LOCAL NOTICE TO MARINERS

District: 13  Week: 34/19

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067
Telephone: (206) 220-7280
Email: D13-LNM@uscg.mil
https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/
https://www.navcen.uscg.gov/?pageName=lnmDistrict&region=13

BROADCAST NOTICE TO MARINERS

Urgent marine navigational and weather information is broadcast over VHF channel 22A (157.1 MHZ). Broadcasts are first announced over the distress, safety and calling channel 16 before they are made. All ships in U.S. waters over 20 meters in length are required to monitor VHF channel 16, and must have radios capable of tuning to the VHF simplex channel 22A.

This section contains a range of all the significant Broadcast Notice to Mariners (BNM’s) on the date of this edition.

<table>
<thead>
<tr>
<th>Originating Unit</th>
<th>Beginning BNM</th>
<th>Ending BNM</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGD THIRTEEN</td>
<td>D13-0593-19</td>
<td>D13-0635-19</td>
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</tbody>
</table>

ABBREVIATIONS

A through H

ADRFNT - Buoy Adrift
AIWC - Atlantic Intracoastal Waterway
AI - Alternating
B - Buoy
BK - Breakwater
bl - Blast
BNM - Broadcast Notice to Mariner
bu - Blue
C - Canadian
CHAN - Channel
CGD - Coast Guard District
CG - Coast Guard
CONT - Contour
CRK - Creek
CONF - Construction
DAYMK - Daymark
DBN/Dbb - Daybeacon
DBD - Dayboard
DEF - Defaced
DEST - Destroyed
DISCON - Discontinued
DMGD - Damaged
ec - eclipse

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISR - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
MIO - Missing
LONG - Longitude
LT - Light
LT CONT - Light Continuous
LTR - Letter
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHZ - Megahertz
MISS/MSNG - Missing

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
RRASS - Remote Radio Activated Sound Signal
s - seconds
SEC - Section
SHL - Shoaling
si - silent
SIG - Signal
SNL - Sound
OREGON - TILLAMOOK BAY - Changes to the Aids to Navigation at the entrance to Tillamook Bay

The Coast Guard has changed the aids to navigation that mark the entrance into Tillamook Bay, from a southerly approach to a northerly approach. The following changes have occurred and are published in this Local Notice to Mariners:

Tillamook Bay Approach Lighted Whistle Buoy T (LLNRS 680-9810) has been relocated approximately 5400 yards to the north to approximate position 45-35-35.400N, 123-58-52.200W.

Tillamook Bay Entrance Lighted Bell Buoy 2 (LLNR 9817) has been established in approximate position 45-34-15.000N 123-58-19.200W, approximately 480 yards north of the prior location of Lighted Bell Buoy 1. Lighted Bell Buoy 2 will display a quick flashing red light (Q R) with a nominal range of 4 NM.

Tillamook Bay Entrance Lighted Bell Buoy 1 (LLNR 9815) has been disestablished.

Charts: 18520 18558

LNM: 34/19

WASHINGTON – LAKE WASHINGTON – Deployed wind-wave research lighted buoy

Seattle University and Sound Transit will be conducting research in the vicinity of the Interstate 90 Highway Bridge (west channel) (LLNR 18389) starting on 01 Sep 2019 through 01 May 2020, 24 hours a day. Sound Transit will deploy a black and yellow wave buoy that will be marked by a flashing white 2.5 seconds light, to measure wave heights. The buoy will be anchored 100 yards north of the center of the bridge in position 47-35-28.842N, 122-16-50.822W, which is within the I-90 Floating Bridge boater exclusion zone. Sound Transit requests all mariners keep 50 yards from the buoy to minimize wake as well as protect the buoy and the data it collects. For more information, contact Jason Snodderly of Sound Transit at (206) 370-5592 or email Jason.Snodderly@soundtransit.org.

Chart 18447

LNM: 34/19

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Future schedule for Hiram M. Chittenden Large Lock maintenance closures (Revised from 47/18)

USACE Seattle District has released a projected schedule for extended maintenance outages of the large lock chamber at the Hiram M. Chittenden Locks in Ballard. In 2019, USACE will commence the first of five extended 45-day closures to replace the valve gates, which are original equipment that must be replaced to keep the 101-year-old Chittenden Locks safe and operational for years to come.

The projected 45-day closure dates are:

2019:
- 12 Oct – 03 Dec
- 12 Feb – 05 Apr
- 12 Oct – 03 Dec
- 12 Feb – 05 Apr
- 09 Nov – 24 Nov

For more information, contact the Seattle District Public Affairs Office: Bill Dowell at (206) 764-3464 and email william.r.dowell@usace.army.mil

Chart 18447

LNM: 33/19

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE UNION – Fairview Avenue Bridge Notice (Revised from LNM 18/19)

Preliminary work to install a turbidity curtain for the Fairview Avenue Bridge Replacement project started on 12 Apr 2019. This turbidity curtain will remain in Lake Union waters 24 hours a day for the duration of the project, projected to run through early 2021. Navigation warning lights are installed on top of flotation logs indicating the location of the turbidity curtain. The bridge will be closed to all road traffic and in-water work...
will commence on 16 Sep 2019. Navigation is not allowed across or beyond the turbidity curtain which indicates the beginning of an active construction zone. The turbidity curtain is located on waterway 8 in front of the Zymo Genetics building and spans the waterway between Seattle Seaplanes and Windermere Real Estate. For more information contact Chris Barnes, SDOT Construction Engineer, (206) 234-1404, and email chris.barnes@seattle.gov.

OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Waterway and Aids to Navigation Survey

The Coast Guard is conducting a user survey for Yaquina Bay and the Yaquina River in Oregon. The Coast Guard uses the Waterways Analysis and Management System (WAMS) to validate the adequacy of the existing aids to navigation (ATON) system, as well as to get a better understanding of the uses of each waterway and general safety issues. WAMS focuses on the waterway's present ATON system, marine casualty information, port and harbor resources, changes in recreational and commercial marine vessel usage and future development and dredging projects. The survey is available at the Thirteenth Coast Guard District WAMS website https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Divisions/-dpw/-wams/. The deadline for survey entries is 01 Oct 2019. For additional information please contact LT Chad Coppin at (206) 220-7283 or email D13-PF-LNM@uscg.mil.

LNM: 33/19

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

<table>
<thead>
<tr>
<th>LNR</th>
<th>Aid Name</th>
<th>Status</th>
<th>Chart No.</th>
<th>BNM Ref.</th>
<th>LNM St</th>
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<tbody>
<tr>
<td>645</td>
<td>Yaquina Bay Approach Lighted Whistle Buoy Y</td>
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<td>51/18</td>
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<td>Miller Sands Channel Lighted Buoy 10</td>
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<td>Pillar Rock Lower Range Lighted Buoy 14</td>
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<td>690</td>
<td>Columbia River Approach Lighted Whistle Buoy CR</td>
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<td>0618-19</td>
<td>15/19</td>
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<td>Depoe Bay Entrance Lighted Bell Buoy 2</td>
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<td>Peacock Spit Lighted Buoy 7</td>
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<td>Columbia City Lighted Buoy 75A</td>
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<tr>
<td>11580</td>
<td>Reed Island Reach Lighted Buoy 61</td>
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<td>11630</td>
<td>Fashion Reef Lower Range Lighted</td>
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<td>12815</td>
<td>Lake Wallula Lighted Buoy 2</td>
<td>RELIGHTED</td>
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<td>0594-19</td>
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**DISCREPANCIES (PRIVATE AIDS)**

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<td>12775.1</td>
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<td>LT IMCH</td>
<td>18539</td>
<td>0590-19</td>
<td>33/19</td>
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<td>13082</td>
<td>Pasco Water Intake Warning Daybeacon B</td>
<td>DAYMK IMCH</td>
<td>18543</td>
<td>0599-19</td>
<td>34/19</td>
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<td>13083</td>
<td>Pasco Water Intake Lighted Warning Buoy C</td>
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<td>0598-19</td>
<td>34/19</td>
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<tr>
<td>13084</td>
<td>Pasco Water Intake Warning Daybeacon D</td>
<td>DAYMK IMCH</td>
<td>18543</td>
<td>0600-19</td>
<td>34/19</td>
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<tr>
<td>18215.4</td>
<td>Seaplane Warning Lighted Buoy D</td>
<td>LT EXT</td>
<td>18447</td>
<td>0621-19</td>
<td>30/19</td>
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**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

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<tr>
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<td>Seaplane Warning Lighted Buoy A</td>
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<td>18215.2</td>
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<td>18215.3</td>
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<td>18215.5</td>
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<td>0625-19</td>
<td>30/19</td>
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</table>

**PLATFORM DISCREPANCIES**
SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

**TEMPORARY CHANGES**

<table>
<thead>
<tr>
<th>LLNR</th>
<th>Aid Name</th>
<th>Status</th>
<th>Chart No.</th>
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<tr>
<td>700</td>
<td>North Head Light</td>
<td>DISCONTINUED</td>
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<td>0306-19</td>
<td>18/19</td>
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<td>8635</td>
<td>Chetco River Entrance Light 9</td>
<td>TRLB</td>
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<td>25/19</td>
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<td>9520</td>
<td>Siuslaw River Channel Light 14</td>
<td>TRLB</td>
<td>18583</td>
<td>0764-18</td>
<td>37/18</td>
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<tr>
<td>9846</td>
<td>Garibaldi Channel Light 11</td>
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<td>18558</td>
<td>0857-18</td>
<td>41/18</td>
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<td>14425</td>
<td>Baker Bay West Channel Buoy 3</td>
<td>DISCONTINUED FOR DREDGING</td>
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<td>14435</td>
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<td>Oswego Rock Daybeacon</td>
<td>TRUB</td>
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<td>0404-17</td>
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**PLATFORM TEMPORARY CHANGES**

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None

**PLATFORM TEMPORARY CHANGES CORRECTED**

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<th>Position</th>
<th>BNM Ref.</th>
<th>LNM St</th>
<th>LNM End</th>
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None
SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections. This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart          Chart            Edition         Last Local Notice        Horizontal                   Source of          Current Local Notice to Mariners
Number       Edition          Date            to Mariners                Datum Reference       Correction          Notice to Mariners

12327          91st Ed.     19-APR-97       Last LNM: 26/97        NAD 83                                               27/97
Chart Title: NY-NJ-NEW YORK HARBOR - BARITAN RIVER
Main Panel 2245 NEW YORK HARBOR

(Char) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W

(C) Green can

Corrective Action
Object of Corrective Action
Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

50
9th Ed.   01-DEC-15 Last LNM: 33/19 NAD 83 34/19
Chart Title: North Pacific Ocean (eastern part) Bering Sea Continuation
Main Panel 2400 NORTH PACIFIC OCEAN EASTERN PART. Page/Side: A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR
from 46-11-04.929N 124-11-02.685W
to 46-11-05.989N 124-11-01.291W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
at 47-21-09.849N 124-44-29.614W

501
13th Ed.  01-JUN-09 Last LNM: 32/19 NAD 83 34/19
Chart Title: North Pacific Ocean West Coast Of North America Mexican Border To Dixon Entrance
Main Panel 1650 MEXICAN BORDER TO DIXON ENTRANCE. Page/Side: N/A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR
from 46-11-04.929N 124-11-02.685W
to 46-11-05.989N 124-11-01.291W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy
at 46-08-36.000N 124-29-06.000W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
at 47-21-09.849N 124-44-29.614W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy
at 44-40-34.094N 124-30-53.687W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy
at 46-08-28.045N 124-34-28.021W
CGD13

530
35th Ed.  01-DEC-15 Last LNM: 33/19 NAD 83 34/19
Chart Title: North America West Coast San Diego to Aleutian Islands and Hawaiian Islands
Main Panel 2405 SAN DIEGO TO ALEUTIAN ISLANDS AND HAWAIIAN ISLANDS. Page/Side: A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR
from 46-11-04.929N 124-11-02.685W
to 46-11-05.989N 124-11-01.291W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
at 47-21-09.849N 124-44-29.614W
CGD13

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy
at 44-40-34.094N 124-30-53.687W
CGD13

18003
20th Ed.  01-NOV-06 Last LNM: 40/17 NAD 83 34/19
Chart Title: Cape Blanco to Cape Flattery
Main Panel 1651 CAPE BLANCO TO CAPE FLATTERY. Page/Side: N/A
RELOCATE Columbia River Approach Lighted Whistle Buoy CR
CGD13 from 46-11-04.929N to 46-11-05.989N
124-11-02.685W 124-11-01.291W

RELOCATE Tillamook Bay Approach Lighted Whistle Buoy T
CGD13 from 45-33-03.967N to 45-35-35.360N

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-36.000N
124-29-06.000W

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
CGD13 at 47-21-09.894N
124-44-29.614W

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy
CGD13 at 44-40-34.094N
124-30-53.687W

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-28.045N
124-34-28.021W

18007 33rd Ed. 01-FEB-09 Last LNM: 31/19 NAD 83 34/19

ChartTitle: San Francisco to Cape Flattery

Main Panel 1652 SAN FRANCISCO TO CAPE FLATTERY. Page/Side: N/A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR
CGD13 from 46-11-04.929N to 46-11-05.989N
124-11-02.685W 124-11-01.291W

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-36.000N
124-29-06.000W

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
CGD13 at 47-21-09.894N
124-44-29.614W

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy
CGD13 at 44-40-34.094N
124-30-53.687W

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-28.045N
124-34-28.021W

18421 53rd Ed. 01-MAR-19 Last LNM: 04/19 NAD 83 34/19

ChartTitle: Strait of Juan de Fuca to Strait of Georgia;Drayton Harbor

CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A

RELOCATE Swinomish Channel South Entrance Daybeacon 13
CGD13 from 48-22-02.000N to 48-22-02.051N
122-41-51.000W 122-31-51.141W

18427 24th Ed. 01-MAY-13 Last LNM: 04/19 NAD 83 34/19

ChartTitle: Anacortes to Skagit Bay

Main Panel 1680 ANACORTES TO SKAGIT BAY. Page/Side: N/A

RELOCATE Swinomish Channel South Entrance Daybeacon 13
CGD13 from 48-22-02.000N to 48-22-02.051N
122-41-51.000W 122-31-51.141W

18500 30th Ed. 01-MAY-08 Last LNM: 39/17 NAD 83 34/19

ChartTitle: Columbia River to Destruction Island

Main Panel 1730 COLUMBIA RIVER TO DESTRUCTION ISLAND. Page/Side: N/A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR
CGD13 from 46-11-04.929N to 46-11-05.989N
124-11-02.685W 124-11-01.291W

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-36.000N
124-29-06.000W

CHANGE NOAA Environmental Lighted Buoy 46041
Chart Symbol to ODAS Super Buoy
CGD13 at 47-21-09.894N
124-44-29.614W

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy
CGD13 at 46-08-28.045N
124-34-28.021W
Yaquina Head to Columbia River; Netarts Bay

Chart Title: Yaquina Head to Columbia River; Netarts Bay

Chart OR - YAQUINA HEAD TO COLUMBIA RIVER. Page/Side: N/A

DELETE Tillamook Bay Entrance Lighted Bell Buoy 1

CGD13
45-34-02.937N
123-58-17.034W

CGD13

RELOCATE Columbia River Approach Lighted Whistle Buoy CR

from 46-11-04.929N
to 46-11-05.989N
124-11-02.685W
124-11-01.291W

CGD13

RELOCATE Depoe Bay Entrance Lighted Bell Buoy 2

from 44-48-28.618N
to 44-48-28.559N
124-04-27.544W
124-04-31.732W

CGD13

RELOCATE Tillamook Bay Approach Lighted Whistle Buoy T

from 45-33-03.967N
to 45-35-35.360N
123-58-56.154W
123-58-52.291W

CGD13

ADD Tillamook Bay Entrance Lighted Bell Buoy 2

Red with Bell

Q R

Main Panel 1735 YAQUINA HEAD TO COLUMBIA R. Page/Side: N/A

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy

CGD13
at 46-08-36.000N
124-29-06.000W

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy

CGD13
at 44-40-34.094N
124-30-53.687W

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy

CGD13
at 46-08-28.045N
124-34-28.021W

Columbia River Pacific Ocean to Harrington Point; Ilwaco Harbor

Chart Title: Columbia River Pacific Ocean to Harrington Point; Ilwaco Harbor

Chart OR - WA - COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT - ILWACO HARBOR. Page/Side: N/A

RELOCATE Columbia River Approach Lighted Whistle Buoy CR

CGD13
from 46-11-04.929N
to 46-11-05.989N
124-11-02.685W
124-11-01.291W

TILLAMOOK BAY

Main Panel 1788 TILLAMOOK BAY. Page/Side: N/A

DELETE Tillamook Bay Entrance Lighted Bell Buoy 1

CGD13
45-34-02.937N
123-58-17.034W

CGD13

RELOCATE Tillamook Bay Approach Lighted Whistle Buoy T

from 45-33-03.967N
to 45-35-35.360N
123-58-56.154W
123-58-52.291W

CGD13

ADD Tillamook Bay Entrance Lighted Bell Buoy 2

Red with Bell

Q R

TILLAMOOK BAY

Main Panel 1788 TILLAMOOK BAY. Page/Side: N/A

CHANGE NOAA Environmental Lighted Buoy 46029
Chart Symbol to ODAS Super Buoy

CGD13
at 45-34-14.966N
123-58-19.178W

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy

CGD13

CHANGE NOAA Environmental Lighted Buoy 46T29
Chart Symbol to ODAS Super Buoy

123-58-19.178W

Approaches to Yaquina Bay; Depoe Bay

Chart Title: Approaches to Yaquina Bay; Depoe Bay

Chart OR - APPROACHES TO YAQUINA BAY. Page/Side: N/A

RELOCATE Depoe Bay Entrance Lighted Bell Buoy 2

CGD13
from 44-48-28.618N
to 44-48-28.559N
124-04-27.544W
124-04-31.732W

CGD13

RELOCATE Yaquina Bay South Jetty Sound Signal

from 44-36-34.494N
to 44-36-35.514N
124-04-44.802W
124-04-42.222W

CAPE BLANCO TO YAQUINA HEAD

Main Panel 1791 CAPE BLANCO TO YAQUINA HEAD -. Page/Side: N/A

CHANGE NOAA Environmental Lighted Buoy 46050
Chart Symbol to ODAS Super Buoy

CGD13
at 44-40-34.094N
124-30-53.687W

Cape Blanco to Yaquina Head
SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

<table>
<thead>
<tr>
<th>Approved Project(s)</th>
<th>Project Date</th>
<th>Ref. LNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OREGON – COQUILLE RIVER – Conversion of the continuous sound signal to a Marine Radio Activated Sound Signal</strong> <em>(Revised from LNM 16/19)</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The U.S. Coast Guard is planning to change the sound signal on Coquille River South Jetty Light 8 (LLNR 8700) from a continuously sounding fog signal to a Marine Radio Activated Sound Signal (MRASS). The date for the completion of this change has been delayed for the allowance of additional public comment. The fog signal will be activated by the maritime users as needed by keying a VHF-FM microphone five (5) times on the assigned frequency of VHF-FM channel 83A (157.175 MHz). The Sound Signal will activate for approximately one half hour (30 minutes) and then cease. A Broadcast Notice to Mariners will be issued upon the completion of the change, and it will be published in Local Notice to Mariners. Mariners are encouraged to share comments on this change and the performance and operation of this aid to navigation. All comments should be sent to the email address <a href="mailto:D13-PF-LNM@uscg.mil">D13-PF-LNM@uscg.mil</a>. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector North Bend.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charts: 18580 18588</td>
<td></td>
<td>LNM: 19/19</td>
</tr>
</tbody>
</table>

| **COLUMBIA RIVER – CRIMS ISLAND TO VANCOUVER – Testing of LED Range Lights** *(Revised from LNM 15/19)* |              |          |
| The U.S. Coast Guard is testing LED combination lantern systems to replace the incandescent lanterns at the locations listed below. The remaining changes are expected to occur during the spring and summer of 2019. The selected sites are: |              |          |
| Stellar Range Front Light (LLNR 10660) the high intensity beam width will be increased from 1° to 3° and the intensity of the light will be increased. Stellar Range Rear Light (LLNR 10665) the overall intensity of the range light will be increased. |              |          |
| Kalama Upper Range Front Light (LLNR 10195) the high intensity beam width will be increased from 1° to 3° and the intensity of the light will be increased. Kalama Upper Range Rear Light (LLNR 10920) the intensity will be increased. |              |          |
| Willow Upper Range Front Light (LLNR 11155) & Morgan Upper Range Front Light (LLNR 11160) the high intensity beam width will be increased from 1° to 3° and the intensity of the light will be increased. Willow Upper Range Rear Light (LLNR 11160) the intensity will be increased. Morgan Upper Range Rear Light (LLNR 11195) will remain unchanged. |              |          |
| Mariners are encouraged to share comments on the performance and operation of these lights as aids to navigation. All comments should be sent to the email address D13-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River. |              |          |
| Charts: 18524 18525                                                              |              | LNM: 16/19 |

| **WASHINGTON - GRAYS HARBOR – Testing of LED Range Lights** |              |          |
| The U.S. Coast Guard is testing LED combination lantern systems to replace the incandescent lanterns at the locations listed below. The remaining changes are expected to occur during the spring and summer of 2019. The selected sites in Grays Harbor are: |              |          |
| Cow Point Reach Range G Front Light (LLNR 15810) & Aberdeen Reach Range K Front Light (LLNR 15870) the high intensity beam width will be increased from 1° to 3° and the intensity of the light will be increased. Cow Point Reach Range G Rear Light (LLNR 15815) the light sector will decrease from 20° to 8°. The intensity will be increased. |              |          |
| Aberdeen Reach Range K Rear Light (LLNR 15875) the intensity of the light will be increased. |              |          |
| Mariners are encouraged to share comments on the performance and operation of these lights as aids to navigation. All comments should be sent to the email address D13-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River. |              |          |
| Chart 18502                                                                     |              | LNM: 16/19 |

| **WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – ROSARIO STRAIT – Change to the light characteristic of Belle Rock Sector Light** |              |          |
The U.S. Coast Guard will be changing the red high intensity beam on Belle Rock Sector Light (LLNR 19395) from a 1.5° beam to a 3° beam. This change will facilitate the installation of a LED lantern, and increase the intensity of both the red and white light characteristic from the current light. Mariners are encouraged to share comments on this change and the performance and operation of this light and other Aids to Navigation. All comments should be sent to the email address D13-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

Charts: 18421 18429 18430

SECTION VI - PROPOSED CHANGES
Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<table>
<thead>
<tr>
<th>Proposed Project(s)</th>
<th>Closing</th>
<th>Docket No.</th>
<th>Ref. LNM</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Proposed Change Notice(s) | | | |
|---------------------------| | | |
| None                      | | | |

SECTION VII - GENERAL
This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS
The summary of Bridge Lighting Discrepancies and Corrections is listed as Enclosure (1) of this Local Notice to Mariners.

SUMMARY OF DREDGING OPERATIONS
The summary of Dredging Operations is listed as Enclosure (2) of this Local Notice to Mariners.

SUMMARY OF MARINE EVENTS
The summary of Marine Events is listed as Enclosure (3) of this Local Notice to Mariners.

OREGON – COOS BAY – McCullough Highway Bridge Notice
ODOT will be painting and preserving the McCullough Highway Bridge (US 101) (LLNR 9009) at North Bend, Oregon, across Coos Bay, mile 9.5, from 01 Apr 2019 through 31 Mar 2021, from 0700-1900 seven days per week. The subject bridge provides 148 feet of vertical clearance, which will be reduced to 145.5 feet with the containment system. The containment will be marked with flashing amber lights. Mariners may transit under the bridge at any time, but are advised to use caution for fall hazards. For additional information, contact Nick Frangopoulos at (330) 540-1008 or vimaspainting@aol.com.
Chart 18587
LNM: 34/19

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – Youngs Bay Highway Bridge Repair notice
ODOT will be conducting repair work on the Youngs Bay Highway Bridge (LLNR 14573) at Warrenton, Oregon, from 11 Mar 2019 through Nov 2021. Mariners are advised that there will be barges and assist vessels at the work site and a containment system under the bridge reducing vertical clearance. There will be no containment system under the liftspan of the bridge, and the main channel will remain clear for traffic, with no change to the operation of the lift. Mariners are requested to use slow speed to minimize wake. Interested parties can contact the on-site construction manager, Craig Gries at (503) 580-6319 or email at cgries@orstbridge.com.
Chart 18521
LNM: 10/19

COLUMBIA RIVER – HARRINGTON POINT TO CRIMS ISLAND – CATHLAMET CHANNEL – Puget Island Highway Bridge notice
Painting and preservation work will be conducted on the Puget Island Highway Bridge (LLNR 10545) (also called the Julia Butler Hansen Bridge) from 15 Apr 2019 until 31 Dec 2019. The Puget Island Highway Bridge crosses Cathlamet Channel at mile 2.7 (Columbia River mile 3.9) near Cathlamet, Washington. The working hours will be 0600 to 1700, Monday to Saturday. This work requires a containment platform; and the vertical clearance across the main channel will be reduced from 75 feet to 73 feet, and from 63 feet to 61 feet across the south channel. The platform will be marked with amber flashing lights and regulatory signs. Mariners are cautioned to watch for falling debris. For more information, contact Mike Saroukos at (727) 254-1142.
Chart 18523
LNM: 15/19
COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Wind River Railroad Bridge construction

Advanced American Construction (AAC) will be conducting railroad bridge construction in the Columbia River at the mouth of Wind River (RM 155). Operations include the final railroad bridge replacement and removal of the existing structure. Onsite work will occur from 29 Jul 2019 to 23 Aug 2019 and mariners are asked to transit the area with extreme caution and minimize wake. All marine navigation under the bridge will be closed from 01 Aug 2019 to 06 Aug 2019 for the bridge replacement. AAC’s Derrick Barge DB 4100 and tug Maria will be on station and monitoring VHF-FM channel 16 during the working hours of 0700 through 1700, Monday through Saturday 29 Jul 2019 to 23 Aug 2019 and 24hrs a day from 01 Aug 2019 to 06 Aug 2019. The floating equipment will remain on-station during non-working hours and will be illuminated at night by fixed white lights on all corners. For more information, please contact Kyle Izatt at (503) 849-3336, email Kylei@CallAAC.com, or Todd High at (503) 572-0101, email Toddh@CallAAC.com.

Chart 18532
LNM: 27/19

COLUMBIA RIVER - PASCO TO RICHLAND - LAKE WALLULA - US-395 (Blue) Bridge notice

WSDOT will be abrasive blast cleaning and painting the US-395 (Blue) Bridge (LLNR 13057) at Columbia River mile 330 from 07 Jul 2019 to 23 Mar 2020. The working hours will be Mon-Sat from 0700 to 1700. Scaffolding and containment will be installed reducing the vertical clearance from 61 feet to 58 feet. A working barge will be moored under the area of work, and lighted per the Coast Guard Navigation Rules of the Road. Mariners may transit under the bridge at any time, but should be aware of fall hazards. For more information, contact the site superintendent, Adam Cady, at (585) 905-1160.

Chart 18543
LNM: 26/19

OREGON – WILLAMETTE RIVER - PORT OF PORTLAND – Burnside Bridge deviation

The Coast Guard has issued a temporary deviation to the operating schedule that governs the Burnside Bridge (LLNR 14955.4) across the Willamette River at mile 12.4, in Portland, Oregon. The double bascule bridge will be allowed to operate in single leaf mode (one side open only) from 11 Jun 2019 until 31 Oct 2019 to support containment installation and painting. The west leaf will be in the closed-to-navigation position from 0700 on 11 Jun 2019 to 1800 on 30 Jun 2019; the east leaf will open to marine vessels. The east leaf will be in the closed-to-navigation position from 0700 on 1 Jul 2019 to 1800 on 31 Oct 2019; the west leaf will open to marine vessels. Tug assistance is available upon request. The Burnside Bridge's vertical clearance of the closed leaf will be reduced from 64 feet to 54 feet above Columbia River Datum 0.0. The normal operating schedule is in 33 CFR 117.897(c)(3)(iii). Vessels which do not require a bridge opening may continue to transit through the bridge during this closure period. The bridge will be able to open for emergencies in single leaf only, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the designated time period. For more information on this closure, contact Emily Mileitch at email emily.mileitch@multco.us.

Chart 18526
LNM: 16/19

OREGON – WILLAMETTE RIVER - PORT OF PORTLAND – Morrison and Hawthorne bridges temporary deviation

The Coast Guard has issued a temporary deviation to the operating schedule that governs the Morrison Highway Bridge (LLNR 14955.5), mile 12.8, and Hawthorne Highway Bridge (LLNR 14955.6), mile 13.1, crossing the Willamette River at Portland, Oregon. This deviation is necessary to accommodate the Portland Marathon Run event. This deviation allows the bridges to remain in the closed-to-navigation position to allow safe and timely movement of event participants from 0700 until 1330 on 06 Oct 2019. The vertical clearances for these bridges in the closed-to-navigation position are: 69 feet for the Morrison Highway Bridge and 49 feet for the Hawthorne Highway Bridge (all clearances are referenced to the vertical clearance above Columbia River Datum 0.0.) Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. For additional information contact Jon Henrichsen at jon.p.henrichsen@multco.us.

Chart 18526
LNM: 24/19

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Hawthorne Bridge temporary deviation

The Coast Guard has issued a temporary deviation to the operating schedule that governs the Hawthorne Highway Bridge (LLNR 14955.6) across the Willamette River, mile 13.1, at Portland, Oregon, from 0700 to 1200 on 22 Sep 2019. This deviation is necessary to accommodate the More Than Pink Walk event, and allows the bridge to remain in the closed-to-navigation position to facilitate the safe and timely movement of event participants. The Hawthorne Bridge provides 49 feet of vertical clearance in the closed-to-navigation position referenced to the vertical clearance above Columbia River Datum 0.0. The normal operating schedule is in 33 CFR 117.897(c)(3)(v). Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The draw spans will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the effective period of this temporary deviation. For additional information contact Jon Henrichsen at jon.p.henrichsen@multco.us.

Chart 18526
LNM: 24/19

WASHINGTON – PUGET SOUND – NORTHERN PART – PORT MADISON AND PORT ORCHARD – Painting of the Agate Pass Bridge

WSDOT will be painting the Agate Pass Bridge (LLNR 17935) on a 24 hour daily schedule from 01 Jun 2019 to 01 Jun 2020 (Monday through Saturday). WSDOT will be using containment to prepare and paint sections of the bridge one section at a time. At mean high water elevation Agate Pass Bridge provides 76 feet of vertical navigation clearance. The containment system will reduce the bridge's vertical clearance by approximately 8 feet thus reducing the vertical navigation clearance to 68 feet in the vicinity of the containment systems. Bridge navigation lights will not be affected. Vessels that require the bridge's full vertical clearance, may use a section without containment, plan to navigate at low water or use Rich Passage as an alternate route. Mariners exercise caution for falling debris when transiting underneath the Agate Pass Bridge. For further information please contact the WSDOT Assistant Project Engineer Andy Larson at (360) 874-3011, or email LarsonA@wsdot.wa.gov.

Chart 18441
LNM: 20/19

WASHINGTON – LAKE WASHINGTON SHIP CANAL - George Washington Memorial Bridge Notice (Revised from LNM 01/18)

Washington State Department of Transportation will be conducting painting and preservation operations on the George Washington Memorial Bridge.
WASHINGTON – LAKE WASHINGTON SHIP CANAL - George Washington Memorial Bridge Notice (Revised from LNM 01/18)
Street Bridge (Aurora Avenue Bridge) (LLNR 18184). The work will be conducted from 01 Apr 18 through 31 Oct 20. Hours of work will be from 0700 to 1900, Monday through Saturday. The subject bridge provides 135 feet of vertical clearance will be reduced to 125 feet for containment. The containment will be marked with flashing yellow lights and signage. Half of the 150 feet of horizontal clearance will have containment. Mariners may transit under the bridge at any time, and are advised to use caution while transiting the area. For additional information, contact Nick Hadsell, PM, at (330) 402-3232 or nhadsell@libertymaintenanceinc.com.

WASHINGTON – LAKE WASHINGTON SHIP CANAL – Montlake Bridge temporary deviation
The Coast Guard has issued a temporary deviation from the normal operating schedule that governs the Montlake Street Bridge (LLNR 18240) over the Lake Washington Ship Canal, mile 5.2. The Montlake Bridge need not open the draw for marine vessels during heavy road traffic for the University of Washington football games on the following dates and times:
- 31 Aug 2019, 0930 to 1200 and 1430 to 1700;
- 07 Sep 2019, 1700 to 1930 and 2200 to 0030;
- 14 Sep 2019, 1400 to 1630 and 1900 to 2130;
- 28 Sep 2019, TBA at a later date;
- 19 Oct 2019, TBA at a later date;
- 02 Nov 2019, TBA at a later date;
- 29 Nov 2019, 1030 to 1300 and 1530 to 1800.
The deviation is necessary to accommodate vehicular traffic attending football games at Husky Stadium at the University of Washington, in Seattle, Washington. This deviation will allow the Montlake Bridge to remain in the closed-to-navigation position two and a half hours before and after each game. Vessels which do not require a bridge opening may continue to transit beneath this bridge during the closure. The bridge will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. The Coast Guard will publish any updates or changes to this operating schedule in future LNM publications. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times. For more information, contact Colleen Arnold at (425) 739-3700.

WASHINGTON – WASHINGTON SHIP CANAL – SR 520 West Approach Bridge South exploration
WSDOT contractors will be performing subsurface explorations via geotechnical borings for the State Route (SR) 520 West Approach Bridge South project in southern Union Bay from 29 Jul 2019 through 30 Sep 2019. Mariners are advised to transit with caution when navigating near the project area; a graphic representation of the boring locations is included as enclosure (4) of Local Notice to Mariner 33/19. The subsurface exploration will be conducted by drill rigs supported on the existing bridge deck. The duration of each boring will vary between two to four days and the hours of operations will be 24 hours a day and seven days a week. The duration of each boring will be a 6-inch steel conductor casing extending from the bridge deck to the water. When deployed, the conductor casing will have a high visibility containment boom around the perimeter. During each boring operation, there will be a 14ft work skiff at the location providing under-bridge support. Mariners are advised to use caution while transiting the area around each boring location during the dates provided and be aware that no boaters are permitted between the 14ft work skiff and conductor casing at any time. For additional information, contact Dennis Suh at (504) 206-6494 or email dsuh@americanbridge.net.

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON - Interstate 90 Highway Bridge construction (Revised from LNM 22/18)
Kiewit-Hoffman will be performing seismic upgrades to the existing approach piers for the Interstate 90 (I-90) Highway Bridge (LLNR 18389 and 18398). The west navigation channel and east navigation channels for the I-90 Floating Bridge will have marine activities, including the moving of barges, but will stay open to mariners. Mariners are advised to use caution while transiting near barges within the Sound Transit E130 project area. These vessels are currently moored to columns or buoys and may present hazards. Construction barges located within the work zones will be marked with steady white lights on all four corners. Mariners should maintain a safe distance and minimize wake around all floating barges and other construction vessels. The eastern navigation channel will be open and will not change vertical or horizontal clearances. Two sets of steel fabework temporary structures are now installed on pier caps on the east side along piers 10 and 11. The steel beams are marked with steady white lights in addition to reflective tape. Mariners should maintain a safe distance from these work areas and should not deviate from the established channels. Barges will be working on both the east and west structures performing retrofit scopes, and will be traveling to and from the temporary mooring buoys throughout the week. Two temporary mooring buoys marked with white lights flashing every 4 seconds (Fl W 4s) have been relocated near the bridge for the mooring of the barges. The positions are:
Mooring Buoy (Northwest side of I-90 Floating Bridge) 47-35-32.040N, 122-16-49.740W
Mariners should not deviate from these established paths through navigations channels when open to vessel traffic. Construction and operations at this site are expected to continue through 2020. For additional information contact Matt Larson at (425) 318-5296 or email mattson.larson@kiewit.com.

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – Bridge notice
Advanced American Construction will be performing maintenance operations on BNSF Bridge 37 (LLNR 18591.1) at Snohomish River mile 3.5, from approximately 10 Jul 2019 through 15 Sep 2019. Work includes pile driving and repairs to the bridge fender system. The derrick barge and tug Joseph George will be moored outside of the channel, on the south side of the fender system for the duration of the work. During working hours, Monday – Friday, 0700 – 1730, the tug Joseph George will be monitoring VHF-FM Channel 13. Barges will remain on station during non-working hours and have steady white lights on all corners. Mariners are requested to minimize wake when transiting through the work site. For additional information, contact Evan Clemson at (503) 445-9009 or Evanc@Advanced-American.com.
WASHINGTON – PUGET SOUND – ANACORTES TO SKAGIT BAY – DECEPTION PASS – Bridge notice

WSDOT will be cleaning, painting and repairing the bridges over Deception Pass and Canoe Pass south of Anacortes. The work is expected to begin at 0600 on 01 Apr 2019 and be complete by 2000 on 31 Oct 2020. The Deception Pass Bridge has a vertical clearance of 144 feet, and the vertical clearance under the Canoe Pass Bridge is 154 feet. No in-water work will be conducted, and a full containment system will be employed, however, mariners are cautioned that fall hazards will exist. For further information on this project contact the Project Engineer, Shane Spahr, at (360) 848-7103 or email spahrs@wsdot.wa.gov.

Chart 18427

IDaho - LAKE COEUR D'ALENE – I-90 Blue Creek Highway Bridge Notice

Idaho Transportation Department is conducting repair work to the I-90 Blue Creek Highway Bridge across Lake Coeur D’Alene from Jun 18 through Aug 19. These dates are weather pending. The subject bridge is located at 47-37-38.5N, 116-40-37.3W. This project is in three phases as shown in enclosure (5) of Local Notice to Mariners 28/18. The enclosure shows work zones for mariners to remain clear, and the section of the bridge open for passage during each phase. The work will include heavy construction with fall hazards in the closure areas, and painting and preservation. Hours will be 0700 to 1730, seven days a week for most above water work and all underwater work, with 0700 to 1900 above water a few times per week. The vertical clearance for the navigable section will be 24 feet, and the horizontal clearance will be a minimum of 120 feet. The construction zone will be marked with orange buoys and lighted regulatory no wake buoys. Orange caution signs will be installed from the bridge marking the navigable section. Mariners may transit under the bridge span with no active working, but at minimum safe speed. The point of contact for the construction company is Skip Delwisch at (208) 600-2595.

LNM: 25/18

COLUMBIA RIVER – SNAKE RIVER - 2019 Summer lockage schedule for recreational vessels (Revised from LNM 21/19)

The USAE, Walla Walla District, is implementing the 2019 summer lockage schedule for the passage of recreational vessels through the following navigation locks:

- McNary Lock and Dam
- Ice Harbor Lock and Dam
- Lower Monumental Lock and Dam
- Little Goose Lock and Dam
- Lower Granite Lock and Dam

Columbia River Mile 292 (541) 922-2231
Snake River Mile 9.7 (509) 543-3231
Snake River Mile 41.6 (509) 282-7231
Snake River Mile 70.3 (509) 399-2233 x231
Snake River Mile 107.5 (509) 843-2231

The following annual recreational lockage schedules will be implemented for all the locks beginning 15 May 2019 through 14 Sep 2019 and applies to McNary, Lower Monumental, Little Goose and Lower Granite:

The Corps will consider special lockages, outside the above scheduled lockage times, for flotillas or other unique activities sponsored by yacht clubs, marinas, and other groups, provided advance (at least 24 hours) arrangements have been made with the appropriate control room operator. When a recreational vessel lockage schedule is in effect, recreational vessels will only be allowed to lock through at the times designated for such lockages and they will take precedence over commercial vessels. Commercial vessels will continue to be locked through upon arrival except during the times specified for recreational vessel lockages. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial craft. Everyone in the vessel must be wearing a personal flotation device throughout the duration of the lockage. All vessel owner/operators lock through at their own risk and must follow the directions of the lock operator when using the locks or operating in the vicinity of the locks. The lock operator has final authority on the suitability of a craft for lockage. Please refer to the USACE Safe Lockage Policy for Recreational Craft on the Columbia and Snake for additional safety requirements, https://www.nww.usace.army.mil/Portals/28/docs/navigation/locking.pdf. For additional information on this matter, please contact the Operations Division, at (509) 527-7112 or (509) 527-7364.

Charts: 18541 18545 18546 18547 18548

COLUMBIA RIVER – BLALOCK ISLAND TO MCNARY DAM – McNary Navigation Lock longer lockage times

Mariners using the navigation lock at McNary Lock and Dam, located at Columbia River Mile 292, will experience longer lockage times 17 Jun 2019 to 09 Sep 2019. During this period a contractor will be replacing one fill and one drain tainter valve at the lock. Average lockage time is estimated to be 60-75 minutes during this period. For additional information, contact the McNary Chief Operator at (541) 922-2231, Call Sign: WUJ41 or NWW Operations Division at (509) 527-7364.

Chart 18539

SNAKE RIVER – LAKE BRYAN – Little Goose Navigation Lock notice

Vessels transiting the Little Goose Navigation lock may not tie up to or rub against the upstream floating guidewall, due to damage, until further notice. These restrictions will remain in place until repairs can be made to the floating guidewall keyway and cables. For additional information, contact the Little Goose Operator at (509) 399-2233.

Chart 18547

CALIFORNIA – OREGON – WASHINGTON – COAST LINE AND OFFSHORE – NOAA and Saildrone joint ocean survey operations

Saildrone Inc. is conducting oceanographic and fisheries acoustic surveys in collaboration with NOAA on the US West Coast from 17 Jun 2019 through August 2019, 24 hours a day, for the purpose of weather, oceanographic and fisheries research. The survey will be conducted by seven unmanned surface vehicles, called saildrones, each 23ft, orange in color with a white all-round light and marked “SAILDRONE”. The Saildrones will deploy from Alameda, CA, and Neha Bay, WA. They will be conducting coastal and offshore surveys along the coast between Neha Bay, WA, and Point Conception, CA. All drones are unmanned and windpowered and will have limited maneuverability during survey operations. Mariners are requested to transit areas with caution and to remain greater than 500 meters away from the research equipment. Enclosure 4 of Local Notice to Mariners 28/19 provides a photo and a description of the saildrone. Questions should be directed to Saildrone Mission Control,
WASHINGTON COAST – COBIA RIVER TO THE STRAIT OF JUAN DE FUCA – Deployment of sub-surface acoustic recorder moorings

NOAA Northwest Fisheries Science Center (NMFS) will be deploying subsurface acoustic recorder moorings along the Washington Coast on 15 Oct 18. The moorings will have a subsurface float and cabling up to 125 meters from the ocean floor but may be as little as 20 meters below the surface in some locations. The moorings are expected to remain on site through 01 Oct 19. The moorings are located at:

<table>
<thead>
<tr>
<th>Location Area Name</th>
<th>Latitude - Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbia River North</td>
<td>46-19-37N 124-11-54W</td>
</tr>
<tr>
<td>Westport</td>
<td>46-57-51N 124-18-09W</td>
</tr>
<tr>
<td>LaPush</td>
<td>47-52-50N 124-40-53W</td>
</tr>
<tr>
<td>Cape Flattery Offshore</td>
<td>48-10-33N 125-37-08W</td>
</tr>
</tbody>
</table>

LNM: 34/19
21 August 2019
WASHINGTON COAST – COLUMBIA RIVER TO THE STRAIT OF JUAN DE FUCA – Deployment of sub-surface acoustic recorder moorings

Western Strait of Juan de Fuca 48-29-30N 124-47-00W

Mariners should avoid trailing any gear or equipment to prevent entanglement when transiting in the vicinity. For additional information contact Brad Hanson at (206) 860-3220 or email Brad.Hanson@wsdot.wa.gov.

Charts: 18480 18500

WASHINGTON – OLYMPIC COAST NATIONAL MARINE SANCTUARY - Temporary surface buoy deployment

NOAA will be deploying ten oceanographic research moorings in the Olympic Coast National Marine Sanctuary on or about 20 May 2019. The R/V Tatoosh will conduct the deployments and will be monitoring VHF-FM channel 16. Each mooring is marked with a bright orange surface float with a bright yellow flag on a pole and a radar reflector. The floats are unlighted. The moorings will be in place until approximately 04 Oct 2019.

Positions of the moorings and depths of the sensors are as follows:

CA015 48-09-58.680 N 124-45-24.600 W
CA042 48-09-57.660 N 124-49-24.120 W
TH015 47-52-34.020 N 124-37-10.080 W
TH042 47-52-34.140 N 124-44-00.300 W
KL015 47-36-03.000 N 124-25-42.240 W
KL027 47-35-40.440 N 124-29-49.440 W
CE015 47-21-24.420 N 124-20-53.280 W
CE042 47-21-11.280 N 124-29-19.440 W

For more information contact LTJG Alisha Friel at (360) 406-2077 or email voc.ocnms@noaa.gov

Charts: 18480 18500

APPROACHES TO STRAIT OF JUAN DE FUCA – DESTRUCTION ISLAND TO AMPHITRITE POINT - Seafloor Science Equipment Deployed

On 08 Mar 2019 the Naval Postgraduate School Department of Oceanography deployed three pieces of scientific equipment on the seafloor near the approach to Strait of Juan de Fuca in the following positions:

OC01: 48-23-37.680N, 124-39-14.400W (just west of Neah Bay)
OC02: 48-29-25.320N, 125-00-13.680W (near buoy j)
OC04: 48-02-15.960N, 124-43-02.420W (8.5 NM north of Quillayute River)

Each piece of equipment extends 20 foot above the seafloor. All of the equipment is scheduled to be removed during the month of September 2019. For more information, contact John Joseph at (831) 656-7994 or jejoseph@nps.edu.

Charts: 18460 18480 18485

CANADA – STRAIT OF GEORGIA AND STRAIT OF JUAN DE FUCA – Vessel restrictions in Canadian waters

The Government of Canada has issued an Interim Order for the Protection of Killer Whales in the Waters of Southern British Columbia. The Order is in effect from 01 Jun 2019 until 31 Oct 2019 and implements several measures to protect whales from vessel disturbance, including specific geographic restricted areas, and proximity and speed restrictions when in the vicinity of whales. U.S. mariners who operate in Canadian waters should become familiar with the Order. Detailed information can be found at the following Transport Canada website: http://www.tc.gc.ca/eng/mediaroom/interim-order-protection-killer-whales-waters-southern-british-columbia.html

Charts: 18400 18421 18460

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction at Piers 62 and 63

Pacific Pile and Marine, LP is conducting pier demolition and construction operations at Piers 62 and 63 in Elliott Bay, WA from 15 Jan 18 through January of 2020. The hours of operations will be 0700 to 1700, Monday through Friday though some work may be continued through the weekends. The construction and crane barge Web and various other barges will be onscene at all times, lighted at night, and will monitor VHF-FM channels 13, 16 & 69. Construction equipment may be moored in the vicinity of Piers 62 and may restrict sections of the waterway. For additional information, contact Karl Benjamin at (206) 331-3873 or at email Karlb@pacificpile.com.

Chart 18450

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY - Colman Dock construction

Washington State Ferries is conducting demolition and construction operations at the Colman Docks, scheduled to be completed in the summer of 2022. Operations will be conducted from 0700 to 1700, Monday through Friday. Mariners should be aware of marine construction equipment moored around the Colman Dock and regular tows up and down the Duwamish River in support of the operation. Equipment may obstruct small sections of the waterway adjacent to Colman Dock. Water quality monitoring will be taking place during construction operations. Please direct any inquiries to WSF Communications at (206) 402-8070 or email wsfcomms@wsdot.wa.gov.

Chart 18450

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction under Terminal 46

Stellar J and Bergerson Construction is conducting repair work operations under Terminal 46 in Elliott Bay until approximately 30 Jan 20. Operations will be conducted during daylight hours to coincide with tidal changes, Monday through Friday. There will be up to five work skiffs, two working floats as well as a scaffolding system under the dock. Work parties will answer hails as Stellar J or Bergerson Construction on VHF-FM channel 17. All work will be conducted inside the dock line, and it is requested that all vessels transiting the vicinity operate with minimum wake. For additional information contact Mike Klassen of Stellar J Corporation at (360) 518-2544 or email mikeklassen@stellarj.com.

Chart 18449
WASHINGTON – PUGET SOUND – ELLIOT BAY – Terminal 5 pier construction
Orion Marine will be performing pile removal, demolition of structures, and new pier construction for the Terminal 5 Berth Modernization Project for the Port of Seattle on the Duwamish River west waterway. Phase 1 will start 22 Jul 2019 and run through 31 Dec 2020 and phase 2 will run from Jun 2021 through Mar 2023. Work will typically take place from 0700 to 1700, Monday thru Friday. The DB Rainbow and DB St. Helens, will each have a material barge moored alongside and will always remain on site. Each floating plant will have all corners marked with steady burn white lights. The DBs will run on anchors at times so mariners are requested to keep at least a 200-foot distance. The crane and tugs will monitor VHF-FM channel 13. For additional information please contact Bradley Morlock at (253) 552-1140 or email bmorlock@orionmarinegroup.com
Chart 18450  LNM: 28/19

WASHINGTON – PUGET SOUND – HOOD CANAL – Safety zone enforcement for training exercises
The Coast Guard will enforce the safety zones around vessels involved in Coast Guard training exercises in Hood Canal, WA set forth in 33 CFR 165.1339, from 0800 on 19 Aug 2019 through 1700 on 23 Aug 2019. Under the provisions of 33 CFR 165.1339, no person or vessel may enter or remain within 500 yards of any vessel involved in Coast Guard training exercises while such vessel is transiting Hood Canal, WA, between Foul Weather Bluff and the entrance to Dabob Bay, unless authorized by the Captain of the Port or her Designated Representative. In addition, the regulation requires all vessel operators seeking to enter any of the zones during the enforcement period to first obtain permission. You will be able to identify participating vessels as those flying the Coast Guard Ensign. The Captain of the Port may also be assisted in the enforcement of the zone by other federal, state, or local agencies. The Captain of the Port will issue a general permission to enter the safety zones if the training exercise is completed before 1700 on 23 Aug 2019. You may seek permission by contacting the on-scene patrol commander on VHF channel 13 or, or the Sector Puget Sound Joint Harbor Operations Center at (206) 217-6001.
Charts: 18440 18441 18458 18476 18477  LNM: 30/19

WASHINGTON – PUGET SOUND – NORTHERN PART – HOOD CANAL – Naval operations
The US Navy will be conducting operations in the Hood Canal Naval Operating Area between Hood Canal Light 10 (LLNR 17820) and Hazel Point LT (LLNR 17800) in the vicinity of 47-43-30N, 122-45-30W from 19 Jul to 31 Aug 2019. Operations will be conducted Monday through Friday during daylight hours, and will involve semi-submersible and submersible vessels escorted by small naval craft with flashing red lights. The small craft will monitor VHF-FM channels 16 and 12, and can be hailed with the name “Range Control”. All craft transiting the area are requested to exercise caution and maintain a sharp lookout for possible semi-submerged vehicles or other floating objects. Additional information can be obtained by contacting the Pacific Northwest Range Management and Operations Division, Range Control Branch, Keyport, WA (360) 396-2313.
Chart 18446  LNM: 28/19

WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing
The Naval Undersea Warfare Center (NUWC) at Keyport, WA will be continuing operations in the vicinity of NUWC between the Brownsville Marina and Keyport through 20 Dec 19. Operations will be conducted Monday through Friday during daylight hours. Operations will involve semi-submersible and submersible vessels escorted by a small naval craft with a flashing red light. The small craft will monitor VHF-FM channels 12 and 16. The call sign for the small craft will be “Keyport Range Control”. All craft transiting the area are requested to exercise caution and maintain a sharp lookout for possible semi-submerged vehicles while the range is in operation. Questions can be directed to Keyport Range Control on VHF-FM channels 12 and 16 or by contacting the Pacific Northwest Range Management and Ops Division, Range Control Branch, at (360) 396-2313.
Chart 18446  LNM: 06/19

WASHINGTON – PUGET SOUND – APPLE COVE TO POINT KEYPORT – Temporary lighted buoy
NOAA deployed a temporary research lighted buoy on 26 Feb 2019 southwest of Spring Beach at approximate position 47-43-20.300N, 122-24-03.800W. The buoy is white and grey, octagonal shaped and marked with a flashing yellow four seconds (FLY 4s) light. This buoy is scheduled to be removed prior to 27 Sep 2019. For more information contact Nicholas Delich at (206) 552-6065 or email nicholas.delich@noaa.gov.
Chart 18446  LNM: 09/19

WASHINGTON - PUGET SOUND - APPROACHES TO EVERETT - Port of Everett's South Terminal Wharf Construction
Advanced American Construction (AAC) is conducting repair work operations under South Terminal Wharf at the Port of Everett in Port Gardner Bay until approximately January 2020. Operations will be conducted during day and nighttime hours to coincide with tidal changes, Monday through Saturday. There will be up two work skiffs, several working floats as well as a scaffolding system under the wharf. Work parties will answer hails as AAC on VHF-FM channels 63 and 64. All work will be conducted inside the wharf line. It is requested that vessels transiting the vicinity operate with minimum wake. For more information, contact Steve Hager at (425) 388-0633 or email steveh@portofeverett.com.
Charts: 18443 18444  LNM: 51/18

WASHINGTON – PUGET SOUND – ELLIOT BAY – Shoaling (Revised from LNM 18/19)
Significant shoaling has been reported in several locations in the Snohomish River both in and outside the federally maintained navigation channel causing actual depths to be less than advertised. Recently, a tug grounded inside the channel in approximate position, 48-00-28.86N, 122-13-29.52W. Mariners are advised to use extreme caution when transiting the river. The next planned dredging of the channel is in October 2019. The latest survey data from USACE is from Jan 2019 and was included as enclosure (4) of LNM 18/19. Additionally, a copy of the survey can be found on our website at can be found here https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/-notices/ Charts 18444  LNM: 19/19

WASHINGTON – SAN JUAN ISLANDS – HARO STRAIT – Acoustic Research near Salmon Bank off San Juan Island
SMRU Consulting will be conducting research for the San Juan County Marine Resources Committee off of Eagle Cove, San Juan Island, from 01 Aug 19 until 01 Oct 19. Two buoys, 2 feet in diameter, will be located in approximate position 48-27-00.216N 122-59-42.180W, one NM north of Salmon Bank. At some time in the future, the buoys will be relocated to another site on the south side of San Juan Island. The buoys will be monitoring underwater acoustic noise and will be in operation (unmanned) 24 hours a day. No VHF FM channels will be used. Mariners are requested to keep a safe distance from the buoys. For additional information, contact Jason Wood at (360) 298-0166 or jw@smrconsulting.com.
Chart 18434  LNM: 34/19

Coast Guard District 13
21 August 2019
## SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information.

<table>
<thead>
<tr>
<th>No.</th>
<th>Name and Location</th>
<th>Position</th>
<th>Characteristic</th>
<th>Height</th>
<th>Range</th>
<th>Structure</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>680</td>
<td>Tillamook Bay Approach Lighted Whistle Buoy T</td>
<td>45-35-35.360N 123-58-52.291W</td>
<td>Mo (A) W</td>
<td>4</td>
<td></td>
<td></td>
<td>No topmark will be shown on this aid as required by IALA standards due to weather.</td>
</tr>
<tr>
<td>690</td>
<td>Columbia River Approach Lighted Whistle Buoy CR</td>
<td>46-11-05.989N 124-11-01.291W</td>
<td>Mo (A) W</td>
<td>5</td>
<td></td>
<td></td>
<td>RACON: M (- - ) AIS: MMSI 99369023 (21). No topmark will be shown on this aid as required by IALA standards due to weather.</td>
</tr>
<tr>
<td>9607</td>
<td>Yaquina Bay South Jetty Sound Signal</td>
<td>44-36-35.514N 124-04-42.222W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>HORN 1 blast ev 15s (2s bl). Operates continuously Maintained from May 20 to Oct. 1.</td>
</tr>
<tr>
<td>9785</td>
<td>Depoe Bay Entrance Lighted Bell Buoy 2</td>
<td>44-48-28.559N 124-04-31.732W</td>
<td>Fl R 4s</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9810</td>
<td>Tillamook Bay Approach Lighted Whistle Buoy T</td>
<td>45-35-35.360N 123-58-52.291W</td>
<td>Mo (A) W</td>
<td>4</td>
<td></td>
<td></td>
<td>No topmark will be shown on this aid as required by IALA standards due to weather.</td>
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<tr>
<td>9815</td>
<td>Tillamook Bay Entrance Lighted Bell Buoy 1</td>
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<td></td>
<td></td>
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<td>Remove from list.</td>
</tr>
<tr>
<td>18815</td>
<td>Swinomish Channel South Entrance Daybeacon 13</td>
<td>48-22-02.051N 122-31-51.141W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SG on pile.</td>
</tr>
</tbody>
</table>

## ENCLOSEMENTS

**Enclosure 1**

OREGON - WASHINGTON - IDAHO - MONTANA - Summary of Bridge Lighting Discrepancies and Corrections  
LNM: 34/19

**Enclosure 2**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations  
LNM: 34/19
If you have any questions, comments, or need additional information concerning this or other LNMs (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

CDR Brendan J. Harris  
Chief, Waterways Management Branch  
Thirteenth Coast Guard District
# Bridge Discrepancies and Corrections

## 13th Coast Guard District

**As of: 08/21/2019**

### Bridge Discrepancies

<table>
<thead>
<tr>
<th>Waterway</th>
<th>Light List</th>
<th>Bridge Name</th>
<th>Location</th>
<th>Status</th>
<th>Date Reported</th>
<th>BNM</th>
</tr>
</thead>
<tbody>
<tr>
<td>OREGON COAST</td>
<td></td>
<td>Coos Bay Railroad Bridge</td>
<td>North Bend, OR</td>
<td>Main Lights Extinguished, Temporary Red lights installed</td>
<td>4/30/2018</td>
<td>0369-18</td>
</tr>
<tr>
<td></td>
<td>8990</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>9558</td>
<td>Florence Highway 101 Bridge</td>
<td>Florence, OR</td>
<td>Clearance Gauge missing</td>
<td>6/25/2019</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>9627</td>
<td>Yaquina Bay Highway 101 Bridge</td>
<td>Newport, OR</td>
<td>Clearance Gauge missing</td>
<td>6/17/2019</td>
<td>0433-19</td>
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<tr>
<td>COLUMBIA RIVER</td>
<td>None</td>
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<tr>
<td>SNAKE RIVER</td>
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<td>WILLAMETTE RIVER</td>
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<td></td>
<td></td>
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<tr>
<td>IDAHO</td>
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### Bridge Corrections

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<thead>
<tr>
<th>Waterway</th>
<th>Light List</th>
<th>Bridge Name</th>
<th>Location</th>
<th>Status</th>
<th>Date Reported</th>
<th>BNM</th>
</tr>
</thead>
<tbody>
<tr>
<td>OREGON COAST</td>
<td></td>
<td>SR 197 Highway Bridge</td>
<td>The Dalles, OR</td>
<td>Downbound, center span green light extinguished</td>
<td>8/18/2019</td>
<td>0617-19</td>
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<td>8/17/2019</td>
<td>0609-19</td>
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<td>COLUMBIA RIVER</td>
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<td>WILLAMETTE RIVER</td>
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<td>WASHINGTON COAST</td>
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<td>PUGET SOUND</td>
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### OREGON - COLUMBIA RIVER - WASHINGTON DREDGING OPERATIONS

Dredging operations are scheduled or in progress at the following locations:

<table>
<thead>
<tr>
<th>Start Date</th>
<th>End Date</th>
<th>Times</th>
<th>Location</th>
<th>Dredge Vessel</th>
<th>Assist Vessel</th>
<th>Channels Monitored</th>
<th>Disposal Area</th>
<th>LNM</th>
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<tbody>
<tr>
<td>11-Aug-19</td>
<td>26-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Coos Bay; Bar and Entrance; (RM 0-30 to 0+45)</td>
<td>M/V Essayons</td>
<td>None</td>
<td>VHF-FM 13 &amp;16</td>
<td>Site F</td>
<td>34/19</td>
</tr>
<tr>
<td>18-Aug-19</td>
<td>21-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Coos Bay; Jarvis Ranges; RM 5+35 to 8+40</td>
<td>M/V Yaquina</td>
<td>None</td>
<td>VHF-FM 13 &amp;16</td>
<td>Site F</td>
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<tr>
<td>18-Aug-19</td>
<td>21-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Coos Bay; North Bend Turn; RM 09+05 to 10+00</td>
<td>M/V Yaquina</td>
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<td>VHF-FM 13 &amp;16</td>
<td>Site F</td>
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<tr>
<td>22-Aug-19</td>
<td>31-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Yaquina Bay; Bar and Entrance (RM 0-50 to 0+20)</td>
<td>M/V Yaquina</td>
<td>None</td>
<td>VHF-FM 13 &amp;16</td>
<td>ODMDS</td>
<td>34/19</td>
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<tr>
<td>15-Aug-19</td>
<td>30-Sep-19</td>
<td>Daylight on eb current</td>
<td>Tillamook Bay; IVO Garibaldi Channel and Marina</td>
<td>M/V Shark</td>
<td>M/V Little Pushy</td>
<td>VHF-FM 13,16 &amp; 69</td>
<td>TBD</td>
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<td>19-Aug-19</td>
<td>3-Nov-19</td>
<td>24 Hrs/7 Days</td>
<td>Columbia River; Entrance (RM 00+40 to 02+30)</td>
<td>M/V Bayport</td>
<td>M/V John M</td>
<td>VHF-FM 13,16 &amp; 66</td>
<td>Multiple</td>
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<td>27-Aug-19</td>
<td>4-Sep-19</td>
<td>24 Hrs/7 Days</td>
<td>Columbia River; Work Areas TBD</td>
<td>M/V Essayons</td>
<td>None</td>
<td>VHF-FM 13 &amp;16</td>
<td>Various</td>
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<td>16-Aug-19</td>
<td>15-Sep-19</td>
<td>24 Hrs/7 Days</td>
<td>Columbia River; Baker Bay M/V Heidi Renee M/V James T</td>
<td>VHF-FM 16 &amp;72</td>
<td>O-3.2-IW W-10.4-IW</td>
<td>34/19</td>
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<tr>
<td>15-Aug-19</td>
<td>24-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Columbia River; Harrington Point (RM 21+25 to 21+45)</td>
<td>M/V Oregon</td>
<td>M/V Clackamas, M/V Ivanhoff and M/V Williams</td>
<td>VHF-FM 13 &amp;16</td>
<td>TBD</td>
<td>33/19</td>
</tr>
<tr>
<td>14-Aug-19</td>
<td>24-Aug-19</td>
<td>24 Hrs/7 Days</td>
<td>Columbia River; Miller Sands &amp; Pillar Rock (RM 24+20 to 25+35)</td>
<td>M/V Bayport</td>
<td>M/V John M</td>
<td>VHF-FM 13,16 &amp; 66</td>
<td>Multiple</td>
<td>33/19</td>
</tr>
<tr>
<td>19-Aug-19</td>
<td>24-Aug-19</td>
<td>0700-1700 Mon-Fri</td>
<td>Downstream Oregon Slough (RM 00+11 to 00+22)</td>
<td>M/V Sea Horse</td>
<td>M/V Husky</td>
<td>VHF-FM 13,16 &amp; 67</td>
<td>TBD</td>
<td>34/19</td>
</tr>
<tr>
<td>29-Jul-19</td>
<td>31-Oct-19</td>
<td>0600-1800 Mon-Fri</td>
<td>Willamette River; Seaport Terminal (RM 4.95)</td>
<td>M/V Sonja H</td>
<td>M/V Tug Behind</td>
<td>VHF-FM 13 &amp;16</td>
<td>TBD</td>
<td>30/19</td>
</tr>
<tr>
<td>3-Sep-19</td>
<td>30-Sep-19</td>
<td>24 Hrs/5-7 days</td>
<td>Grays Harbor; Inner Harbor M/V Sea Horse M/V Rachele</td>
<td>VHF-FM 13,16 &amp; 67</td>
<td>Pt Chehalis or S Jetty</td>
<td>34/19</td>
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<tr>
<td>6-Sep-19</td>
<td>15-Feb-20</td>
<td>0600-1700 Mon-Fri</td>
<td>Swinomish Channel; La Conner Marina Basins Barge Flexi, M/V Judge</td>
<td>M/V Sonja H</td>
<td>VHF-FM 18 &amp;19</td>
<td>Rosario Strait</td>
<td>30/19</td>
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</table>

Mariners are advised that the start and ending dates for dredging activities may vary due to unforeseen on-site conditions, such as gill net fishing, weather and other factors.

USACE dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed with caution after passing arrangements have been made. Vessel(s) and/or equipment may encroach into the channel.
### SECTOR COLUMBIA RIVER MARINE EVENTS

<table>
<thead>
<tr>
<th>EVENT DATE</th>
<th>TIME</th>
<th>EVENT NAME</th>
<th>EVENT LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-Aug-19</td>
<td>0900-1600</td>
<td>Thunder on the Snake</td>
<td>Snake River IVO Hells Gate State Park, Lewiston, ID</td>
</tr>
<tr>
<td>1-Sep-19</td>
<td>0900-1200</td>
<td>9th Annual Rose City SUP Classic</td>
<td>Willamette River IVO Portland, OR</td>
</tr>
<tr>
<td>2-Sep-19</td>
<td>0530-1200</td>
<td>Roy Webster Cross Channel Swim</td>
<td>Stevenson, WA to Cascade Locks, OR</td>
</tr>
<tr>
<td>7-Sep-19</td>
<td>0900-1030</td>
<td>Columbia Crossing Swim</td>
<td>Pasco, WA, Columbia River miles 332-335</td>
</tr>
<tr>
<td>7-Sep-19</td>
<td>0800-1800</td>
<td>2019 Portland Dragon Boat Race</td>
<td>Portland, OR, between Marquam and Hawthorne Brigdes</td>
</tr>
<tr>
<td>8-Sep-19</td>
<td>0800-1800</td>
<td>2019 Portland Dragon Boat Race</td>
<td>Portland, OR, between Marquam and Hawthorne Brigdes</td>
</tr>
<tr>
<td>29-Sep-19</td>
<td>0800-1200</td>
<td>Head of the Dog Rowing Regatta</td>
<td>Willamette River IVO Portland, OR</td>
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### SECTOR PUGET SOUND MARINE EVENTS

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<th>EVENT DATE</th>
<th>TIME</th>
<th>EVENT NAME</th>
<th>EVENT LOCATION</th>
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<tbody>
<tr>
<td>21-Aug-19</td>
<td>1830-2200</td>
<td>CYCT Windseekers Late Summer Series</td>
<td>Commencement Bay</td>
</tr>
<tr>
<td>21-Aug-19</td>
<td>1700-2100</td>
<td>Wednesday Evening Series</td>
<td>Shilshole Bay and Central Puget Sound</td>
</tr>
<tr>
<td>21-Aug-19</td>
<td>1700-2100</td>
<td>Lake Washington Wednesday Series</td>
<td>Lake Washington</td>
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<tr>
<td>21-Aug-19</td>
<td>1800-2000</td>
<td>Wednesday Night Racing Series</td>
<td>Port Townsend Bay</td>
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<tr>
<td>22-Aug-19</td>
<td>1700-2100</td>
<td>Thursday Evening Series</td>
<td>Shilshole Bay and Central Puget Sound</td>
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<tr>
<td>22-Aug-19</td>
<td>1700-1930</td>
<td>SBYC Duck Dodge Thursday Night Racing Series</td>
<td>Sequim Bay</td>
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<tr>
<td>24-Aug-19</td>
<td>1030-2000</td>
<td>Single Handed Regatta</td>
<td>Puget Sound</td>
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<tr>
<td>24-Aug-19</td>
<td>1100-1900</td>
<td>Northwest Jr. Olympics Sailing Regatta</td>
<td>Shilshole Bay</td>
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<tr>
<td>24-Aug-19</td>
<td>0900-1900</td>
<td>Hydros for Heros</td>
<td>Oak Harbor</td>
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<tr>
<td>24-Aug-19</td>
<td>1100-1800</td>
<td>SBYC Saturday Series</td>
<td>Waters south of Dungeneness Spit to McCurdy Point</td>
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<tr>
<td>24-Aug-19</td>
<td>0930-1300</td>
<td>Sound Rowers &quot;The Great Cross-Sound Race&quot;</td>
<td>Alki Beach</td>
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<td>24-Aug-19</td>
<td>2130-2200</td>
<td>Higgins Wedding Fireworks</td>
<td>Lake Washington</td>
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<td>25-Aug-19</td>
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<td>26-Aug-19</td>
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<td>Ballard Cup Series</td>
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<td>Lake Washington Tuesday Series</td>
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<td>27-Aug-19</td>
<td>1800-2200</td>
<td>Duck Dodge</td>
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<td>Wednesday Evening Series</td>
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<td>1800-2000</td>
<td>Wednesday Night Racing Series</td>
<td>Port Townsend Bay</td>
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<td>29-Aug-19</td>
<td>1700-2100</td>
<td>Thursday Evening Series</td>
<td>Shilshole Bay and Central Puget Sound</td>
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<td>29-Aug-19</td>
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<td>1-Sep-19</td>
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<td>Olympic Harbor Days Tugboat Races</td>
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<td>0800-1300</td>
<td>Northwest Open Water Amanda Winsans Swim</td>
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<td>1800-2000</td>
<td>Fall 6 Pack Series</td>
<td>Port Orchard Bay</td>
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<td>7-Sep-19</td>
<td>1100-1800</td>
<td>Milltown Sailing Association Amateur Sailboat Race</td>
<td>Possession Sound</td>
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<td>Date</td>
<td>Time</td>
<td>Event Description</td>
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<td>1000-1400</td>
<td>Double Handed Race</td>
<td>Sinclair Inlet</td>
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<td>1100-2000</td>
<td>Snooze and Cruise C &amp; D</td>
<td>Shilshole Bay to Port Madison</td>
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<td>7-Sep-19</td>
<td>1100-1800</td>
<td>SBYC Saturday Series</td>
<td>Waters south of Dungeness Spit to McCurdy Point</td>
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<td>7-Sep-19</td>
<td>1800-2000</td>
<td>Downtown Sailing Series</td>
<td>Elliott Bay</td>
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<td>7-Sep-19</td>
<td>0930-1500</td>
<td>Sound Rowers The Bainbridge Marathon</td>
<td>Bainbridge Island, Agate Passage, Rich Passage</td>
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<td>7-Sep-19</td>
<td>2030-2100</td>
<td>Mukilteo Lighthouse Festival</td>
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<td>Swim Across Seattle</td>
<td>Mercer Island</td>
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<td>1100-2000</td>
<td>Snooze and Cruise C &amp; D</td>
<td>Port Madison to Shilshole Bay</td>
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<td>1700-2030</td>
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<td>Wednesday Evening Series</td>
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<td>Thursday Evening Series</td>
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<td>1700-1930</td>
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<td>1800-2000</td>
<td>Fall 6 Pack Series</td>
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<td>14-Sep-19</td>
<td>1100-1600</td>
<td>Milltown Sailing Association Amateur Sailboat Race</td>
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<td>14-Sep-19</td>
<td>1030-2000</td>
<td>Jack and Jill</td>
<td>Shilshole Bay</td>
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<td>14-Sep-19</td>
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<td>0930-1500</td>
<td>Sound Rowers The Bainbridge Marathon</td>
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<td>Sound Rowers Budd Inlet Race</td>
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<td>CYCT Point Series</td>
<td>East Passage &amp; Commencement Bay</td>
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<td>1100-1800</td>
<td>SBYC Saturday Series</td>
<td>Waters south of Dungeness Spit to McCurdy Point</td>
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<td>21-Sep-19</td>
<td>1200-1700</td>
<td>Northwest Harvest Benefit Race</td>
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<td>21-Sep-19</td>
<td>1200-1600</td>
<td>Stimson Predicted Log Race</td>
<td>Port Madison</td>
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<td>21-Sep-19</td>
<td>1000-1700</td>
<td>Bremerton Yacht Club Calvert Cup</td>
<td>Dyes Inlet near Silverdale, WA</td>
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<td>1800-2000</td>
<td>Fall 6 Pack Series</td>
<td>Port Orchard Bay</td>
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<td>Double Dipper Race</td>
<td>Port Ludlow to Shilshole Bay</td>
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<td>1100-1600</td>
<td>Milltown Sailing Association Amateur Sailboat Race</td>
<td>Possession Sound</td>
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<td>1100-1800</td>
<td>SBYC Saturday Series</td>
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<td>1100-1700</td>
<td>2019 Reach for Hospice Regatta</td>
<td>Sequim Bay</td>
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<td>28-Sep-19</td>
<td>0730-1630</td>
<td>PCSS Tequila Race</td>
<td>Puget Sound, Meadows Point to Foul Weather Bluff</td>
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<tr>
<td>28-Sep-19</td>
<td>1000-1300</td>
<td>Sound Rowers Guano Race</td>
<td>Columbia River, Lincoln Rock St. Park, Wenatchee</td>
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<tr>
<td>29-Sep-19</td>
<td>0630-1200</td>
<td>Row For Hospice</td>
<td>Sequim Bay</td>
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<td>29-Sep-19</td>
<td>1400-1600</td>
<td>Makah Coast Race</td>
<td>Makah Bay</td>
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