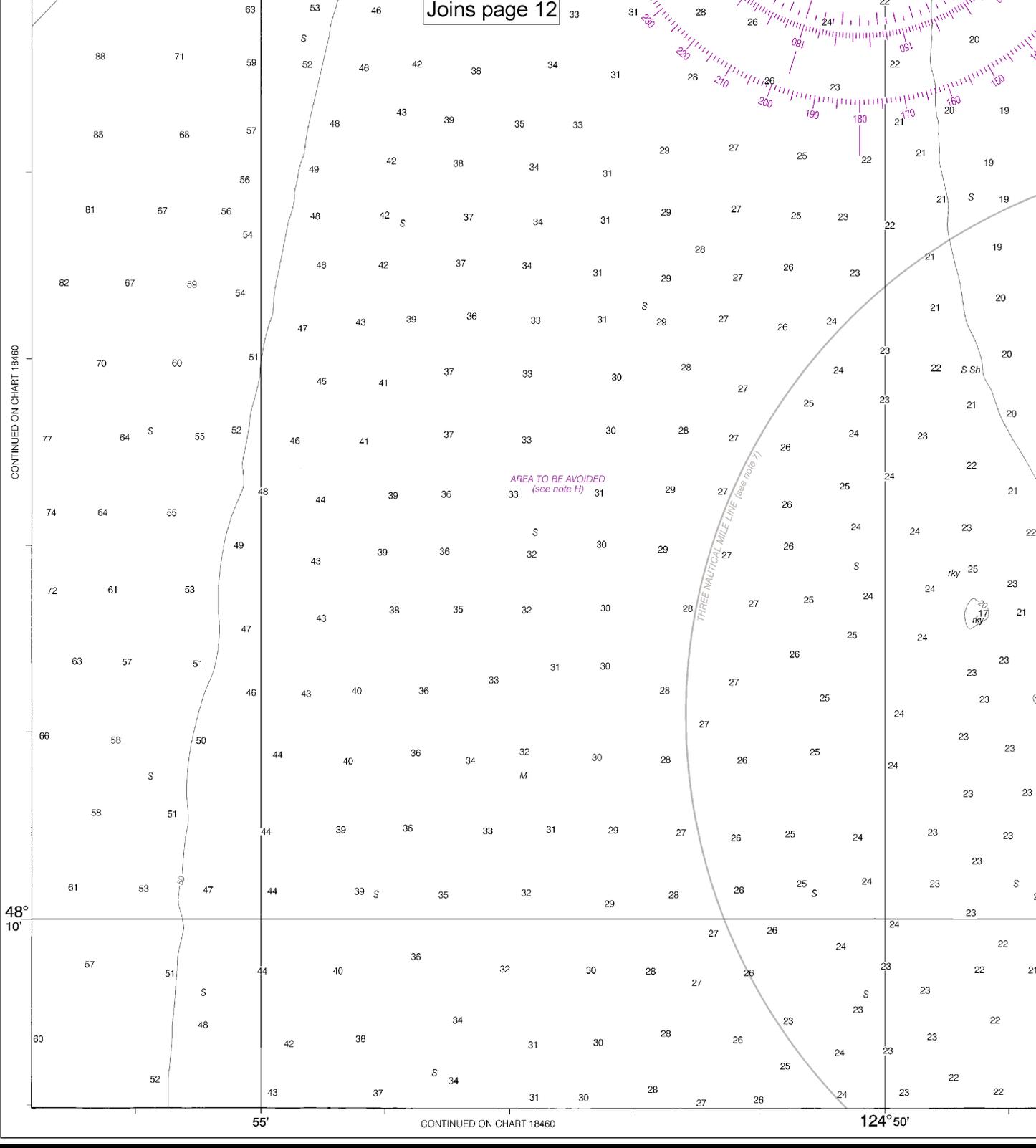
PLACE	HEIGHT REFERRED TO DATUM OF SOUNDINGS (MLLW)	HEIGHT REFERRED TO DATUM OF SOUNDINGS (MLLW)		
		MEAN HIGHER HIGH WATER	MEAN HIGH WATER	MEAN LOW WATER
Cape Flattery, Tatoosh Island	feet	8.0	7.2	1.5
Neah Bay	feet	8.0	7.1	1.6

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 2012)

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

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 Plot rotating
 B black LSO isophase OBSC obscured s seconds
 LT HO lighthouse Oc occulting SEC sector
 M nautical mile Or orange St M statute miles

CONTINUED ON CHART 18460



CONTINUED ON CHART 18460

124° 50'

18485

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

SOUNDINGS IN

(FATHOMS AND FEET TO 1)

17th Ed., Jan. 2013. Last Correction: 11/10/2016. Cleared through:
 LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)

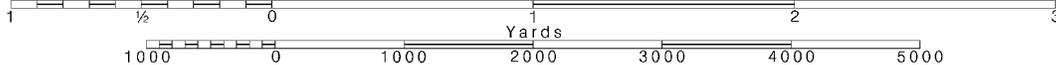
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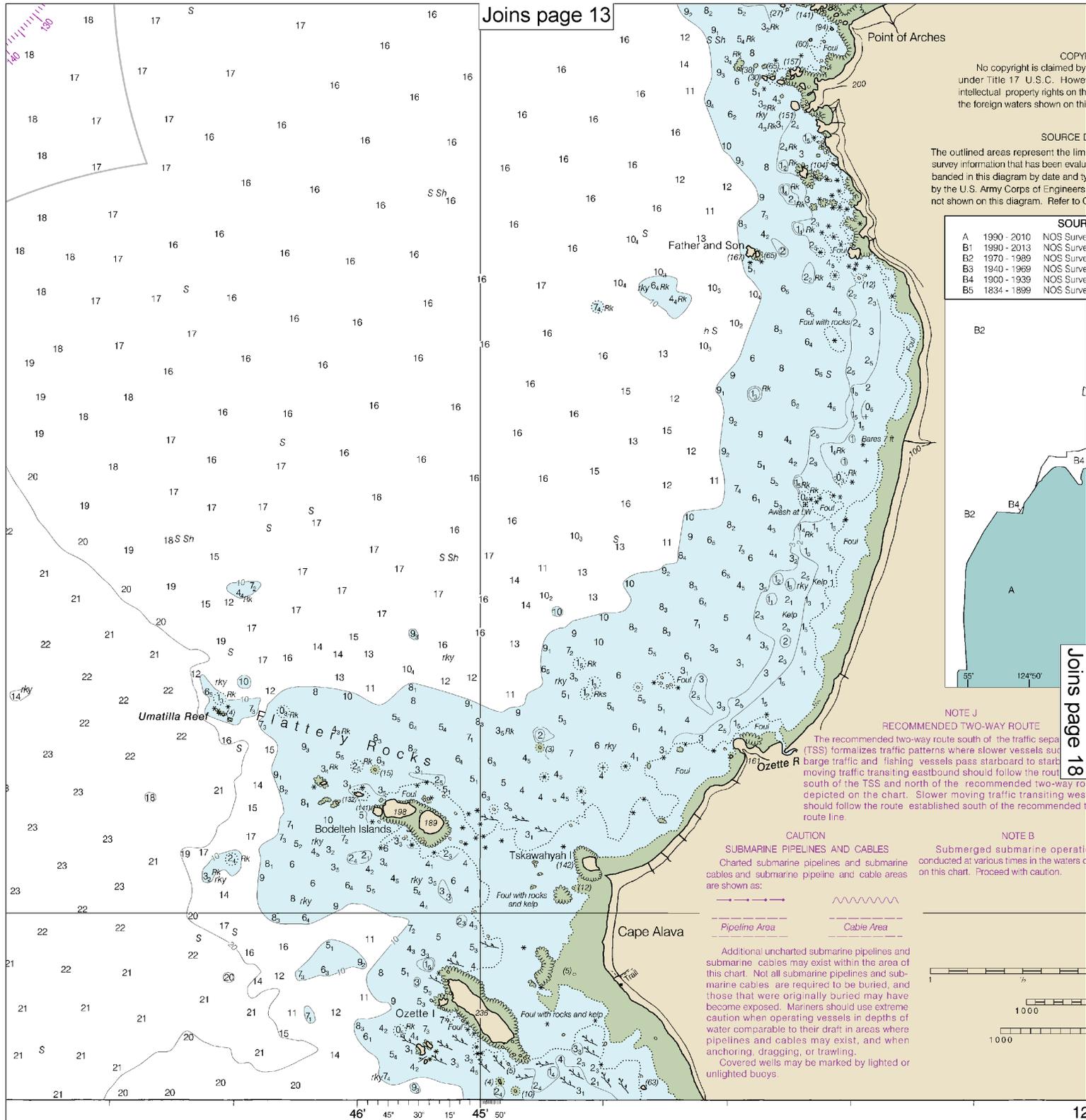
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
 Nautical Miles

See Note on page 5.



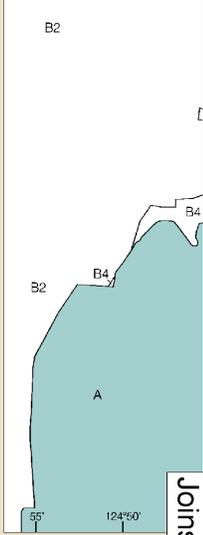


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the foreign waters shown on th

SOURCE
The outlined areas represent the lim
survey information that has been evalu
banded in this diagram by date and ty
by the U.S. Army Corps of Engineers
not shown on this diagram. Refer to C

SOUR

A	1990 - 2010	NOS Surve
B1	1990 - 2013	NOS Surve
B2	1970 - 1989	NOS Surve
B3	1940 - 1969	NOS Surve
B4	1900 - 1939	NOS Surve
B5	1834 - 1899	NOS Surve



NOTE J
RECOMMENDED TWO-WAY ROUTE

The recommended two-way route south of the traffic separation (TSS) formalizes traffic patterns where slower vessels such as barge traffic and fishing vessels pass starboard to starboard moving traffic transiting eastbound should follow the route south of the TSS and north of the recommended two-way route depicted on the chart. Slower moving traffic transiting west should follow the route established south of the recommended route line.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



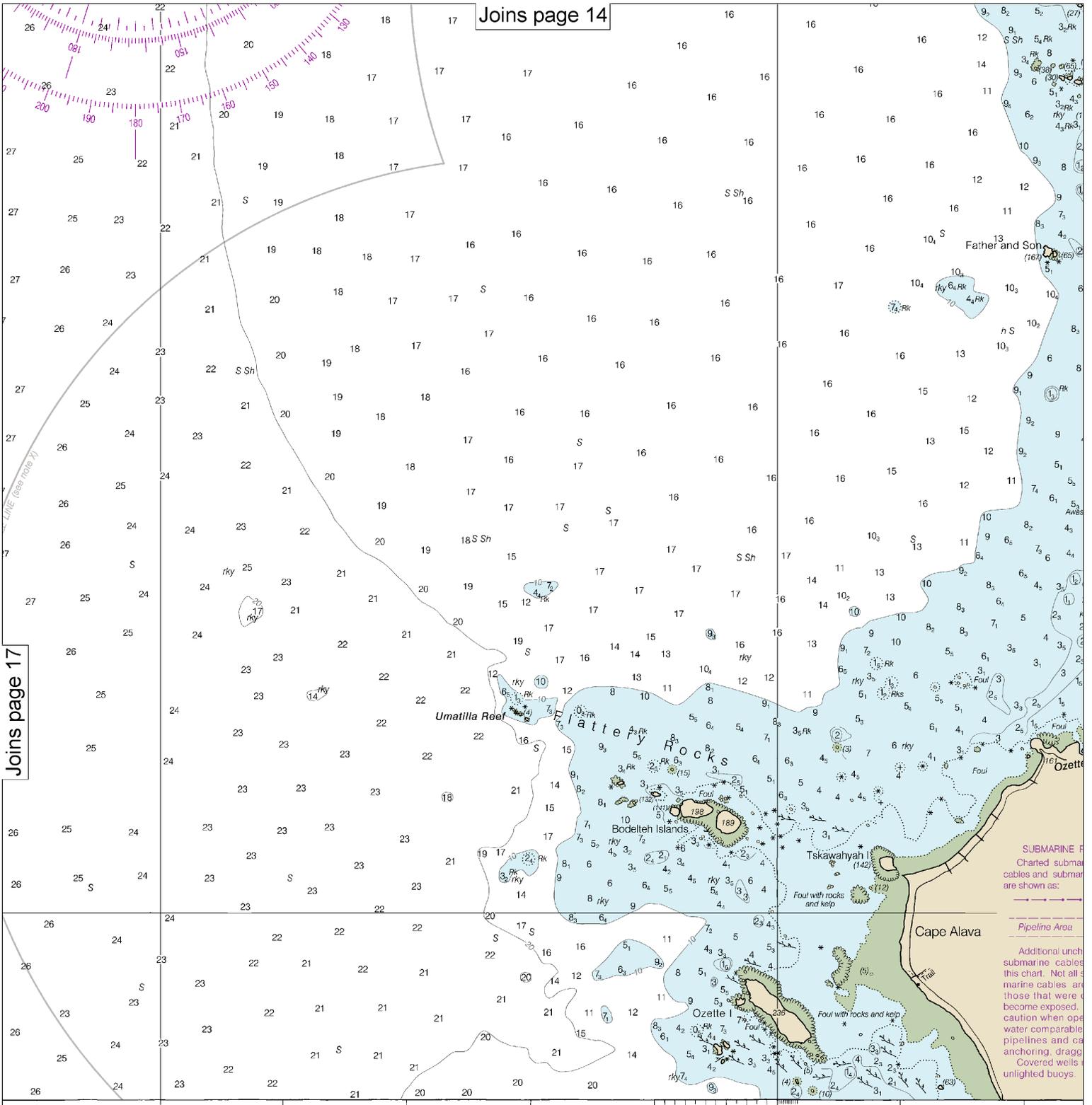
NOTE B
Submerged submarine operations conducted at various times in the waters depicted on this chart. Proceed with caution.

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.

FATHOMS
11 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
FEET	6	12	18	24	30	36	42	48	54	60	66
METERS	1	2	3	4	5	6	7	8	9	10	11



124° 50'

46' 45' 30' 15' 45' 50'

SOUNDINGS IN FATHOMS

(FATHOMS AND FEET TO 11 FATHOMS)

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

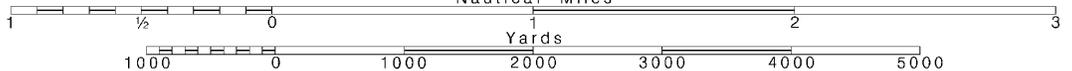
18

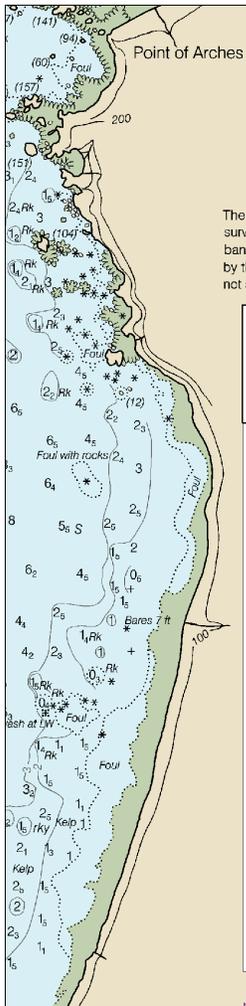
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

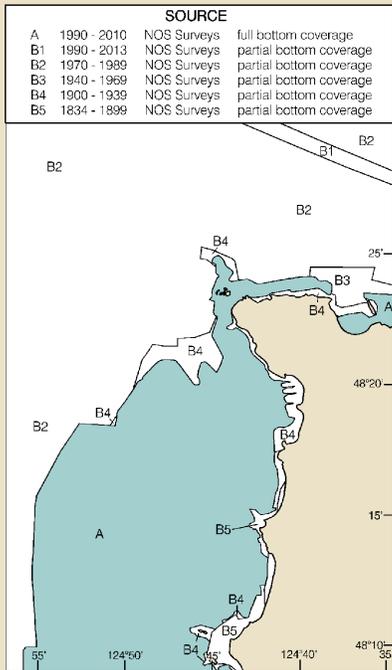
See Note on page 5.





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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.



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
Cape Flattery, Tatoosh Island	feet	8.0	7.2	feet
Neah Bay	feet	8.0	7.1	feet

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 2012)

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

- 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 |
| Ai alternating | IQ interrupted quick | N nun | Rt 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 | VG 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 | Obstrn obstruction | FD position doubtful | Subm submerged |
| ED existence doubtful | PA position approximate | Rcp 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.

HEIGHTS
Heights in feet above Mean High Water.

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

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

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.759' southward and 4.856' westward to agree with this chart.

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.

NOTE J
RECOMMENDED TWO-WAY ROUTE

The recommended two-way route south of the traffic separation scheme (TSS) formalizes traffic patterns where slower vessels such as tug and barge traffic and fishing vessels pass starboard to starboard. Slower moving traffic transiting eastbound should follow the route established south of the TSS and north of the recommended two-way route line depicted on the chart. Slower moving traffic transiting westbound should follow the route established south of the recommended two-way route line.

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).

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

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

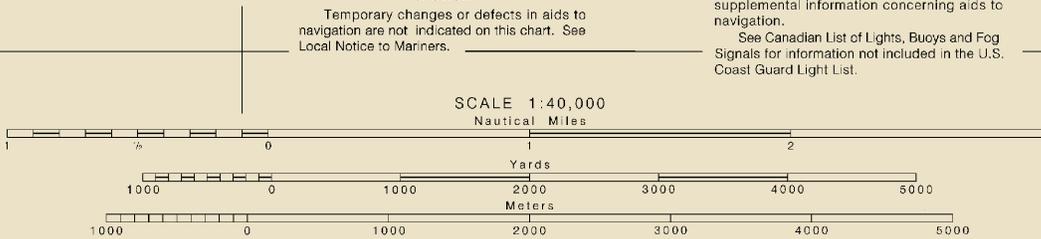
AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

CAUTION
PIPELINES AND CABLES
Submerged submarine operations are conducted at various times in the waters contained on this chart. Proceed with caution.



Charted submarine pipelines and cables may exist within the area of submarine pipelines and submarine cables required to be buried, and originally buried may have been reburied. Mariners should use extreme caution in depths of 100 fathoms or less in areas where submarine pipelines and cables may exist, and when anchoring, dredging, or trawling. Submarine pipelines and cables may be marked by lighted or unlighted buoys.



124° 40'

973.4 X 689.9 mm 35'

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Cape Flattery
SOUNDINGS IN FATHOMS - SCALE 1:40,000

18485



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>
- Interactive chart catalog — <http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml>
- 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
- 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>



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