



DEST - Destroyed  
DISCON - Discontinued  
DMGD/DAMGD - Damaged  
ec - eclipse  
EST - Established Aid  
ev - every  
EVAL - Evaluation  
EXT - Extinguished  
F - Fixed  
fl - flash  
FI - Flashing  
G - Green  
GIWW - Gulf Intracoastal Waterway  
HAZ - Hazard to Navigation  
HBR - Harbor  
HOR - Horizontal Clearance  
HT - Height

LWB - Lighted Whistle Buoy  
LWP - Left Watching Properly  
MHz - Megahertz  
MISS/MSNG - Missing  
Mo - Morse Code  
MRASS - Marine Radio Activated Sound Signal  
MSLD - Misleading  
N/C - Not Charted  
NGA - National Geospatial-Intelligence Agency  
NO/NUM - Number  
NOS - National Ocean Service  
NW - Notice Writer  
OBSCU - Obscured  
OBST - Obstruction  
OBSTR - Obstruction  
Oc - Occulting  
ODAS - Anchored Oceanographic Data Buoy

SHL - Shoaling  
si - silent  
SIG - Signal  
SND - Sound  
SPM - Single Point Mooring Buoy  
SS - Sound Signal  
STA - Station  
STRUCT - Structure  
St M - Statute Mile  
TEMP - Temporary Aid Change  
TMK - Topmark  
TRLB - Temporarily Replaced by Lighted Buoy  
TRLT - Temporarily Replaced by Light  
TRUB - Temporarily Replaced by Unlighted Buoy  
USACE - Army Corps of Engineers  
W - White  
Y - Yellow

**Additional Abbreviations Specific to this LNM Edition:**

AtoN - Aids to Navigation  
COTP - Captain of the Port  
CPA - Closest Point of Approach  
LLNR - Light List Number

NAVCEN - U.S. Coast Guard Navigation Center  
NM - Nautical Miles  
ODOT - Oregon Department of Transportation  
RM - River Mile Marker

S-AIS - Synthetic AIS  
V-AIS - Virtual AIS  
VTS - Vessel Traffic Service  
WSDOT - Washington State Department of Transportation

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**SECTION I - SPECIAL NOTICES**

This section contains information of special concern to the Mariner.

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**COLUMBIA RIVER – BONNEVILLE TO THE DALLES – DRANO LAKE – Dive operations**

Advanced American Construction will be performing dive operations on the old BNSF Railway bridge 66.4 piers located at the entrance of Drano Lake, near RM 161.5. Work is anticipated to occur 25 Jan – 16 Feb 2024, Monday – Friday during daylight hours. The vessel “AAC Dive Boat” will be on station and monitoring VHF-FM channel 16 during work hours. During dive operations the Diver Down and Alpha flag will be displayed. For more information, please contact Scott Miller at (503) 568-4313.

Chart 18532

LNM: 04/24

**OREGON – WILLAMETTE RIVER – Bridge construction (Revised from LNM 48/23)**

ODOT and the Hamilton Construction Company will conduct the complete demolition and reconstruction of the Van Buren Bridge (Oregon Highway 34), across the Willamette River at river mile 131.7 in Corvallis, OR, between Jun 2023 and Dec 2026. Construction activity will take place across the entire river at the bridge location. Construction activities will take place primarily from the hours of 0700 to 1800, Monday through Saturday. Bridge construction work will include geotechnical drilling, removal and replacement of the existing bridge, the installation of a temporary work bridge spanning the river just upstream of the existing bridge, and the installation a temporary diversion bridge just downstream of the existing bridge spanning the river and carrying vehicular traffic.

Jan 2024 update:

Due to river levels and the abundance of debris in the water, there is a high probability of debris building up on the bridge pilings and structure. Mariners are advised that boating conditions in the vicinity of the bridge are very dangerous during high water levels and there may not be a safe passage under the bridge due to the presence of logjams. Additionally, the buoys that mark the temporary navigation channel described below have been removed for the remainder of the winter and spring due to high water / strong water flow. The buoys will be reset once the conditions allow, approximately in May or early June.

A temporary navigable channel for mariners will be maintained with reduced horizontal and vertical clearances for the duration of the project. The temporary channel will provide an horizontal clearance of at least 40 feet and vertical clearance of at least 17.4 feet from the ordinary high-water elevation (OHW). A temporary river clearance gauge will be mounted to the bridge adjacent to the navigable channel at the upstream side of the temporary work bridge and at the downstream side of the diversion bridge. The river clearance gauge will be white with black letters and will show the actual vertical clearance between the water line and overhead obstructions above the navigable channel. Buoy lines, lighting, and signage will direct mariners through the temporary navigable channel and away from “no-entry” construction areas. The temporary navigable channel will be marked with a floating buoy line consisting of orange floating buoys fitted with white colored reflective tape and white flashing lights (FI W 4s) mounted at 100-foot intervals along the buoy line. Flashing yellow lights (FI Y 4s) will be installed on both the temporary diversion bridge and the temporary work bridge trestle at 100-foot intervals along the outside edge of each structure with one centered over the navigable channel at the upstream edge of the temporary work bridge and the downstream edge of the diversion bridge. Red (FI R 4s) and green (FI G 4s) lights will be mounted on the upstream edge of the temporary work bridge and the downstream edge of the diversion bridge, marking the reduced navigable channel limits. Informational signs (white with black lettering) will be mounted on the upstream side of the temporary work bridge and the downstream side of the temporary diversion bridge. Mariners are advised to use caution while transiting the area.

A diagram of the placement of warning signs and buoys was included as enclosure (4) of LNM 22/23. For more information contact Markus Schaaf, at (541) 757-4280 or email markus.schaaf@odot.oregon.gov.

LNM: 04/24

**OREGON – WASHINGTON – IDAHO – 2024 Light List now available**

2024 Light Lists are now available on the USCG Navigation Center's website. For District Thirteen's Light List, follow this link: [https://www.navcen.uscg.gov/sites/default/files/pdf/lightLists/LightList\\_V6\\_2024.pdf](https://www.navcen.uscg.gov/sites/default/files/pdf/lightLists/LightList_V6_2024.pdf). Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. Local Notice to Mariners continue to advise Light List corrections and NAVCEN will continue to publish a compilation of corrections. Complete versions of the 2024 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: <https://www.navcen.uscg.gov/weekly-light-lists>. A summary of 2024 Light List corrections are available at: <https://www.navcen.uscg.gov/light-list-summary-of-corrections>. Guidance for use of electronic navigation publications onboard U.S. vessels can be found at: [http://www.uscg.mil/hq/cgvc/cvc/policy/policy\\_letters/543/CG-543\\_pol10-05.pdf](http://www.uscg.mil/hq/cgvc/cvc/policy/policy_letters/543/CG-543_pol10-05.pdf). If you have questions regarding this message, please contact the Navigation Center with this link: <https://www.navcen.uscg.gov/contact/contact-us> and use "LNMs, Charts, Chart Corrections, or Light Lists" as the subject from the pull down menu.

LNM: 03/24

**WASHINGTON – PUGET SOUND – SEATTLE TO BREMERSON – DUWAMISH WATERWAY – Spokane Street Bridge deviation**

The Coast Guard has approved a temporary deviation for the Spokane Street Bridge (LLNR 16870.1) across the Duwamish Waterway, mile 0.3, in Seattle, WA, from 02 – 04 Mar 2024. This deviation will facilitate span mechanical part replacement. This deviation allows the east span to be closed to mariners from 0100 on 02 Mar 2024 until 0500 on 04 Mar 2024. Only the west span will open to mariners with a one-hour notice. The subject bridge provides 55 feet center span and 44 feet side spans of vertical clearance in the closed-to-navigation position above high water; the horizontal clearance is 110 feet with the east span in the closed-to-navigation position. Vessels able to pass through the subject bridge in the closed-to-navigation position may do so at any time. No alternate route is available on the Duwamish Waterway. For more information on this event contact Kit Loo at [Kit.Loo@seattle.gov](mailto:Kit.Loo@seattle.gov) or (206) 684-3669.

Chart 18450

LNM: 03/24

**OREGON – UMPQUA RIVER – REEDSPORT – Umpqua River Railroad Bridge deviation**

The Coast Guard has approved a temporary deviation for the Umpqua River Railroad Bridge (LLNR 9369), which spans the Umpqua River at mile 11.5. This deviation will allow the Coos Bay Rail Line to complete rail replacements. The subject bridge will need to be placed in the closed-to-navigation position on every Friday at 0700 through Saturday at 1700 beginning on 19 Jan through 13 Jul 2024. The subject bridge provides 16 feet of vertical clearance in the closed-to-navigation position above high water. Vessels able to pass through the subject bridge in the closed-to-navigation position may do so at any time. No alternate route is available on this part of the Umpqua River for tall vessels. For more information on this bridge deviation contact Brian Early at (541) 266-3718 or [bearly@coosbayrailline.com](mailto:bearly@coosbayrailline.com).

Chart 18584

LNM: 02/24

**WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Locks Center Miter Gates replacement project (Revised from LNM 49/23)**

The Large Lock chamber at the the Hiram M. Chittenden Locks is currently closed to all maritime traffic until 14 Feb 2024 as part of USACE's planned maintenance project to replace the center miter gates. While the Large Lock chamber is in service, please note that the center miter gates have been removed, and a temporary marine fender has been installed in the recess where the gates were previously. Mariners are reminded to exercise extreme caution while entering and exiting the large lock chamber, because the center gate recess and the surrounding (demolition) area around the center gate will be fully exposed. Please operate your vessel at a slow speed – 2 ½ knots or lower – and follow the guidance and instructions of the Tower and lock operators.

This major project will require several 30-day closures to facilitate demolition, concrete construction, and installation and commissioning of the new miter gates, respectively. There will be at least 15 days between closures to accommodate marine traffic. Additionally, the Small Lock will remain open during these periods and can pass vessels up to 123 feet long and 28 feet wide.

Currently, the large locks are scheduled to be closed to all vessel traffic during the following periods,

Closure 1: 16 Oct 2023 to 14 Nov 2023 - COMPLETED

Closure 2: 30 Nov 2023 to 29 Dec 2023 - COMPLETED

Closure 3: 14 Jan 2024 to 12 Feb 2024 - ONGOING

Small Lock will be closed to all traffic on 14 Feb 24 from 0600 - 1400.

Closure 4: 15 Oct 2024 to 13 Nov 2024

Closure 5: 29 Nov 2024 to 28 Dec 2024

The large lock is expected to be fully operational on 29 Dec 2024. For current information about activities at the Locks, visit the Locks' website at <https://www.nws.usace.army.mil/Missions/Civil-Works/Locks-and-Dams/Chittenden-Locks/Closures/>, like them on Facebook [www.facebook.com/chittendenlocks](https://www.facebook.com/chittendenlocks); follow them on Twitter <http://twitter.com/ChittendenLocks>. For specific questions, mariners may contact the lockmasters at (206) 297-9821.

Chart 18447

LNM: 02/24

**COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Hood River Bridge notice**

The lift span of the Hood River Highway Bridge (LLNR 11933) at Columbia River mile 169.8 can only open for emergencies until further notice. Mariners needing a lift should contact the bridge at least 8 hours in advance to allow for additional personnel to arrive. The initial estimate is for the bridge to be operational by the end of January. The Hood River Highway Bridge provides 67 feet of vertical clearance with the lift span in the closed (down) position. Vessels able to safely pass under the bridge without a lift may do so at any time. For more information contact the Port of Hood River, Ryan Klapprich, at (541) 399-6136 or email [rlapprich@portofhoodriver.com](mailto:rlapprich@portofhoodriver.com).

Chart 18532

LNM: 01/24

**WASHINGTON – STRAIT OF JUAN DE FUCA ENTRANCE TO ADMIRALTY INLET – Oceanographic buoy towing and testing**

Foss Maritime Co. will conduct a special operations towing of a self-powered oceanographic buoy for testing from 9 Jan – 04 Feb 2024. The tug

Lindsey Foss will be towing the buoy from the vicinity of Protection Island and head westward into the Strait of Juan De Fuca. The operations are planned to continue offshore past Cape Flattery and south toward Cape Alava, if weather and time allows. The towing operation will proceed at a slow speed with the buoy approximately 400ft – 800ft. astern of the Lindsey Foss during the operation. The buoy is white in color, displaying a black diamond day shape and an all-around white navigation light on top of the dome. The buoy has a draft of approximately 200 ft. during testing operations. Due to the buoy's deep draft, the tug and tow may be limited in maneuvering options in some areas. The operation will avoid the TSS lanes whenever possible to keep clear of other vessels transiting the area and may utilize the Separation Zone to keep clear of other vessels. The Lindsey Foss will monitor VHF FM Channels 05, 13, and 16. Mariners are requested to keep a safe distance when in the vicinity and contact the "Lindsey Foss" on channel 13 for passing arrangements or other general concerns. For any additional questions or concerns regarding these operations, contact Foss Maritime at (206) 281-3810.

Charts: 18460 18465

LNM: 01/24

## 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)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
595	Cape Blanco Light	LT EXT	18580	0907-23	52/23	
645	Yaquina Bay Approach Lighted Whistle Buoy Y	LT EXT	18581	0916-23	01/24	
689	NOAA Environmental Lighted Buoy 46089	MISSING	18003	0854-23	49/23	
765.1	NOAA Environmental Lighted Buoy 46002	ADRIFT	18007	0668-23	39/23	
765.2	DART Tsunami Warning Lighted Buoy 46407	MISSING	18007	0777-23	45/23	
9250	Umpqua River Regulated Navigation Area Warning Sign	LT EXT	18584	0047-24	03/24	
9346	Leeds Island Range Front Light	LT EXT	18584	0851-23	49/23	
9575	Yaquina Bay Approach Lighted Whistle Buoy Y	LT EXT	18581	0916-23	01/24	
9817	Tillamook Bay Entrance Lighted Buoy 2	MISSING	18558	0040-24	03/24	
10145	Astoria Rock Buoy	MISSING	18521	0831-23	48/23	
10200	Miller Sands Range Rear Light	DAYMK IMCH	18523	0592-23	35/23	
10215	Miller Sands Dike Light 5	DAYMK IMCH	18521	0022-22	02/22	
10475	Westport Dike Light 58	LT EXT/STRUCT DMGD	18523	0190-22	09/22	
11455	Camas Slough Range Front Light	LT EXT/STRUCT DMGD	18531	0769-22	42/22	
11645	Prindle Dike Light 73	STRUCT DEST	18531	0045-24	03/24	
11705	Multnomah Falls Upper Range Rear Light	REDUCED INT	18531	0583-23	34/23	
<b>11768</b>	<b>Bonneville Pool Lighted Buoy 4</b>	<b>LT EXT</b>	<b>18531</b>	<b>0062-24</b>	<b>04/24</b>	
<b>11820</b>	<b>Bonneville Pool Light 14</b>	<b>LT EXT</b>	<b>18532</b>	<b>0064-24</b>	<b>04/24</b>	
12230	Lake Celilo Daybeacon 27	STRUCT DMGD	18533	0125-23	05/23	
14420	Baker Bay West Channel Entrance Jetty Light 2	LT IMCH/STRUCT DMGD	18521	0633-21	38/21	
15635	Grays Harbor South Reach Light 16	DAYMK MISSING/STRUCT DMGD	18502	0330-23	19/23	
15940	Damon Point Light	DAYMK MISSING/STRUCT DMGD	18502	0587-23	35/23	
16335	New Dungeness Light	LT EXT	18471	0041-24	03/24	
16362	Hein Bank Lighted Buoy 1	LT EXT	18421	0042-24	03/24	
<b>16410</b>	<b>Sequim Bay Entrance Light 2</b>	<b>LT EXT</b>	<b>18471</b>	<b>0061-24</b>	<b>04/24</b>	
17595	Kilisut Harbor Buoy 2	MISSING	18464	0126-23	05/23	
<b>18460</b>	<b>Mukilteo Light</b>	<b>SS INOP</b>	<b>18443</b>	<b>0065-24</b>	<b>04/24</b>	
19290	Inati Bay Reef Buoy	MISSING	18424	0573-23	34/23	
19325	Davidson Rock Light 1	DAYMK MISSING	18421	0277-23	16/23	

19480	Cypress Reef Junction Daybeacon C	DAYMK MISSING	18424	0512-22	29/22
19550	Twin Rocks Daybeacon	STRUCT DMGD	18421	0037-24	03/24

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10270	Pillar Rock Light 17	RELIGHTED	18523	0055-24	03/24	04/24
11005	Deer Island Upper Dike Light 72	RELIGHTED	18524	0060-24	03/24	04/24
15540	Grays Harbor Bar Range Front Light	RELIGHTED	18502	None	04/24	04/24

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
710	Scripps Institute Wave Recorder Lighted Buoy 46248/179	MISSING	18500	0883-23	50/23	
9380	Gardiner Paper Mill Dock Light	LT IMCH	18584	0787-23	46/23	
11247	Hayden Island Water Monitoring Lighted Buoy A	MISSING	18526	0413-21	25/21	
<b>16845</b>	<b>Smith Cove Lighted Buoy 3</b>	<b>LT EXT</b>	<b>18450</b>	<b>0057-24</b>	<b>04/24</b>	
17126	Tacoma Harbor Regulatory Buoys (3)	MISSING	18453	0613-22	34/22	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
19605	Friday Harbor Pier Lights (2)	WATCHING PROPERLY	18421	0052-24	51/23	04/24

**PLATFORM DISCREPANCIES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**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**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
612	OSU Cape Arago Research Lighted Buoy	DISCONTINUED	18580	0630-23	37/23	
17535	Point Hudson Marina Light	DISCONTINUED	18464	0660-23	39/23	

**TEMPORARY CHANGES CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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 Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR					CGD01	
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3				at 40-41-09.001N	074-02-48.001W
Corrective Action	Green can	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.

**18421**      **53rd Ed.**      **01-MAR-19**      **Last LNM: 04/19**      **NAD 83**      **04/24**

Chart Title: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor

Main Panel 1657 STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA --. Page/Side: -

LAST EDITION      No new editions of chart 18421 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.      NOS      --

**18424**      **28th Ed.**      **01-FEB-11**      **Last LNM: 39/17**      **NAD 83**      **04/24**

Chart Title: Bellingham Bay; Bellingham Harbor

Main Panel 1677 BELLINGHAM BAY. Page/Side: N/A

LAST EDITION      No new editions of chart 18424 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.      NOS      --

**18427**      **25th Ed.**      **01-OCT-19**      **Last LNM: 04/19**      **NAD 83**      **04/24**

Chart Title: Anacortes to Skagit Bay

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

LAST EDITION      No new editions of chart 18427 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.      NOS      --

**18428**      **10th Ed.**      **01-OCT-10**      **Last LNM: 38/16**      **NAD 83**      **04/24**

Chart Title: Oak and Crescent Harbors

Main Panel 1681 OAK AND CRESCENT HARBORS. Page/Side: N/A

LAST EDITION      No new editions of chart 18428 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.      NOS      --

**18431**      **9th Ed.**      **01-MAY-14**      **Last LNM: 47/16**      **NAD 83**      **04/24**

Chart Title: Rosario Strait to Cherry Point

Main Panel 1684 ROSARIO STRAIT TO CHERRY POINT. Page/Side: N/A

LAST EDITION      No new editions of chart 18431 will be published. It will be canceled on      NOS      --

05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.

**18440**                      **31st Ed.**                      **01-APR-17**                      **Last LNM: 42/19**                      **NAD 83**                      **04/24**

*ChartTitle: Puget Sound*

**Main Panel 1688 PUGET SOUND - -. Page/Side: -**

DELETE	Quilcene Bay Fish Pen Lights (2) and symbol for fish pen	CGD13 47-47-10.570N	122-51-11.240W
DELETE	Quilcene Bay Mussel Raft Light A	CGD13 47-47-14.000N	122-51-07.700W
DELETE	Quilcene Bay Mussel Raft Light B	CGD13 47-47-22.000N	122-51-06.100W
DELETE	Quilcene Bay Mussel Raft Light C	CGD13 47-47-29.600N	122-51-05.500W
DELETE	Quilcene Bay Mussel Raft Light D	CGD13 47-47-14.300N	122-51-11.100W
DELETE	Quilcene Bay Mussel Raft Light E	CGD13 47-47-21.900N	122-51-08.900W
DELETE	Quilcene Bay Mussel Raft Light F	CGD13 47-47-29.400N	122-51-07.900W
DELETE	Symbol for fish pen	CGD13 47-47-18.000N	122-51-08.000W
DELETE	Symbol for fish pen	CGD13 47-47-27.000N	122-51-06.000W

LAST EDITION No new editions of chart 18440 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.

**18441**                      **49th Ed.**                      **01-APR-20**                      **Last LNM: 48/17**                      **NAD 83**                      **04/24**

*ChartTitle: Puget Sound-northern part*

**Main Panel 1689 PUGET SOUND - NORTHERN PART - -. Page/Side: -**

DELETE	Quilcene Bay Fish Pen Lights (2) and symbol for fish pen	CGD13 47-47-10.570N	122-51-11.240W
DELETE	Quilcene Bay Mussel Raft Light A	CGD13 47-47-14.000N	122-51-07.700W
DELETE	Quilcene Bay Mussel Raft Light B	CGD13 47-47-22.000N	122-51-06.100W
DELETE	Quilcene Bay Mussel Raft Light C	CGD13 47-47-29.600N	122-51-05.500W
DELETE	Quilcene Bay Mussel Raft Light D	CGD13 47-47-14.300N	122-51-11.100W
DELETE	Quilcene Bay Mussel Raft Light E	CGD13 47-47-21.900N	122-51-08.900W
DELETE	Quilcene Bay Mussel Raft Light F	CGD13 47-47-29.400N	122-51-07.900W
DELETE	Symbol for fish pen	CGD13 47-47-18.000N	122-51-08.000W
DELETE	Symbol for fish pen	CGD13 47-47-27.000N	122-51-06.000W

LAST EDITION No new editions of chart 18441 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.

**18443**                      **17th Ed.**                      **01-JAN-10**                      **Last LNM: 40/16**                      **NAD 83**                      **04/24**

*ChartTitle: Approaches to Everett*

**Main Panel 1690 APPROACHES TO EVERETT. Page/Side: N/A**

LAST EDITION	No new editions of chart 18443 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS --	--
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**18444**                      **17th Ed.**                      **01-NOV-09**                      **Last LNM: 51/16**                      **NAD 83**                      **04/24**

*ChartTitle: Everett Harbor*

**Main Panel 1691 EVERETT HARBOR. Page/Side: N/A**

LAST EDITION No new editions of chart 18444 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18446 18th Ed. 01-MAR-11 Last LNM: 48/17 NAD 83 04/24**

*ChartTitle: Puget Sound-Apple Cove Point to Keyport;Agate Passage*

**Main Panel 1707 PUGET SOUND APPLE COVE POINT TO KEYPORT. Page/Side: N/A**

LAST EDITION No new editions of chart 18446 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18447 30th Ed. 01-SEP-12 Last LNM: 04/19 NAD 83 04/24**

*ChartTitle: Lake Washington Ship Canal and Lake Washington*

**Main Panel 1709 LAKE WASHINGTON SHIP CANAL AND LAKE WASHINGTON. Page/Side: A**

LAST EDITION No new editions of chart 18447 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18448 36th Ed. 01-DEC-15 Last LNM: 51/21 NAD 83 04/24**

*ChartTitle: Puget Sound-southern part*

**Main Panel 1712 PUGET SOUND SEATTLE TO OLYMPIA. Page/Side: N/A**

LAST EDITION No new editions of chart 18448 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18449 21st Ed. 01-NOV-19 Last LNM: 41/17 NAD 83 04/24**

*ChartTitle: Puget Sound-Seattle to Bremerton*

**Main Panel 1713 PUGET SOUND SEATTLE TO BREMERTON - -. Page/Side: -**

LAST EDITION No new editions of chart 18449 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18450 20th Ed. 01-JAN-17 Last LNM: 28/17 NAD 83 04/24**

*ChartTitle: Seattle Harbor, Elliott Bay and Duwamish Waterway*

**Main Panel 1714 SEATTLE HARBOR ELLIOTT BAY AND DUWAMISH WATERWAY. Page/Side: A**

LAST EDITION No new editions of chart 18450 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18452 17th Ed. 01-OCT-11 Last LNM: 12/14 NAD 83 04/24**

*ChartTitle: Sinclair Inlet*

**Main Panel 1715 SINCLAIR INLET. Page/Side: N/A**

LAST EDITION No new editions of chart 18452 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.  
NOS -- --

**18453 27th Ed. 01-MAR-13 Last LNM: 49/18 NAD 83 04/24**

*ChartTitle: Tacoma Harbor*

**Main Panel 1716 TACOMA HARBOR. Page/Side: N/A**

NOS



LAST EDITION No new editions of chart 18453 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

**18456**                    **21st Ed.**                    **01-NOV-10**                    **Last LNM: 43/17**                    **NAD 83**                    **04/24**

*ChartTitle: Olympia Harbor and Budd Inlet*

**Main Panel 1717 OLYMPIA HARBOR AND BUDD INLET. Page/Side: N/A**

NOS

LAST EDITION No new editions of chart 18456 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

**18458**                    **17th Ed.**                    **01-OCT-10**                    **Last LNM: 26/15**                    **NAD 83**                    **04/24**

*ChartTitle: Hood Canal-South Point to Quatsap Point including Dabob Bay*

**Main Panel 1719 HOOD CANAL TO QUATSAP POINT INCLUDING DABOB BAY. Page/Side: N/A**

DELETE	Quilcene Bay Fish Pen Lights (2) and symbol for fish pen	CGD13 47-47-10.570N	122-51-11.240W
DELETE	Quilcene Bay Mussel Raft Light A	CGD13 47-47-14.000N	122-51-07.700W
DELETE	Quilcene Bay Mussel Raft Light B	CGD13 47-47-22.000N	122-51-06.100W
DELETE	Quilcene Bay Mussel Raft Light C	CGD13 47-47-29.600N	122-51-05.500W
DELETE	Quilcene Bay Mussel Raft Light D	CGD13 47-47-14.300N	122-51-11.100W
DELETE	Quilcene Bay Mussel Raft Light E	CGD13 47-47-21.900N	122-51-08.900W
DELETE	Quilcene Bay Mussel Raft Light F	CGD13 47-47-29.400N	122-51-07.900W
DELETE	Symbol for fish pen	CGD13 47-47-18.000N	122-51-08.000W
DELETE	Symbol for fish pen	CGD13 47-47-27.000N	122-51-06.000W

LAST EDITION No new editions of chart 18458 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

**18460**                    **14th Ed.**                    **01-JAN-13**                    **Last LNM: 42/17**                    **NAD 83**                    **04/24**

*ChartTitle: Strait of Juan de Fuca Entrance*

**Main Panel 1720 STRAIT OF JUAN DE FUCA ENTRANCE. Page/Side: E**

NOS

LAST EDITION No new editions of chart 18460 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

**18464**                    **25th Ed.**                    **01-JUL-06**                    **Last LNM: 51/21**                    **NAD 83**                    **04/24**

*ChartTitle: Port Townsend*

**Main Panel 1722 PORT TOWNSEND. Page/Side: N/A**

NOS

LAST EDITION No new editions of chart 18464 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

**18465**                    **39th Ed.**                    **01-OCT-11**                    **Last LNM: 14/17**                    **NAD 83**                    **04/24**

*ChartTitle: Strait of Juan de Fuca-eastern part*

**Main Panel 1723 STRAIT OF JUAN DE FUCA EASTERN PART. Page/Side: N/A**

NOS

LAST EDITION No new editions of chart 18465 will be published. It will be canceled on 05-Jun-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. -- --

<b>18468</b>	<b>19th Ed.</b>	<b>01-SEP-12</b>	<b>Last LNM: 51/16</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Port Angeles</i>					
<b>Main Panel 1725 PORT ANGELES. Page/Side: N/A</b>					
					NOS
LAST EDITION	No new editions of chart 18468 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18471</b>	<b>11th Ed.</b>	<b>01-DEC-07</b>	<b>Last LNM: 51/21</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Approaches to Admiralty Inlet Dungeness to Oak Bay</i>					
<b>Main Panel 1724 APPROACHES TO ADMIRALTY INLET - DUNGENESS TO OAK BAY. Page/Side: N/A</b>					
					NOS
LAST EDITION	No new editions of chart 18471 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18473</b>	<b>10th Ed.</b>	<b>01-APR-20</b>	<b>Last LNM: 48/17</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Puget Sound-Oak Bay to Shilshole Bay</i>					
<b>Main Panel 1937 OAK BAY TO SHILSHOLE BAY PUGET SOUND - -. Page/Side: -</b>					
					NOS
LAST EDITION	No new editions of chart 18473 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18474</b>	<b>11th Ed.</b>	<b>01-DEC-15</b>	<b>Last LNM: 49/18</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Puget Sound-Shilshole Bay to Commencement Bay</i>					
<b>Main Panel 1679 PUGET SOUND SHILSHOLE BAY TO COMMENCEMENT BAY. Page/Side: A</b>					
					NOS
LAST EDITION	No new editions of chart 18474 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18484</b>	<b>12th Ed.</b>	<b>01-JUN-06</b>	<b>Last LNM: 42/17</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Neah Bay</i>					
<b>Main Panel 1728 NEAH BAY. Page/Side: N/A</b>					
					NOS
LAST EDITION	No new editions of chart 18484 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18485</b>	<b>17th Ed.</b>	<b>01-JAN-13</b>	<b>Last LNM: 42/17</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Cape Flattery</i>					
<b>Main Panel 1729 CAPE FLATTERY. Page/Side: N/A</b>					
					NOS
LAST EDITION	No new editions of chart 18485 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18502</b>	<b>88th Ed.</b>	<b>01-FEB-17</b>	<b>Last LNM: 23/21</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Grays Harbor;Westhaven Cove</i>					
<b>Main Panel 1731 GRAYS HARBOR. Page/Side: A</b>					
					NOS
LAST EDITION	No new editions of chart 18502 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--

<b>18521</b>	<b>77th Ed.</b>	<b>01-MAR-19</b>	<b>Last LNM: 22/21</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Pacific Ocean to Harrington Point;Ilwaco Harbor</i>					
<b>Main Panel 1737 COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT - -. Page/Side: -</b>					
				NOS	
LAST EDITION	No new editions of chart 18521 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18523</b>	<b>58th Ed.</b>	<b>01-NOV-13</b>	<b>Last LNM: 47/17</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Harrington Point to Crims Island</i>					
<b>Main Panel 1739 COLUMBIA RIVER HARRINGTON POINT TO CRIMS ISLAND. Page/Side: N/A</b>					
				NOS	
LAST EDITION	No new editions of chart 18523 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18524</b>	<b>38th Ed.</b>	<b>01-NOV-17</b>	<b>Last LNM: 51/21</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Crims Island to Saint Helens</i>					
<b>Main Panel 1740 COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS - -. Page/Side: -</b>					
				NOS	
LAST EDITION	No new editions of chart 18524 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18526</b>	<b>61st Ed.</b>	<b>01-OCT-20</b>	<b>Last LNM: 40/20</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Port of Portland, Including Vancouver;Multnomah Channel-southern part</i>					
<b>Main Panel 1743 PORT OF PORTLAND INCLUDING VANCOUVER - -. Page/Side: -</b>					
				NOS	
LAST EDITION	No new editions of chart 18526 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18531</b>	<b>24th Ed.</b>	<b>01-DEC-17</b>	<b>Last LNM: 53/19</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Vancouver to Bonneville; Bonneville Dam</i>					
<b>Main Panel 1750 COLUMBIA RIVER VANCOUVER TO BONNEVILLE - -. Page/Side: -</b>					
				NOS	
LAST EDITION	No new editions of chart 18531 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18532</b>	<b>21st Ed.</b>	<b>01-MAY-06</b>	<b>Last LNM: 17/19</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Bonneville To The Dalles; The Dalles; Hood River</i>					
<b>Inset 1754 HOOD RIVER. Page/Side: N/A</b>					
				NOS	
LAST EDITION	No new editions of chart 18532 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18533</b>	<b>12th Ed.</b>	<b>01-SEP-04</b>	<b>Last LNM: 22/16</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River Lake Celilo</i>					
<b>Main Panel 1757 COLUMBIA RIVER LAKE CELILO. Page/Side: N/A</b>					
				NOS	
LAST EDITION	No new editions of chart 18533 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .				--
<b>18535</b>	<b>12th Ed.</b>	<b>01-AUG-04</b>	<b>Last LNM: 21/16</b>	<b>NAD 83</b>	<b>04/24</b>
<i>ChartTitle: Columbia River John Day Dam to Blalock</i>					

<b>Main Panel 1759 COLUMBIA RIVER JOHN DAY DAM TO BLALOCK. Page/Side: N/A</b>					NOS	
18536	12th Ed.	01-JUN-18	Last LNM: 04/15	NAD 83		04/24
<i>ChartTitle: Columbia River Sundale to Heppner Junction</i>						
<b>Main Panel 1761 COLUMBIA RIV SUNDALE-HEPPNER JCT - -. Page/Side: -</b>					NOS	
LAST EDITION No new editions of chart 18536 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18537	12th Ed.	01-DEC-15	Last LNM: 13/17	NAD 83		04/24
<i>ChartTitle: Columbia River Alderdale to Blalock Islands</i>						
<b>Main Panel 1763 COLUMBIA RIVER ALDERDALE TO BLALOCK ISLANDS. Page/Side: N/A</b>					NOS	
LAST EDITION No new editions of chart 18537 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18539	9th Ed.	01-MAR-04	Last LNM: 35/16	NAD 83		04/24
<i>ChartTitle: Columbia River Blalock Islands to McNary Dam</i>						
<b>Main Panel 1765 COLUMBIA RIVER BLALOCK ISLANDS TO MCNARY DAM. Page/Side: N/A</b>					NOS	
LAST EDITION No new editions of chart 18539 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18541	9th Ed.	01-AUG-18	Last LNM: 43/16	NAD 83		04/24
<i>ChartTitle: Columbia River-McNary Dam to Juniper</i>						
<b>Main Panel 1767 COLUMBIA RIV MCNARY DAM-JUNIPER - -. Page/Side: -</b>					NOS	
LAST EDITION No new editions of chart 18541 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18542	10th Ed.	08-JAN-00	Last LNM: 37/16	NAD 83		04/24
<i>ChartTitle: Columbia River Juniper to Pasco</i>						
<b>Main Panel 1769 COLUMBIA RIVER JUNIPER TO PASCO. Page/Side: N/A</b>					NOS	
LAST EDITION No new editions of chart 18542 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18543	2nd Ed.	01-DEC-03	Last LNM: 10/14	NAD 83		04/24
<i>ChartTitle: Columbia River Pasco to Richland</i>						
<b>Main Panel 2937 COLUMBIA RIVER, PASCO TO RICHLAND. Page/Side: N/A</b>					NOS	
LAST EDITION No new editions of chart 18543 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .						
18545	15th Ed.	01-SEP-03	Last LNM: 22/16	NAD 83		04/24
<i>ChartTitle: Lake Sacajawea</i>						
<b>Main Panel 1771 SNAKE RIVER LAKE SACAJAWEA SIDE A. Page/Side: A</b>					NOS	

LAST EDITION	No new editions of chart 18545 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	--	--
<b>18546</b>	<b>10th Ed. 01-FEB-04 Last LNM: 08/17 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Snake River-Lake Herbert G. West</i>			
<b>Main Panel 1773 SNAKE RIVER LAKE HERBERT G WEST SIDE A. Page/Side: A</b>			
LAST EDITION	No new editions of chart 18546 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18547</b>	<b>9th Ed. 01-JAN-16 Last LNM: 40/17 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Snake River-Lake Bryon</i>			
<b>Main Panel 1776 SNAKE RIVER LAKE BRYAN. Page/Side: A</b>			
LAST EDITION	No new editions of chart 18547 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18548</b>	<b>5th Ed. 01-DEC-02 Last LNM: 10/17 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Snake River-Lower Granite Lake FRANKLIN D. ROOSEVELT LAKE</i>			
<b>Main Panel 1778 SNAKE RIVER LOWER GRANITE LAKE SIDE A. Page/Side: A</b>			
LAST EDITION	No new editions of chart 18548 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18554</b>	<b>8th Ed. 01-MAY-10 Last LNM: 47/13 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Lake Pend Oreille</i>			
<b>Main Panel 1786 LAKE PEND OREILLE. Page/Side: N/A</b>			
LAST EDITION	No new editions of chart 18554 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18558</b>	<b>39th Ed. 01-SEP-12 Last LNM: 33/17 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Tillamook Bay</i>			
<b>Main Panel 1788 TILLAMOOK BAY. Page/Side: N/A</b>			
LAST EDITION	No new editions of chart 18558 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18561</b>	<b>13th Ed. 01-DEC-11 Last LNM: 30/20 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Approaches to Yaquina Bay;Depoe Bay</i>			
<b>Main Panel 1789 APPROACHES TO YAQUINA BAY. Page/Side: N/A</b>			
LAST EDITION	No new editions of chart 18561 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <a href="https://www.charts.noaa.gov/MCD/Dole.shtml">https://www.charts.noaa.gov/MCD/Dole.shtml</a> .	NOS	--
<b>18581</b>	<b>19th Ed. 01-OCT-11 Last LNM: 30/20 NAD 83</b>		<b>04/24</b>
<i>ChartTitle: Yaquina Bay and River;Continuation of Yaquina River</i>			
<b>Main Panel 1792 YAQUINA BAY AND RIVER. Page/Side: N/A</b>			
LAST EDITION	No new editions of chart 18581 will be published. It will be canceled on	NOS	--

02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>.

18583 40th Ed. 01-OCT-11 Last LNM: 33/17 NAD 83 04/24

Chart Title: Siuslaw River

Main Panel 1794 SIUSLAW RIVER. Page/Side: N/A

LAST EDITION No new editions of chart 18583 will be published. It will be canceled on 02-Jul-24. Comparable or larger scale Electronic Navigational Chart (ENC) coverage is available. See "Cancellation of NOAA Paper and Raster Nautical Charts" in Section I of this LNM for details. A list of all canceled NOAA charts is at <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS --

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### 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.

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#### SUMMARY OF ADVANCED APPROVED PROJECTS

##### Approved Project(s)

None

##### Project Date

##### Ref. LNM

##### Advance Notice(s)

#### OREGON – TILLAMOOK BAY – Changes to the Aids to Navigation at the entrance to Tillamook Bay

The U.S. Coast Guard will be making the following changes to the aids to navigation that mark the entrance into Tillamook Bay:

Tillamook Bay Approach Lighted Whistle Buoy T (LLNR 680-9810) will be disestablished and a virtual AIS signal will be broadcast in approximate position 45-34-08.600N 123-59-16.900W.

Tillamook Bay Entrance Lighted Buoy 2 (LLNR 9817) will be disestablished.

Tillamook Bay Entrance Lighted Buoy TN (LLNR 9813) will be established at approximate position 45-34-15.800N 123-58-23.500W, a yellow lighted buoy displaying a yellow light flashing every 2.5 seconds with a nominal range of 3 NM. A synthetic AIS signal will broadcast at this position.

Tillamook Bay Entrance Lighted Buoy TS (LLNR 9815) will be established at approximate position 45-34-02.300N 123-58-23.500W, a yellow lighted buoy displaying a yellow light flashing every 4 seconds (Fl Y 4s) with a nominal range of 3 NM. A synthetic AIS signal will broadcast at this position.

Mariners are encouraged to share comments on this proposed change and the performance and operation of these aids to navigation. All comments should be sent to the email address D13-SMB-D13-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: 18520 18558

LNM: 42/23

#### WASHINGTON – WILLAPA BAY - Disestablishment of Willapa Bay Lighted Buoy "C" and Buoy "D" (Revised from LNM 16/22)

The U.S. Coast Guard has permanently disestablished Willapa Bay Entrance Lighted Buoy "C" (LLNR 15186) and Willapa Bay Entrance Buoy "D" (LLNR 15167) as the constantly shifting bar at the entrance to Willapa Bay prevents these buoys from marking the navigable channel, and surf conditions make the placement, retrieval and servicing of these buoys hazardous. There are currently no plans by the US Army Corps of Engineers to dredge or maintain the entrance channel into Willapa Bay. Virtual AIS (V-AIS) signals will be established in place of these buoys. The projected approximate locations are:

Willapa Bay V-AIS "A", a special purpose AIS marking good water at 46-44-18.4N 124-06-21.9W

Willapa Bay V-AIS "B", a special purpose AIS marking good water at 46-43-34.4N 124-03-52.7W

Mariners are encouraged to share comments on the performance and operation of aids to navigation. All comments should be sent to the email address of D13-SMB-D13-LNM@uscg.mil. Any discrepancy for Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River.

LNM: 18/22

#### WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA AND PUGET SOUND – Removal of RACONs on aids to navigation (Revised from LNM 44/23)

The U.S. Coast Guard will be removing the RACONs from selected aids to navigation in the Strait of Juan de Fuca, Rosario Strait and Puget Sound due to the consistent failure of the signals and that they are no longer considered necessary for safe navigation of the waterways. While there is no specific timeline for the removal of this equipment, it will be coordinated with servicing and discrepancy responses. The removal of the RACONs will be announced by Broadcast Notice to Mariners and published in the Local Notice to Mariners as Chart and Light List corrections. These aids to navigation are:

Hein Bank Lighted Buoy 1 (LLNR 16362)

Puget Sound Traffic Separation Lane Lighted Buoy "SF" (LLNR 16745)

Mariners are requested to respond in writing to the Coast Guard District office with any comments on this change at D13-SMB-D13-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

**WASHINGTON – PUGET SOUND –STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA - Removal of ball topmarks from Isolated Danger Buoys (Revised from LNM 51/23)**

The U.S. Coast Guard will be removing the two black ball topmarks from Blakely Island Shoal Isolated Danger Lighted Buoy DS (LLNR 19430). This action is due to recurring damage of the topmarks from weather events, and the debris has interfered with the visibility of the light signal.

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-SMB-D13-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – Reduction to the nominal range of Point Roberts Light**

The U.S. Coast Guard is reducing the intensity of Point Roberts Light (LLNR 19965) from 16 NM to 14 NM to facilitate the installation and operation of a LED lantern. The precise intensity change will be from 23,000 candelas to 9,180 candelas (from 16.0 NM to 14.1 NM). This change is expected to occur during the spring of 2023 and will be announced via a Broadcast Notice to Mariners. Mariners are welcome to respond in writing to the Coast Guard District office with any comments on this change at D13-SMB-D13-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

**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**

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
None			
<b><u>Proposed Change Notice(s)</u></b>			
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.

LNM: 04/24

**SUMMARY OF DREDGING OPERATIONS**

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

LNM: 04/24

**SUMMARY OF MARINE EVENTS**

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

LNM: 04/24

**OREGON – SIUSLAW RIVER – CUSHMAN – Cushman Railroad Bridge maintenance**

Rail replacement and maintenance is being conducted on the Cushman Railroad Bridge (LLNR 9573) at Siuslaw River mile 8.0, at Cushman, OR, until 31 Jan 2024. This work will impact the west channel of the swing span bridge 24 hours a day. The east channel will be open to marine traffic. Crews will be working from a barge supported by a tugboat. The tug will monitor VHF-FM Channels 13 and 16. The barge will be anchored on site 24 hours a day, 7 days a week. The barge will be lighted with an all-around white light on each corner. For more information contact the Crew Chief at (503) 991-3102.

**OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Bridge construction notice (Revised from LNM 06/21)**

ODOT is conducting cathodic protection upgrades and bridge concrete repairs to the Yaquina Bay Highway 101 Bridge (LLNR 9627) in Newport, OR, at Yaquina Bay mile 0.7. A low-level access walkway system has been constructed across the 4 concrete arch spans from the south bank heading north. While erected, the vertical navigation clearance will be reduced to a minimum of 16 feet at MHHW. The low level walkway system spans from the south bank to the North approx. 880 feet. This system will be functional until approximately the summer of 2024. The main navigational channel will not be impeded by the project as that section is made of steel. Mariners are requested not to loiter under the construction area due to fall hazards. For more information, contact Dan Lutze, the project superintendent, at (503) 519-5408.

The project is taking actions to prevent conflicts with birds. ODOT has contracted with the US Department of Agriculture’s Animal and Plant Health

**OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Bridge construction notice (Revised from LNM 06/21)**

Inspection Service (APHIS) to perform bird-hazing activities with an aim to prevent nesting in certain sections of the bridge until scaffolding and containment can be installed. Hazing activities may include noise cannons, laser lights, and pyrotechnics. The activities may happen at any time of day, however, the noise cannons will primarily be used for the few hours surrounding sunset each evening. These efforts will have no effect on marine navigation. Hazing activities are expected to begin at the end of March and continue well into June. For more information on the APHIS activities, contact Steven Schultz at (541) 757-4158 or Steven.Schultz@ODOT.Oregon.gov.

Chart 18561

LNM: 12/22

**COLUMBIA RIVER – ST. HELENS TO VANCOUVER – I-5 Bridge Replacement Project geotechnical drilling (Revised from LNM 41/23)**

The Interstate Bridge Replacement Program will be conducting geotechnical investigations just west of the existing Interstate 5 Highway Bridge (LLNR 11258) across the Columbia River and Oregon Slough (North Portland Harbor) between Vancouver, WA and Portland, OR at Columbia River Mile 106.5. The work will include a tug and barge which at times will be in one of the navigational channels on the following schedule:

14 Nov 2023 – 21 Nov 2023 – Main Channel (Lift Span)

30 Nov 2023 – 15 Dec 2023 – Alternate Barge Channel North

10 Jan 2024 – 23 Jan 2024 – Alternate Barge Channel South

The tug South Creek and the barge Mark 12 will be on station and will reduce available horizontal clearances by varying amounts based upon work locations. Mariners are encouraged to contact South Creek on VHF-FM channel 13 for safe passing arrangements, and to use alternate channels if horizontal clearance is not sufficient. Only one channel will be reduced at any one time. Mariners are requested to maintain an appropriate distance and reduce wake as much as possible. During non-working hours the barge will remain on station with steady white lights on all 4 corners. There will be no infringement on the available vertical clearances and no changes to the operation of the lift span. For more information, contact Craig Mark at (360) 772-0916.

Charts: 18526 18531

LNM: 47/23

**COLUMBIA RIVER – BLALOCK ISLAND TO MCNARY DAM – LAKE UMATILLA – Bridge Notice (Revised from LNM 30/23)**

WSDOT will be painting and making repairs on the I-82 Highway Bridge (LLNR 12752) across the Columbia River at river mile 290.5. Construction will occur from Apr of 2024 to 31 Oct 25, with working hours 24 hours a day, 7 days a week, Monday through Sunday. A containment system will be attached to the bridge 24-hours a day, 7 days per week. The containment structure for painting the existing steel portion below the deck will be installed and will reduce the vertical clearance by 10 feet, however, only half the bridge span will have containment at any given time. The I-82 Highway Bridge provides 85.0 feet of clearance at midspan. The containment system will prevent any falling debris once it is constructed. The traveler support system repairs will be above the bridge deck and all paint work will be underneath the bridge deck. Mariners are advised to use caution while transiting the area. For additional information, please contact Alex Sanguino at (509) 222-2403, email sanguia@wsdot.wa.gov, or Andres Mendoza at (509) 222-2440, email mendoza@wsdot.wa.gov.

Chart 18539

LNM: 30/23

**COLUMBIA RIVER – PASCO TO RICHLAND – LAKE WALLULA – Bridge maintenance**

A bridge rehabilitation project will be conducted from 19 Feb – 30 Nov 2024 on the US-395 12 Blue Highway Bridge (LLNR 13057) across the Columbia River at RM 330, between Pasco and Kennewick. There will be a temporary platform system installed under the bridge deck from pier 2 to pier 7 and then again from pier 10 to pier 13, which will reduce the vertical clearance by approximately 5 feet after the platform is installed. The 3 truss spans in the middle bridge (between piers 7 and 10) will not have a working platform beneath the bridge, and therefore will not be impacted. We advise mariners to use caution while in the area. For additional information please contact Tanya Pilarinos, Project Coordinator, at (727) 916-2708 or tpilarinos@southernrb.com.

Chart 18543

LNM: 51/23

**IDAHO – LOWER GRANITE LAKE – CLEARWATER RIVER – Bridge construction notice**

Wadsworth Brothers Construction Company will conduct partial demolition and reconstruction of the US-12 Memorial Bridge, AKA the Clearwater Memorial Highway Bridge (LLNR 14072), from 10 Jul 2023 until 11 Sep 2024. The bridge is located at the City of Lewiston, Idaho at river mile 2.0 of the Clearwater River. Work will occur 7 days per week, up to 24 hours per day. Work includes partially demolishing and reconstruction of the existing bridge in two phases, with one half of the bridge affected in each phase. Temporary navigation channels will be marked with red and green buoys with red or green flashing lights, respectively. Depending on the phase of work, the temporary navigation channel will either be between piers 2 and 3 (span 3) or between piers 3 and 4 (span 4). At least one temporary navigation channel will be available at all times, with some short-term closures required for not longer than three hours per day. Any closures will be approved by the Coast Guard. Each temporary navigation channel will have minimum navigation clearances of 23.06' vertical and 107.79' horizontal. Directional signage and a "no wake" zone will also be placed on both the upstream and downstream locations to direct and advise mariners of the designated navigation channels. The work will be aided by one or more work skiffs and barges. Barges will be marked by white lights on all four corners. Mariners are advised to use caution while transiting the area. For additional information contact Linn Bogart, Project Manager, at (801) 509-8808 or lbogart@wadsbro.com.

Chart 18548

LNM: 17/23

**OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Morrison Bridge deviation**

The U.S. Coast Guard has approved a temporary deviation from the normal operating schedule that governs the Morrison Highway Bridge (LLNR 14955.5) across the Willamette River, mile 12.8. The deviation period will be from 15 Jan 2024 to 21 Feb 2024. This deviation accommodates repairs needed that were discovered during the painting and preservation of the bridge. The temporary deviation allows the bridge operator to open half of the draw span for maritime traffic in single leaf operation when at least a one-hour notice is given. The east leaf will be in the closed-to-navigation position from 0700 on 15 Jan 2024 to 1700 on 07 Feb 2024, and the west leaf will open to mariners. The west leaf closure will be from 0700 on 08 Feb 2024 to 1700 on 21 Feb 2024, and the east leaf will open to mariners. The Morrison Bridge provides a vertical clearance of 69 feet in the closed position above Columbia River Datum 0.0. Horizontal clearance is 185 feet with a full opening and will be reduced to 92 feet with a half opening. A tug will be available for navigation assistance upon request with a four-hour notice. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge will be able to open half the span for emergencies. For more information contact Melissa Moncada at (503) 736-4316, or email melissa.moncada@jacobs.com.

Chart 18526

LNM: 46/23

**OREGON – WILLAMETTE RIVER – PORTLAND TO WALNUT EDDY – Bridge construction notice (Revised from LNM 21/22)**

Kiewit Construction will begin a seismic upgrade construction project on the I-205 Highway Bridge (LLNR 15078) AKA, Abernethy Bridge across the Willamette River at RM 25.6, from 20 Jun 22 to 01 Oct 25. The construction activity will take place across the entire river at the bridge. Construction personnel will be working 24 hours a day Monday through Saturday. Bridge construction work will include the installation of multiple temporary work



**OREGON – WILLAMETTE RIVER – PORTLAND TO WALNUT EDDY – Bridge construction notice (Revised from LNM 21/22)**

platforms across sections of the river. All river traffic will be restricted to a temporary navigational channel with horizontal clearance of 150 feet wide and vertical clearance of 51.8 feet high at ordinary high water (OHW), or 76.0 feet high at Columbia River Datum (CRD). The temporary navigation channel will be marked with floating buoys with flashing lights to match buoy type (red nun and green can navigational buoys and white can informational buoys, each with matching color lights flashing at 4-second intervals). Crews will be using floating cranes and barges, attended by tugs throughout the site. All vessels will monitor VHF channels 13 and 16. Barges will be marked on each corner with a white light flashing at 6-second intervals. Each corner of the multiple trestles will also be marked at each corner with a white light flashing at 6-second intervals. Signage on the trestles will communicate the safe distance from the work zone. For an overview of the work site and navigation channel, see Enclosure (4) of LNM 24/22. For more information contact Kiewit Construction, Christopher Locke at (503) 591-5508 or email christopher.locke@kiewit.com.

LNM: 42/23

**WASHINGTON – SPOKANE RIVER – SPOKANE VALLEY – Bridge construction notice**

BNSF Railway Company (BNSF) is starting construction on the new BNSF Railroad Bridge 62.6B located over the Spokane River at River Mile 85.5, in Spokane Valley, WA, at approximate location 47-41-24 N, 117-13-57 W. Contractors will be mobilizing in April 2023 and will be working below the Ordinary High-Water Mark (OHWM) of the river with various construction details for the new bridge through May 2024. A temporary work bridge will be constructed on the downstream (north) side of the existing BNSF bridge. Work will include the installation of an estimated 23 temporary piles. Cranes and other support equipment and materials will be staged on the work bridge throughout the duration of the project. Work will be within and along the BNSF right-of-way (ROW). Hours of construction activities will generally be during daylight hours, Monday thru Friday. The bridge contractor, Hamilton Construction, will have a work boat to provide safety and other on-water project support. The temporary work bridge will have temporary safety navigation lights and work zone buoys in accordance with the Navigation Rules (COLREGS-Inland). Enclosure (4) of LNM 18/23 displayed the project vicinity, locations of high and low-water work areas, the temporary work bridge and new bridge configurations, and the proposed navigation envelope. Applicable changes to the work locations and activities will be updated, if needed, by a subsequent LNM as construction progresses. At all times, navigational safety buoys and/or signage, along with safety lighting for the work areas will be in place. At least one of the four temporary work bridge spans which align with the navigational envelope of the existing bridge will remain unobstructed during the project for vessel traffic. Vertical clearance of the existing bridge will be unchanged. The mariners should be aware of the work zone when travelling beneath the work bridge and new bridge construction areas, and should be vigilant for cables, buoys, falling debris, tools, etc. The point of contact for the bridge contractor, Hamilton Construction, Chris VanderPloeg can be reached at (541) 954-8366; CVanderPloeg@hamil.com. For additional information contact the BNSF Project Engineer, Kyle Leatham (425) 210-8084; Kyle.Leatham@BNSF.com.

LNM: 16/23

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – Marine construction (Revised from LNM 28/23)**

Ballard Marine Construction is conducting a construction project on Lake Washington in the vicinity of the I-90 Highway Bridge (East Channel) (LLNR 18398), in approximate location 47-34-42.082 N, 122-11-59.770 W, from 14 Jul – 15 Feb 2024, 24 hours a day, 7 days a week. The project includes dredging and installation of pipeline. There will be a turbidity curtain to contain the dredging operations. The turbidity curtain will be marked with orange and white buoys with flashing white lights. Mariners are advised that the main channel will be blocked at certain times due to the nature of the work. At least one channel under the bridge will be open at all times. Mariners should use caution and reduce wake when transiting the area. For additional information, contact Daylon Hutton of Ballard Marine Construction at (360) 609-6445 or email daylon.hutton@ballardmc.com.

LNM: 35/23

Chart 18447

**WASHINGTON – PUGET SOUND – EVERETT HARBOR – SNOHOMISH RIVER – Bridge maintenance**

The Interstate 5 Highway Bridge (LLNR 18594.1) across the Snohomish River, mile 5.4, in Everett, WA, will be preserved and painted from 12 Jun 2023 to 31 Oct 2024. Containment up to 4 feet will be installed and reduce the vertical clearance of the subject bridge from 66 feet to 62 feet above high water. Containment will be marked with amber flashing lights on the bottom with flashing amber lights (FL Y 6s). The working hours will be Monday through Saturday 0800 – 1800 and some night work 2100 – 0800. No service barges will be on site. Mariners are free to transit under the subject bridge at any time. For more information contact Michael Xipolitas at (330) 550-7192 or at Mikex@vimaspainting.com

LNM: 15/23

Chart 18444

**WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – Bridge Notice**

The Coast Guard has approved a temporary deviation for the SR-529 Bridge (South bound) (LLNR 18594.9) across Steamboat Slough, mile 1.1, near Marysville, WA. The deviation will allow personnel to safely conduct maintenance and repair to the subject bridge from 0700 on 01 Jan to 2359 on 28 Jun 2024. The draw span will open on signal Tuesday and Friday afternoons from 1200 to 1700 when mariners request 24 hours in advance via marine radio VHF channel 13 or telephone. Work will occur 24 hours per day seven days a week. Three feet of containment will be installed at multiple locations on the bridge that will reduce the vertical clearance from 10 feet above mean high water to 7 feet above mean high water. Containment will be marked with amber flashing lights. Alternate routes into and out of Steamboat Slough can be via Union Slough or Snohomish River. Vessels that do not require a draw opening at the south bound SR-529 Bridge may transit under the bridge at any time but be aware of fall hazards. For more information contact Amelia Scharrer at (425) 225-8703.

LNM: 51/23

Chart 18443

**COLUMBIA RIVER – SNAKE RIVER – 2024 Annual Lock closures for maintenance (Revised from LNM 32/23)**

The USACE Portland and Walla Walla Districts have scheduled the annual navigation lock maintenance closure for 2024. During this time, the Locks and Dams on the Columbia and Snake Rivers have scheduled routine inspections and maintenance, as well as some non-routine work. For the eight (8) navigation locks in the Portland and Walla Walla Districts, the closure schedules are as follows:

Bonneville	(RM 146.1)	– 0001 on 03 Mar 2024 to 2359 on 16 Mar 2024
The Dalles	(RM 191.5)	– 0001 on 03 Mar 2024 to 2359 on 16 Mar 2024
John Day	(RM 215.6)	– 0001 on 02 Mar 2024 to 2359 on 16 Mar 2024
McNary	(RM 292)	– 0600 on 14 Jan 2024 to 2359 on 29 Mar 2024
Ice Harbor	(RM 9.7)	– 0600 on 26 Feb 2024 to 2359 on 22 Mar 2024
Lower Monumental	(RM 41.6)	– 0600 on 14 Jan 2024 to 2359 on 29 Mar 2024
Little Goose	(RM 70.3)	– 0600 on 14 Jan 2024 to 2359 on 29 Mar 2024
Lower Granite	(RM 107.3)	– 0600 on 14 Jan 2024 to 2359 on 29 Mar 2024

For additional information regarding McNary, Ice Harbor, Lower Monumental, Little Goose and Lower Granite lock maintenance closures, contact Walla Walla District, Operations Division, at (509) 527-7364.

Charts: 18539 18541 18545 18546 18547

LNM: 38/23

**COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage**

### **COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage**

The USACE Portland and Walla Walla Districts have implemented the winter seasonal lockage schedule for the passage of recreational craft through the Columbia and Snake River navigation locks. The Portland District will operate the winter lockage schedule until 14 May 2024, while the Walla Walla District will operate the winter schedule until 17 May 2024. Winter lockage will be made during daylight hours only, on request at each lock – vessels should contact the lock operator via VHF-FM channel 14 or telephone and should make their request at least 30 minutes in advance.

Lock Name	Location	Phone Number	Radio Call Sign
<b>Portland District:</b>			
Bonneville Lock	Columbia River Mile 145.5	(541) 374-8323	WUJ 33
The Dalles Lock	Columbia River Mile 191.5	(541) 506-8211	WUJ 34
John Day Lock	Columbia River Mile 215.6	(541) 298-9712	WUJ 35
<b>Walla Walla District:</b>			
McNary Lock	Columbia River Mile 292	(541) 922-2231	WUJ 41
Ice Harbor Lock	Snake River Mile 9.7	(509) 543-3231	WUJ 42
Lower Monumental Lock	Snake River Mile 41.6	(509) 282-7231	WUJ 43
Little Goose Lock	Snake River Mile 70.3	(509) 399-2233	WUJ 44
Lower Granite Lock	Snake River Mile 107.5	(509) 843-2231	WUJ 45

Commercial vessels continue to have lockage precedence over recreational vessels. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial vessels. The Portland District requests that recreational vessels contact the lock at least 30 minutes prior to arrival using VHF-FM channel 14 or via telephone. All vessel owner/operators lock through at their own risk. All persons in the vessel must be wearing a personal flotation device (PFD) during lockage. Follow the directions of the lock operator when using 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 USACE Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers, published separately, for safety requirements. For safety and additional information on Portland District navigation lock operations and schedules visit <http://www.nwp.usace.army.mil/Missions/Navigation.aspx> and for Walla Walla District lock operations visit <http://www.nww.usace.army.mil/Missions/Navigation.aspx> or call the USACE Walla Walla Operations Division at (509) 527-7364.

Charts: 18532 18533 18535 18536 18537 18539 18541 18545 18546 LNM: 38/23

### **OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Wave measurement buoy deployment**

Oregon State University will deploy four yellow wave-measurement "Spotter" buoys in a line approximately 1.5 NM north of the Yaquina Bay Entrance, and between 1 and 1.5 NM off the beach. The deployment is expected during the week of 23 Oct and the buoys are anticipated to remain in the water until Feb 2024. The four moorings will be positioned between 44-38-00 N, 124-05-54 W and 44-38-00 N, 124-05-12 W. The Spotter buoys are about 16" in diameter, include yellow flashing lights, and are tethered to 12" orange surface floats which are connected to seafloor anchors via cable. The moorings may present an entanglement hazard to powered watercraft. Mariners are requested to keep at least 100 ft clear of the buoys and floats. For more information, contact Randall Pittman at (541) 737-2102 or [randall.pittman@oregonstate.edu](mailto:randall.pittman@oregonstate.edu).

Chart 18561 LNM: 42/23

### **COLUMBIA RIVER SYSTEM AND WASHINGTON - Testing of prototype plastic buoys**

The U.S. Coast Guard is testing various prototype plastic buoys to observe their station keeping ability and visual and radar detection capabilities. Buoys have been placed at the following locations for evaluation:

On the Columbia, Snake and Willamette Rivers:  
Desdemona Sands Lighted Buoy 22 (LLNR 9990)  
Hood River Lighted Buoy 36 (LLNR 11932)  
Bonneville Pool Lighted Buoy 69 (LLNR 12130)  
Lake Celilo Buoy 45 (LLNR 12360)  
Lake Wallula Lighted Buoy 2 (LLNR 12815)  
Snake River Buoy 14 (LLNR 13195)  
Elk Rock Buoy 10 (LLNR 15005)

In Grays Harbor and Admiralty Inlet Washington:  
Point Chehalis Lighted Buoy 4 (LLNR 15990)  
Point Wilson Lighted Buoy 6 (LLNR 16470)

While the buoys performance is being studied, the US Coast Guard is soliciting comments from the maritime community transiting this waterway. Mariners are requested to respond in writing to the Coast Guard District office with any comments on this change at [D13-SMB-D13-LNM@uscg.mil](mailto:D13-SMB-D13-LNM@uscg.mil). Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River and US Coast Guard Sector Puget Sound.

Charts: 18502 18533 18545 LNM: 52/22

### **COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – Astoria waterfront dredging**

The Port of Astoria will conduct dredging of its Central Waterfront via hydraulic suction dredge in the vicinity of River Mile 13, approximate position 46-11-24.96 N, 123-51-38.26 W, from 13 Dec 2023 – 29 Feb 2024. Dredging activities with Dredge "Felkins" and assistant vessel "Sentinel" will be limited to Slip 1 and the Face of Pier 1 with operations conducted at differing hours Sunday – Friday, depending on tides. Port crews will be monitoring VHF-FM channels 13 and 74. Mariners are requested to keep a safe distance from vessels, to use caution and reduce wake when transiting the area. For additional information, please contact the Port of Astoria at (503) 741-3330.

Chart 18521 LNM: 50/23

### **COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – JOHN DAY CHANNEL – Marine Construction**

Bergerson Construction will be performing pier demolition and construction operations on the John Day Channel off the Columbia River on the eastern side of Tongue Point in approximate location 46-12-12.860 N, 123-45-31.200 W. Work is anticipated to begin on or about 14 Aug and continue through December of 2024, Monday through Friday, from 0700 to 1800 daily. A 60' x 120' crane barge Betsy Ross, a 45' x 112' deck barge, various sectional barges and assist vessel Olaf J will be on site. Personnel on the Betsy Ross and Olaf J will be monitoring VHF-FM channel 17. A yellow, floating turbidity boom/curtain will be used to surround and identify the work area and white flashing lights will be used to demarcate the barges. Mariners are requested to use caution and reduce wake when transiting the area. For additional information, contact site superintendent Mike Puckett at (503) 440-7344, or Bergerson Construction office at (503) 325-7130.

Chart 18521 LNM: 31/23

**WASHINGTON – LEWIS RIVER – Bridge repair (Revised from LNM 27/23)**

MJ Hughes Construction will be performing bridge deck repair and Under Bridge Inspections on the I-5 Highway Bridge across the Lewis River at RM 5.5. Work will be done on the eastbound bridge from 07 Aug to 30 Sep 23. Work will be done on the westbound bridge from 26 Jul – 18 Sep 24. The bridge deck repair work and under bridge inspection truck will take place Monday – Saturday, 1 or 2 shifts of 10 hours each per day both day and night depending on scope of work. Under bridge work nets will be marked by flashing yellow lights and warning signs posted on the bridge piers up and down river. Mariners are advised to use caution while transiting area. For additional information, contact William Hill at (971) 240-7310 email bill.h@mjhughes.com.

Chart 18524

LNM: 29/23

**COLUMBIA RIVER – SAINT HELENS TO VANCOUVER – Marine construction**

Advanced American Construction will perform dock demolition activities at the Port of Vancouver's Terminal 1 near Columbia River mile 106.5 from 04 Dec 2023 – 29 Feb 2024. Working hours are Monday – Saturday, 0700 – 1530. The work barge will be on station and monitoring VHF-FM 13 during working hours. The work barge will remain on station with steady white lights on all corners during non-working hours / days. Vessels are requested to avoid the work zone and minimize wake when transiting the area. For more information, please contact Todd High (503) 572-0101 or email ToddH@CallAAC.com.

Chart 18526

LNM: 49/23

**COLUMBIA RIVER – JUNIPER TO PASCO – Marine construction (Revised from LNM 35/23)**

Advanced American Construction (AAC) is performing marine construction activities near Columbia River mile 327.5 near Pasco, WA, in approximate position 46-12-54.92 N, 119-05-13.74 W. Activities include digging and excavation of trench from shoreline to 1000' into river, piledriving, placing pipeline into the river, backfilling trench, and removing temporary piles. AAC's DB4100 will be conducting the work, usually Monday – Friday, 0700 – 1730, and will monitor VHF-FM channel 78. The operation is anticipated to conclude by 01 Mar 24. Mariners are requested to use slow speed and minimize wake when in work area. For more information, please contact Brent Alexander at (360) 601-4025 or email Brenta@callaac.com or John Winstead at (541) 350-2979 or email Johnw@callaac.com.

Chart 18542

LNM: 43/23

**WASHINGTON – GRAYS HARBOR – Underwater obstruction**

On 19 Nov 2023, a large concrete sinker with a significant amount of chain attached was dredged up by a deep draft vessel anchor. The sinker and chain was cut free in approximate location 46-55-19.506 N, 124-06-19.950 W. This location is in the Grays Harbor Channel near the western end of the South Reach. This obstruction may pose a danger to deep draft vessels transiting this portion of the waterway. There is no timeline for removal of the obstruction.

Chart 18502

LNM: 47/23

**WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – Olympic Coast National Marine Sanctuary research buoys**

The Olympic Coast National Marine Sanctuary (OCNMS) has deployed two unlighted research moorings in the sanctuary which may remain throughout the winter.

One mooring was deployed approximately 2 NM off Makah Bay in position 48-19-26.280 N, 124-44-7.380 W.

A second mooring was deployed approximately 4 NM southwest of the Quillayute River entrance position 47-52-34.140 N, 124-44-00.300 W. Surface gear consists of a 12-inch low-drag surface float with three trailing yellow seine net floats, and an 8-meter-long Amsteel line attached to sub-surface gear. Sub-surface gear consists of additional line segments, a 14-inch trawl float two meters below mean lower low water, oceanographic instruments, hardware, and an anchor weighing 264 pounds.

In addition, there is one damaged, unrecoverable mooring approximately 1 NM off Cape Elizabeth in position 47-21-24.420 N, 124-20-53.280 W. There is no surface gear visible at this location – all gear is submerged.

OCNMS will attempt to recover all three moorings in May of 2024. Mariners are advised to stay clear of these moorings to avoid entanglement. For more information, contact Lieutenant Junior Grade Haley Wilson at (252) 529-7898 or via email at haley.wilson@noaa.gov.

Chart 18480

LNM: 43/23

**WASHINGTON – APPROACHES TO ADMIRALTY INLET – SEQUIM BAY – Research operations**

A subsurface tidal turbine will be deployed on the seabed in the inlet to Sequim Bay, in approximate position 48-04-47.064 N, 123-02-35.88 W, just west of Klapot Point on Travis Spit. At MLLW the top of the unit will be greater than 12 feet below the surface. A subsea cable will run from the unit along the seabed to the dock at the Pacific Northwest National Laboratory's Marine and Coastal Research Laboratory. Once installed, the unit will remain on the seabed 24 hours a day until recovered in March 2024. The location of the unit will not be marked with buoys to maintain maximum navigability of the channel. Mariners are requested to exercise caution and maintain a safe distance from the vessel during operations. The tidal turbine is a fouling risk and contains moving components. For additional information contact Christopher Bassett at the Applied Physical Laboratory (University of Washington) at (206) 543-1263.

Chart 18471

LNM: 37/23

**WASHINGTON – ADMIRALTY INLET AND PUGET SOUND TO SEATTLE – PORT TOWNSEND – Marine construction and marina closure (Revised from LNM 38/23)**

Orion Marine will be removing and replacing the South Breakwater at the Point Hudson Marina in approximate location 48-06-57.580 N, 122-45-00.140 W near Port Townsend. The scope of work will include pile and rock removal, soil excavation, driving of new steel piles, rock placement and dredging of the channel entrance. The marina will be closed during this construction. The project is expected to run from 15 Sep – 01 Mar 2024, Monday – Saturday, 0700 – 1730. Point Hudson Marina Light (LLNR 17535) has been temporarily discontinued due to the construction, and a temporary flashing yellow light (FL Y 6s) has been placed on the corner of the North Breakwater in approximate location, 48-06-58.170 N, 122-44-59.650 W. The crane barge D.B. Petaluma will be on site with several work barges and will monitor VHF-FM channel 16. Mariners are requested to use caution and reduce wake while in the vicinity of the work zone. For more information, contact Bradley Morlock, Project Manager, at (206) 786-3483 or email bmorlock@orionmarinegroup.com.

Chart 18464

LNM: 39/23

**WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – SEATTLE TO BREMERTON – Environmental monitoring buoys**

Puget Sound Restoration Fund is installing research buoys with environmental monitoring instruments at 3 locations in the central Puget Sound:

Tyee Shoal/Wing Point (off Bainbridge Island), 47-37-03.000 N, 122-29-29.040 W.

Point Jefferson (off Indianola), 47-44-30.840 N, 122-29-16.440 W.

Edmonds (north of dive park, Shell Creek) 47-49-13.440 N, 122-22-41.160 W.

**WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – SEATTLE TO BREMERTON – Environmental monitoring buoys**

Each site will have one surface buoy, yellow in color, 2 ft diameter, with flashing yellow light (FL Y (5) 20s). Buoys will be installed on or about 09 Jan 2023 and remain in place until 31 Dec 2024. Mariners are requested to avoid approaching or tying off to the research buoys. For more information, please contact the Restoration Fund at (206) 780-6947 or email [info@restorationfund.org](mailto:info@restorationfund.org).

Charts: 18446 18449

LNM: 49/22

**WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing (Revised from LNM 49/22)**

The Naval Undersea Warfare Center (NUWC) at Keyport, WA is continuing operations in the vicinity of NUWC between University Point, the Brownsville Marina and Keyport through 23 Dec 2024. Operations will normally be conducted Monday through Friday during daylight hours. Operations will involve semisubmersible and submersible vehicles escorted by a small naval craft with a flashing red light. The call sign for the small craft will be "Keyport Range Control" and will monitor VHF-FM channels 12 & 16. 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. For more information contact Keyport Range Control on VHF-FM channels 12 and 16 or by phone at (360) 396-2313.

Chart 18446

LNM: 49/23

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – Scientific research**

The University of Washington will be conducting oceanographic research in the northern portion of Lake Washington between 04 Jan – 01 Mar 2024. Research will involve the deployment of two temporary scientific moorings with surface buoys in approximate locations 47-40-46.260 N, 122-13-49.800 W and 47-40-25.560 N, 122-13-54.240 W. Deployments of the moorings/buoys will be conducted off the R/V Jack Robertson, which will monitor VHF-FM channels 13 and 16, on 04 Jan with recovery occurring before 01 Mar 2024. Both buoys will be marked with a FL Y 4s light. Mariners are requested to keep a safe distance when in the vicinity of the research vessel and the buoys. For more information contact University of Washington POC Jim Thomson at (206) 999-6908 or [jthomson@apl.washington.edu](mailto:jthomson@apl.washington.edu).

Chart 18447

LNM: 48/23

**WASHINGTON – PUGET SOUND – SKAGIT BAY – Wave data buoy deployment**

Western Washington University will collect wave data from a single yellow wave buoy to be deployed just to the south of Kiket Island in Skagit Bay in approximate location 48-25-01.060 N, 122-34-15.355 W. The wave buoy is round and approximately 1.4 ft. in diameter and will be accompanied by an additional orange surface float, approximately 1.4 ft. in diameter. The wave buoy will be attached to the seafloor by an approximately 40-foot-long mooring system comprised of sinking crab pot line and galvanized chain. The buoy deployment is planned for on or about 01 Jan 2024 and will remain deployed 24 hours per day until no later than 31 Dec 2024. The R/V Magister will be used to deploy, inspect, and maintain the buoy and mooring system and will monitor VHF-FM Channels 16 and 13. Mariners are requested to keep a safe distance from the wave buoy. For additional information or to report any issues with the buoy, contact Sam Kastner at (360) 650-8626 or [kastnes@wwwu.edu](mailto:kastnes@wwwu.edu).

Chart 18441

LNM: 39/23

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BELLINGHAM BAY – Marine construction**

Pacific Pile and Marine will begin the Port of Bellingham's Harris Shipyard MCI Pier Fender Pile Replacement project starting 18 Dec and scheduled through 15 Feb 2024. Pacific Pile and Marine will be performing marine construction demo and install activities at the Harris Shipyard MCI Pier in approximate location 48-43-22.35 N, 122-30-52.75 W. These construction activities will include the removal and disposal of multiple creosote pilings and the installation of new 16" diameter steel fender piling. Work hours will be from 0600 to 1800, Monday thru Friday. Pacific Pile and Marine's spud barge "Pamtay" will be equipped with a crane on deck for utilization during fender pile removal and installation operations. The Pamtay will have all four corners marked with white lights. The Pamtay will be lofting long timber piles from the water to the pier and new steel piles from the pier to the water. Mariners are requested to keep at least a 200ft minimum distance from the barge. The Pamtay and support tugs will monitor VHF-FM channel 16. For additional information contact Matthew Miller at (206) 715-7466 or email at [MatthewM@PacificPile.com](mailto:MatthewM@PacificPile.com).

Chart 18424

LNM: 49/23

**SAFETY NOTICE – Navigational Range and Sector Light displays on electronic charts**

The U.S. Coast Guard has become aware that the Range and Sector Light Characteristic labels are not displayed on Electronic Navigational Charts (ENCs) when used in an Electronic Chart Display and Information System (ECDIS) due to limitations of the S-52 ECDIS display specification. Mariners may query the ENC data directly within ECDIS or refer to the Light List for complete information on Range and Sector Light Characteristics.

LNM: 39/22

**OREGON – WASHINGTON – IDAHO – NOAA's planned cancellation of Paper and Raster charts (Revised from LNM 09/21)**

The National Oceanic and Atmospheric Administration (NOAA) is undertaking a multi-year program to end production and maintenance of its suite of over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChart™ PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer. Six months prior to cancellation, a notice of the intent to cancel a specific chart will be provided via a "Last Edition" notice. The final cancellation of a chart will be made via a "Canceled" notice. Both types of notices will appear in LNM Section IV, "Chart Correction." A comprehensive list of all cancelled NOAA charts is available at: <http://www.charts.noaa.gov/MCD/Dole.shtml>. Traditional paper nautical chart production is ending to enable the creation and maintenance of larger scale, more up-to-date, higher quality coverage of NOAA's electronic navigational chart (NOAA ENC®) product. This will significantly enhance the amount of charted detail available to mariners. More information about NOAA's program to sunset traditional paper charts is on the NOAA Coast Survey website at: <https://nauticalcharts.noaa.gov/charts/farewell-to-traditional-nautical-charts.html>.

An online NOAA Custom Chart application at: <https://devgis.charttools.noaa.gov/pod> is available to create chart images from ENC data, which may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts.

LNM: 10/21

**OREGON – WASHINGTON – IDAHO – Farewell to traditional nautical charts**

NOAA is in the process of "sunseting" or ending the production of traditional paper charts. However, even prior to traditional chart production ending, users may notice differences between paper charts and ENCs. There are two broad categories of data that are applied onto NOAA ENCs and paper / raster nautical charts – "Critical Corrections" and "Routine" data. Critical Corrections may be newly discovered shoals or other dangers to navigation, as well as changes in the positions or characteristics of aids to navigation (buoys, beacons, and lights). These are typically changes that are published by the Coast Guard in the weekly LNM. Critical corrections are applied to ENCs first, then applied to paper and raster nautical charts. These changes generally appear on both product types (raster and ENC) within a week of each other. However, new Routine source data are now ONLY applied to NOAA ENCs and not to traditional paper and raster nautical charts. Routine data includes the results of ordinary hydrographic and shoreline surveys, which could be extensive. Any specific dangers revealed during routine surveys are extracted from the data and

**SECTION VIII - LIGHT LIST CORRECTIONS**

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17897	QUILCENE BAY FISH PEN LIGHTS (2)						Remove from list. 04/24 *
17899.1	QUILCENE BAY MUSSEL RAFT LIGHT A						Remove from list. 04/24 *
17899.2	QUILCENE BAY MUSSEL RAFT LIGHT B						Remove from list. 04/24 *
17899.3	QUILCENE BAY MUSSEL RAFT LIGHT C						Remove from list. 04/24 *
17899.4	QUILCENE BAY MUSSEL RAFT LIGHT D						Remove from list. 04/24 *
17899.5	QUILCENE BAY MUSSEL RAFT LIGHT E						Remove from list. 04/24 *
17899.6	QUILCENE BAY MUSSEL RAFT LIGHT F						Remove from list. 04/24 *

**ENCLOSURES**

**Enclosure 1**

OREGON - WASHINGTON - IDAHO - MONTANA - Summary of Bridge Lighting Discrepancies and Corrections

LNM: 04/24

**Enclosure 2**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 04/24

**Enclosure 3**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 04/24

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**

<b>BRIDGE DISCREPANCIES</b>						
<b>Waterway</b>	<b>Light List</b>	<b>Bridge Name</b>	<b>Location</b>	<b>Status</b>	<b>Date Reported</b>	<b>BNM</b>
<b>OREGON COAST</b>						
	9627	Yaquina Bay Highway 101 Bridge	Newport, OR	Protection piers damaged	12/4/2023	None
<b>COLUMBIA RIVER</b>						
	11392	I-205 Highway Bridge (north channel)	Portland, OR	Upriver, center white light extinguished	12/4/2023	None
	11801	Bridge of the Gods	Cascade Locks, OR	Upriver, WA side red pier light extinguished	11/14/2023	None
	11933	Hood River Highway Bridge	Hood River, OR	Emergency openings only - 12 hour advance notice	1/3/2024	None
<b>SNAKE RIVER</b>						
	None					
<b>WILLAMETTE RIVER</b>						
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Up and down river center green lights extinguished	9/28/2022	None
	15155	Marion Street Bridge	Salem, OR	Lights extinguished	12/31/2023	0921-23
	15156	Center Street Bridge	Salem, OR	Lights extinguished	12/31/2023	0922-23
<b>WASHINGTON COAST</b>						
	None					
<b>PUGET SOUND</b>						
	16870.3	Duwamish Railroad Bridge	Seattle, WA	Upriver, red, southwest fender light missing	11/11/2023	0798-23
	16887	1st Ave South Highway Twin Bridge	Seattle, WA	Upriver, red light extinguished. Green span open lights energize before span is fully open	11/11/2023	0799-23
	16888	South Park Street Bridge	Seattle, WA	Clearance gauge not legible	12/2/2022	None
	17205	East 11th Street Bridge	Tacoma, WA	Western fendering system and associated nav lighting destroyed	10/13/2023	0710-23
	18180	Ballard Street Bridge	Seattle, WA	One red light operating at reduced intensity	11/18/2023	0822-23
	18235	University Street Bridge	Seattle, WA	Extinguished	11/18/2023	0824-23
	18240	Montlake Street Bridge	Seattle, WA	Improper characteristics - light not turning green when opened	11/18/2023	0823-23
	18340	Evergreen Point Highway Bridge	Seattle, WA	West span, southwest red pier light reported extinguished	10/27/2023	None
<b>IDAHO</b>						
	20070	Trail of the Coeur D'Alenes Railroad Bridge	Chatcolet, ID	Multiple lights extinguished	10/11/2022	None
<b>BRIDGE CORRECTIONS</b>						
<b>Waterway</b>	<b>Light List</b>	<b>Bridge Name</b>	<b>Location</b>	<b>Status</b>	<b>Date Reported</b>	<b>BNM</b>
<b>OREGON COAST</b>						
	None					
<b>COLUMBIA RIVER</b>						
	None					
<b>SNAKE RIVER</b>						
	None					
<b>WILLAMETTE RIVER</b>						
	None					
<b>WASHINGTON COAST</b>						
	None					
<b>PUGET SOUND</b>						
	None					
<b>IDAHO</b>						
	None					

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

<b>Start Date</b>	<b>End Date</b>	<b>Times</b>	<b>Location</b>	<b>Dredge Vessel</b>	<b>Assist Vessel</b>	<b>Channel monitored</b>	<b>Disposal Area</b>	<b>LNM</b>
13-Dec-23	29-Feb-24	24 Hrs / 7 Days	Columbia River; Astoria Waterfront, Pier 1	M/V Felkins	Sentinel	VHF-FM 13 & 16	TBD	50/23
18-Dec-23	9-Feb-24	24 Hrs / 7 Days	Columbia River; Cathlamet Bay SE side of Tongue Point	M/V Heidi Renee	James T	VHF-FM 13, 16 & 72	IW RM 18	04/24
20-Dec-23	30-Jan-24	0700-1700 Mon-Sat	Columbia River; Hayden Bay Marina (RM 106)	TBD	N/A	VHF-FM 13 & 16	RM 107.5	50/23
12-Jan-24	16-Feb-24	0700-1700 Mon-Sat	Columbia River; Columbia River Marina (RM 109, OR side)	M/V Shark	Little Pushy	VHF-FM 13, 16 & 69	Pipeline to in-water disposal	02/24
13-Nov-23	31-Jan-24	0600-1800 7 days	SJDF; Neah Bay Entrance	M/V Lash-4	None	VHF-FM 13 & 16	Pipeline to south bank	45/23

**USACE dredges request mariners transit at slowest safe speed to minimize wake when in the vicinity of a dredge and proceed with caution after making passing arrangements. Vessel(s) and/or equipment may encroach into the channel.**

# MARINE EVENTS

Enclosure (3)

## SECTOR COLUMBIA RIVER MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
		None	

## SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
27-Jan-23	1130-1430	First of the Season Rally	Lake Washington