



U.S. Department of Homeland Security
United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 13

Week: 14/24

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067
Telephone: (206) 220-7280
Email: D13-SMB-D13-LNM@uscg.mil
https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/
https://www.navcen.uscg.gov/local-notice-to-mariners?district=13+0&subdistrict=

For all Notice to Mariner submissions:
Call (206) 220-7280 or email D13-SMB-D13-LNM@uscg.mil at least two weeks prior to the start of your event or work.

COMDTPUB P16502.6, Light List Volume VI, Pacific Coast and Pacific Islands, 2024 Edition, is available at
https://www.navcen.uscg.gov/sites/default/files/pdf/lightLists/LightList_V6_2024.pdf
Coast Pilot Volume 10, Oregon, Washington, Hawaii and Pacific Islands, 2023 (4th) Edition, is available at
https://www.nauticalcharts.noaa.gov/publications/coast-pilot/files/cp10/CPB10_WEB.pdf

Coast Pilots, along with corrections, are available at: www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html. Print on Demand (POD) copies are available for purchase at: www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot.

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The NIS also disseminates Safety Broadcasts / Broadcast Notice to Mariners (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). LNM, BNMs and other navigation notices can be obtained via e-mail subscription through the USCG Navigation Center website:

https://www.navcen.uscg.gov/subscribe-email-rss-feeds

In addition, the NIS investigates all reports of degradation or loss of GPS service and discrepancies to Aids to Navigation. Mariners are encouraged to report all degradation of radio navigation services, or Aids to Navigation discrepancies to the NIS via phone: (703) 313-5900 or online at: https://www.navcen.uscg.gov/report-a-problem

BROADCAST NOTICE TO MARINERS

Urgent marine navigational and weather information is broadcast over VHF channel 22A (157.1 MHz). Broadcasts are initially announced over the distress, safety and calling channel 16 before they are made on channel 22A. All ships in U.S. waters over 20 meters in length are required to monitor VHF channel 16, and must have radios capable of tuning to the VHF simplex channel 22A. BNM are now available online as well. To view or download District 13 BNMs visit https://www.navcen.uscg.gov/broadcast-notice-to-mariners-search?district=13

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

Table with 3 columns: Originating Unit (CGD THIRTEEN), Beginning BNM (D13-0257-24), Ending BNM (D13-0271-24)

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
Al - Alternating
B - Buoy
BKW - Breakwater
bl - Blast
BNM - Broadcast Notice to Mariner
bu - Blue
C - Canadian
CHAN - Channel
CGD - Coast Guard District
C/O - Cut Off
CONT - Contour
CRK - Creek
CONST - Construction
DAYMK/Daymk - Daymark
DBN/Dbn - Daybeacon
DBD/DAYBD - Dayboard
DEFAC - Defaced

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LTR - Letter

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
RRASS - Remote Radio Activated Sound Signal
s - seconds
SEC - Section

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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

SNAKE RIVER – LOWER GRANITE LAKE – Lower Granite Navigation Lock slower lockage times

Mariners should expect slower than normal lockage times at the Lower Granite Lock while repairs continue on one of the fill valves. Lockage times are expected to take 10 – 15 minutes longer than normal until repairs are complete, which is currently anticipated by 19 Apr 2024. For additional information contact the Lower Granite Operator at (509) 843-2231, call sign WUJ45 Lower Granite, or the NWW Operations Division at (509) 527-7364.

Chart 18548

LNM: 14/24

WASHINGTON – LAKE WASHINGTON SHIP CANAL AND LAKE UNION – Bridge notice

The Coast Guard intends to approve a temporary deviation from the operating schedule that governs three Seattle DOT bridges that cross the Lake Washington Ship Canal in Seattle, WA. The bridges are the Ballard Bridge (LLNR 18180), mile 1.1, the Fremont Bridge (LLNR 18182), mile 2.6, and the University Bridge (LLNR 18235), mile 4.3. The deviation is necessary to accommodate heavier than normal roadway traffic associated with a fireworks display over Lake Union. The bridges will remain in the closed-to-navigation position prior to and after the fireworks display. To facilitate this event, the draws of these bridges will be maintained in the closed-to-navigation positions as follows:

- The Fremont Bridge need not open to marine vessels from 2200 on 04 Jul 2024 to 0130 on 05 Jul 2024.

- The Ballard Bridge and University Bridge need not open to marine vessels from 2130 on 04 Jul 2024 to 0130 on 05 Jul 2024.

Vessels which do not require bridge openings may continue to transit beneath these bridges during the closure periods. The lift spans will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the designated period. If these closures cannot be supported, please submit comments by 19 Apr 2024 at d13-smb-d13-bridges@uscg.mil. For additional information, contact Kit Loo at (206) 684-3669.

Chart 18447

LNM: 14/24

WASHINGTON – PUGET SOUND – PORT GARDNER – Small boat operations

Naval Station Everett will be conducting Force Protection exercises from 02 – 09 Apr 2024, South of Naval Station Everett in Port Gardner, during the following dates and times:

1100 – 1730 on 02 Apr 2024

0800 – 1030 on 03 Apr 2024

0930 – 1300 on 05 Apr 2024

0930 – 1300 on 08 Apr 2024

0800 – 1100 on 09 Apr 2024

Exercise events will occur in an area bound by the following positions:

47-58-51 N, 122-14-15 W

47-58-45 N, 122-14-21 W

47-58-42 N, 122-13-59 W

48-58-35 N, 122-13-49 W

Mariners are requested to remain at least 500 yards away from the area outlined, as well as the grey-hull Navy Security vessels conducting the exercises. Navy Security vessels will be operating at high speeds and utilizing blank ammunition during firing exercises. The Navy Security vessels can be reached on VHF-FM 74, and 16. For additional information contact Clarence Hackney at (425) 304-3130, or email clarence.n.hackney.civ@us.navy.mil.

LNM: 14/24

Chart 18444

OREGON – IDAHO – GPS testing

US Strategic Command is conducting GPS testing encompassing the majority of southern and central Idaho, eastern Oregon, and northern Nevada, and parts of southwestern Montana and western Wyoming. The center point of the test will be near Idaho Falls, ID, at position 43-34-18 N, 112-58-18 W with a radius of 306 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Pacific Daylight Time as local time:

- 1400 – 1700 on 08 – 12 Apr 24
- 1200 – 1700 on 13 – 14 Apr 24
- 1400 – 1700 on 15 – 19 Apr 24
- 1200 – 1700 on 20 Apr 24

For additional information or to express concerns, contact the Coast Guard Navigation Center at (703) 313-5900 or at <https://www.navcen.uscg.gov/gps-service-interruptions>.

LNM: 14/24

COLUMBIA RIVER – PORT OF PORTLAND – OREGON SLOUGH

The overhead power cables crossing Oregon Slough between Hayden Island and North Portland in approximate position 45-37-32.5 N, 122-43-31.0 W, were damaged due to a collision. The cables have been raised, but their height above the waterway has not been verified, and mariners should assume that the cables are not at their authorized clearance of 160 feet.

Chart 18526

LNM: 13/24

SNAKE RIVER – USACE Walla Walla District 2024 Minimum Operating Pool (MOP) operations and spring spill operations

From April through August 2024, the lower Snake River reservoirs will operate within the Minimum Operating Pool (MOP) ranges. During this time, all lower Snake and lower Columbia River dams will spill for fish passage in accordance with the 2024 Fish Operations Plan. The Fish Operations Plan is posted on the following website: <https://pweb.crohms.org/tmt/documents/fpp/2024/> MOP ranges for each Snake River pool are listed below. (Elevations are in feet using NGVD 29 datum):

- Ice Harbor, Lake Sacajawea – 437-438.5
- Lower Monumental, Lake Herbert G. West – 537-538.5
- Little Goose, Lake Bryan – 633-634.5
- Lower Granite, Lower Granite Lake – 733-734.5

Due to recent changes in fish passage spill requirements, USACE anticipates a higher rate of discharge through the spillways compared to previous years, and river navigators may experience strong currents and eddies in the dam tailraces and forebays. If navigators believe river conditions inhibit safe navigation to or from a lock, they may request a temporary adjustment to spill using the contact information below. Contact with lock and dam shift operators should be initiated no later than 30 minutes prior to arriving at the lock, as a requested redistribution or reduction of spill may take as long as 30 minutes to attenuate. Additionally, downstream departures may be delayed for the requested spill change to be implemented and take effect.

- McNary Operator at (541) 922-2231. Call Sign WUJ41 McNary.
- Ice Harbor Operator at (509) 543-3231. Call Sign WUJ42 Ice Harbor.
- Lower Monumental Operator at (509) 282-7231. Call Sign WUJ43 Lower Monumental.
- Little Goose Operator at (509) 399-2233 x231. Call Sign WUJ44 Little Goose.
- Lower Granite Operator at (509) 843-2231. Call Sign WUJ45 Lower Granite.

Navigators are encouraged to contact dam operators and report any unsafe navigation conditions. District staff will evaluate the effects of this year's operations in conjunction with feedback from river users and coordinate adjustments to spillway gate positioning as appropriate. For additional information contact the NWW Operations Division at (509) 527-7364.

Charts: 18545 18546 18547 18548

LNM: 13/24

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – Bridge Notice

The Coast Guard intends to approve two temporary deviations from the normal operating schedule that governs the Steel Railroad-Highway Bridge (LLNR 14955.3) across the Willamette River, RM 12.1. The Steel Bridge need not open the upper lift to marine traffic for the dates and times listed below. These deviations support Rose Festival Parade events. The lower lift span of the Steel Bridge operates in accordance with 33 CFR 117.5 (open on single). When the lower lift is in the closed-to-navigation position, the bridge provides 26 feet of vertical clearance above Columbia River Datum 0.0; and in the open-to-navigation position with the upper lift in the closed-to-navigation position, the vertical clearance is 71 feet above Columbia River Datum 0.0. The Steel Bridge will be able to open the lower deck, and the upper deck if required, for emergencies. This part of the Willamette River does not have an immediate alternate route for vessels to pass. Vessels able to pass through the Steel Bridge with the lower deck in the closed or open-to-navigation position, or the upper deck in the closed-to-navigation position may do so at any time. The normal operating schedule for the Steel Bridge upper lift is in accordance with 33 CFR § 117.897(c)(3)(ii).

Scheduled events / times of approved deviations:

- Rose Festival Starlight Parade from 1900 – 2330 on 01 Jun 2024;
- Rose Festival Grand Floral Parade from 0700 – 1300 on 08 Jun 2024.

If any mariner cannot support these deviation requests, please submit comments by 12 Apr 2024 at d13-smb-d13-bridges@uscg.mil. For more information on the closures of the Steel Bridge contact Keith Wagner at kwagner@UP.COM.

Chart 18526

LNM: 13/24

WASHINGTON – SNAKE RIVER - SR 12 Highway Bridge Inspection

WSDOT personnel will be inspecting the SR 12 Highway Bridges (LLNRs 13113 and 13113.5) that span the Snake River in Pasco, and Burbank, WA. The inspections will take place from 22 – 26 Apr 2024 between 0700 – 1330. The bridge will be inspected using two Under-Bridge Inspection Trucks (UBITs) that occupy a portion of the roadway and may reduce the vertical clearance up to 10 feet. Mariners are advised to use caution while transiting the area. For additional information, contact Amir Saleh (818) 689-9425 or Saleha@wsdot.wa.gov.

Chart 18545

LNM: 13/24

WASHINGTON – COWLITZ RIVER – Bridge notice

Utility work is planned on State Route 411 Castle Rock Bridge located in Castle Rock, WA, across the Cowlitz River at river mile 17.4. Deck replacement will take place Monday through Friday between 0700 – 1700 from 08 Apr until 14 Jun 2024. The project requires six feet of containment to be installed below the subject bridge's middle 50 feet section. The SR-411 Bridge has a vertical clearance of 8.6 feet at high tide. The subject bridge provides 28 feet of vertical clearance at low tide. A UBIT will be used to assist work efforts under the bridge. The UBIT can lower the vertical clearance to 18 feet at low tide. The UBIT and containment will be equipped with flashing amber lights. For additional information, contact Mark Guz at (360) 518-4464 or mark.guz@lumen.com.

LNM: 13/24

WASHINGTON – SAN JUAN ISLANDS AND PUGET SOUND – Scientific research activities

The Washington State Department of Ecology's (DOE) Puget Sound Ecosystem Monitoring Program (PSEMP) Sediment Monitoring Component will conduct annual sediment and benthic invertebrate sampling from 01 – 23 Apr 2024 through out Puget Sound aboard the R/V Salish SeaCat, a 32 ft gray and blue research vessel which can be hailed on VHF-FM channels 13 and 16. The sediment sampling consists of taking 2-3 sediment grabs at 50 sampling locations, which are displayed with approximate dates on the graphic included as Enclosure (4) in this LNM. The PSEMP project goal is to provide easily accessed, high-quality data and information to assist the Puget Sound Partnership, managers, tribes, and others in evaluating the overall condition of Puget Sound sediments. As well as to document change in benthic condition over time in response to inputs of carbon, nutrients, and chemicals to the system, and in response to climate-related pressures. From the project's webpage, you may download and view Puget Sound sediment data, Quality Assurance Project Plans, story maps and publications at <https://ecology.wa.gov/Water-Shorelines/Puget-Sound/Sound-science/Marine-sediments>. If you have any questions or concerns about this work, please contact Sandra Weakland at (360) 688-6420 or email sgei461@ecy.wa.gov.

Charts: 18421 18440

LNM: 13/24

WASHINGTON – PUGET SOUND – PORT HADLOCK – Indian Island small boat exercises

The Navy will conduct tactical boat operations on 10 Apr 2024 on the water along the western side of US Naval Magazine Indian Island, during the hours of 0800 – 1600. The exercise area is located from the southern portion of Crane Point at 48-02-55.352N, 122-44-31.121W extending westward to 48-02-55.352N, 122-44-52.674W, extending NNW to 48-04-19.272N, 122-45-36.436W, and extending to the N and NE encompassing 500 meters standoff from the Portable Security Barrier (PSB) system to Walan Point. Potential hazards will include three 33-foot Police boats, grey in color with blue lights flashing conducting high-speed maneuvers intercepting surface vessels performing simulated attacks on the waterfront of Indian Island. Military Police personnel will be using machine guns with blank fire to repel simulated hostile forces. This training area is restricted to U.S. Navy, Coast Guard and Jefferson County Sheriff vessels during the above-mentioned times. It is required that all vessels maintain a safe distance in all directions from the northern edge of the Ammunition Pier extending from Walan Point extending westward to the identified coordinates and south of Crane Point area as well as 500 yards from the vessels engaged in exercises. Vessels involved in the exercise can be contacted on VHF-FM channels 69, 71 and 16. For more information, contact Naval Magazine Indian Island, Bryan Davies at (360) 471-2220 or email at bryan.a.davies2.mil@us.navy.mil.

Chart 18464

LNM: 13/24

WASHINGTON – LAKE WASHINGTON SHIP CANAL – UNION BAY REACH – Bridge Deviation

The Coast Guard intends to approve a temporary deviation from the operating schedule that governs the University Street Bridge (LLNR 18235), mile 4.3, across the Lake Washington Ship Canal, at Seattle, Washington. The deviation period is from 0815 to 0930 on 19 May 2024. This deviation allows the draw span to remain in the closed-to-navigation position and need not open to marine traffic for the Beat-the-Bridge foot race. Vessels which do not require bridge openings may continue to transit beneath the bridge during the closure period. The subject bridge will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the designated date/time. Please submit comments or objections to d13-smb-d13-bridges@uscg.mil by 07 Apr 2024. For information contact Alyssa Escobedo at (206) 684-5197 or Alyssa.escobedo@seattle.gov.

Chart 18447

LNM: 13/24

WASHINGTON – LAKE WASHINGTON SHIP CANAL – UNION BAY REACH - Montlake Bridge notice

The Coast Guard intends to approve a temporary deviation from the operating schedule that governs the Montlake Street Bridge (LLNR 18240) across the Lake Washington Ship Canal, mile 5.2, at Seattle, WA. This deviation is necessary to accommodate the University of Washington graduation ceremony. The draw of the Montlake Bridge need not open for marine vessels from 1030 to 1430 and from 1630 to 1830 on 08 Jun 2024. The Montlake Bridge in the closed-to-navigation position provides 30 feet of vertical clearance throughout the navigation channel, and 46 feet of vertical clearance throughout the center 60 feet of the bridge; vertical clearance references to the Mean Water Level of Lake Washington. 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 for emergencies, and there is no immediate alternate route for vessels to pass. The normal operating schedule for the Montlake Bridge operates in accordance with 33 CFR § 117.1051(e). If any mariner cannot support this deviation request, please submit comments by 12 Apr 2024 at d13-smb-d13-bridges@uscg.mil. For more information on these bridge closures contact Colleen Kelly at kellyc@wsdot.wa.gov.

Chart 18447

LNM: 13/24

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – Bridge Notice

The Coast Guard has approved a temporary bridge deviation from the operating schedule that governs the SR 529 Highway Bridge across the Snohomish River. This deviation supports needed bridge repairs. SR 529 Highway Bridge (NB) (LLNR 18591.3) crosses the Snohomish River, mile 3.6, at Everett, WA, and is authorized to remain in the closed-to-navigation position from 13 May – 08 Nov 2024. Working hours may vary, but the hours will be 10 to 12 hours per day. Expect work to be during the daytime but can be extended to nighttime work. Five feet of containment will be installed below the bridge, and the draw's altered vertical clearance will be 48 feet above high tide with the span locked open 15 feet high. Fall hazards may be present during working hours. An alternate route for vessels to use during this deviation period is via Union Slough. For more information on this event contact Tom Galouzis at (330) 550-0614 or TG@LibertyMaintenanceInc.com.

Chart 18444

LNM: 13/24

OREGON – WASHINGTON – IDAHO – GPS testing

US Strategic Command is conducting GPS testing encompassing the majority of southern and central Idaho, eastern Oregon, and northern Nevada. The center point of the test will be near Twin Falls, ID, at position 42-40-03.6 N, 115-32-15.0 W with a radius of 372 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Pacific Daylight Time as local time:

1700 – 2000 on 26 – 29 Mar 24

1700 – 2000 on 02 – 05 Apr 24

For additional information or to express concerns, contact the Coast Guard Navigation Center at (703) 313-5900 or at <https://www.navcen.uscg.gov/gps-service-interruptions>.

LNM: 13/24

OREGON – WASHINGTON – CAPE BLANCO TO DESTRUCTION ISLAND – Offshore research buoy servicing

Oregon State University will be conducting water sampling and servicing at the following research buoy locations from 28 Mar – 12 Apr 2024:

OSU Waldport Offshore Research Lighted Buoy (LLNR 651): 44-22-15.000 N, 124-56-52.500 W

Lincoln City Offshore research site: 44-32-17.228 N; 125-29-02.760 W

OSU Newport Shelf Research Lighted Buoy (LLNR 651.5): 44-38-20.040 N, 124-18-13.680 W

OSU Nye Beach Research Lighted Buoy (LLNR 653): 44-39-30.168 N, 124-05-44.592 W

OSU Grays Canyon Research Lighted Buoy (LLNR 727): 46-51-06.001 N, 124-58-00.012 W

OSU Westport Offshore Research Lighted Buoy (LLNR 728): 46-51-06.000 N, 124-57-50.000 W

OSU Westport Shelf Research Lighted Buoy (LLNR 728.5): 46-59-10.500 N, 124-33-58.620 W

OSU Copalis Head Research Lighted Buoy (LLNR 730): 47-07-59.988 N, 124-16-17.760 W

The work will be conducted off the R/V Sikuliaq, which will monitor VHF-FM channels 16 and 13. This work will be conducted 24 hours a day until completed, and vessels are requested to stay well clear of the research vessel during operations. For more information, contact Edward Dever, (541) 908-2119, or Edward.Dever@oregonstate.edu.

Charts: 18500 18561 18580

LNM: 12/24

WASHINGTON – STRAIT OF JUAN DE FUCA AND STRAIT OF GEORGIA AND PUGET SOUND – Bottom Trawl survey

From 29 Apr through 23 May 2024, the Washington Department of Fish and Wildlife (WDFW) Marine Fish Science (MFS) Unit and the Toxics-focused Biological Observation System (TBIOS) Team will conduct their annual, joint bottom trawl survey to assess marine fish living in the waters of Puget Sound, including the Strait of Juan de Fuca, Strait of Georgia, San Juan Archipelago, Hood Canal, Central Sound, and South Sound regions. The vessel chartered by WDFW for the survey is the F/V Chasina, a 58-foot seiner/trawler (call sign WYQ-6987), with red hull and red and white superstructure, which will carry WDFW RESEARCH placards posted on both sides of the upper deck. The survey will visit 51 science locations throughout the region. For more information on WDFW's MFS unit and the bottom fish programs, visit <https://wdfw.wa.gov/species-habitats/species/bottomfish> or contact Jennifer Blaine at (425) 379-2313 (office) or (425) 231-9476 (cell) or email at Jennifer.Blaine@dfw.wa.gov.

Charts: 18400 18421 18440 18441

LNM: 12/24

WASHINGTON – PUGET SOUND – HOOD CANAL – Fisheries Research

NOAA Fisheries (Northwest Fisheries Science Center) has deployed acoustic receivers in the vicinity of the Hood Canal Bridge (LLNR 17769) during the week of 17 Mar 24. Receivers will listen for, and record detections of salmonids implanted with acoustic transmitters. Deployment locations fall between Twin Spits and 300 meters south of the Hood Canal Bridge, but mostly within 100 meters of the bridge. Moorings will remain in place through September of 2024, and it is requested that mariners avoid disturbance to the seafloor in these areas so as not to dislodge or damage receivers. For additional information, contact the Chief Scientist at (206) 949-7723.

Charts: 18458 18473

LNM: 12/24

WASHINGTON – LAKE WASHINGTON SHIP CANAL – UNION BAY REACH - Montlake Street Bridge Inspection

WSDOT will be inspecting the Montlake Street Bridge (LLNR 18240) that spans the Union Bay Reach in Seattle, WA. The inspection will take place between 0530 and 1300 on 06 and 07 Apr 2024. The bridge will be inspected using an under-bridge inspection truck (UBIT) that occupies a portion of the roadway and extends a boom under the bridge. There is moderate impact to navigational clearance from this operation, with a 10 foot reduction to clearance. The UBIT bucket will have a flashing orange light on the bottom and will give way to marine vessels as needed. Bridge openings will occur as needed, with a short delay for moving equipment on the bridge. Mariners are advised to use caution while transiting the area. For additional information, contact Ryan Collins, P.E. at (564) 200-2085 or email collinsr@wsdot.wa.gov.

LNM: 12/24

Chart 18447

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – CASCADE RAPIDS – Cascade Locks Bridge notice

Emergency bridge repairs will occur on the Cascade Locks Bridge that connects the Port of Cascades and Thunder Island on the old navigational lock channel at Columbia River mile 148.5 from 11 Mar 2024 – 22 Apr 2024. Working hours will be during daylight hours only. A movable 10' x 10' scaffold will reduce the vertical clearance from 16 feet to 11 feet above pool elevation 73.5 feet. A safety boat will be in the waterway the day of scaffolding installation and removal. Caution signs will be placed at each end of the lock channel. For additional information Contact Parker Nelson, Port of Cascade Locks Operations Manager at (541) 645-0096 or email pnelson@portofcascadelocks.org.

Chart 18532

LNM: 11/24

OREGON – WASHINGTON – IDAHO – NOAA’s ongoing cancellation of Paper and Raster nautical charts (Revised from LNM 10/21)

The National Oceanic and Atmospheric Administration (NOAA) is in the middle of 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 cancelation, a notice of the intent to cancel a specific chart will be provided via a "Last Edition" notice. The final cancelation 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.

Mariners are warned that 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 / 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 classified as Critical Corrections to be applied to all products. For more information visit NOAA’s website: <https://nauticalcharts.noaa.gov/charts/farewell-to-traditional-nautical-charts.html>.

LNM: 06/24

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
580	Port Orford Entrance Lighted Buoy 1	LT EXT	18600	0121-24	07/24	
595	Cape Blanco Light	LT IMCH/REDUCED INT	18580	0086-23	52/23	
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	
8735	Coos Bay Entrance Lighted Bell Buoy 1	SINKING	18587	0262-24	14/24	
9346	Leeds Island Range Front Light	LT EXT	18584	0851-23	49/23	
9817	Tillamook Bay Entrance Lighted Buoy 2	MISSING	18558	0040-24	03/24	
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
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
14990	Stevens Point Buoy 5	OFF STA	18526	0071-24	05/24
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
16225	Race Rocks Light (C)	SS INOP	18465	0084-24	05/24
17225	Point Evans Light 4	LT EXT	18474	0238-24	12/24
17595	Kilisut Harbor Buoy 2	MISSING	18464	0126-23	05/23
19001	Cap Sante Waterway Buoy 3	OFF STA	18427	0168-24	09/24
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
9980	Desdemona Sands Channel Lighted Bell Buoy 20	RELIGHTED	18521	0257-24	13/24	14/24
10755	Longview Channel Lighted Buoy 17	RELIGHTED	18524	None	14/24	14/24

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
17168	Blair Waterway Light 5	LT EXT	18453	0243-24	12/24	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

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
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
None					

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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						
(Temp)	ADD	NATIONAL DOCK CHANNEL BUOY 3			CGD01	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.

50 **9th Ed.** **01-DEC-15** **Last LNM: 34/22** **NAD 83** **14/24**

Chart Title: North Pacific Ocean (eastern part) Bering Sea Continuation

Main Panel 2400 NORTH PACIFIC OCEAN EASTERN PART. Page/Side: A

LAST EDITION No new editions of chart 50 will be published. It will be canceled on 04-Sep-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 --

501 **13th Ed.** **01-JUN-09** **Last LNM: 31/22** **NAD 83** **14/24**

Chart Title: North Pacific Ocean West Coast Of North America Mexican Border To Dixon Entrance

Main Panel 1650 MEXICAN BORDER TO DIXON ENTRANCE. Page/Side: N/A

LAST EDITION No new editions of chart 501 will be published. It will be canceled on 04-Sep-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 --

530 **35th Ed.** **01-DEC-15** **Last LNM: 34/22** **NAD 83** **14/24**

Chart Title: North America West Coast San Diego to Aleutian Islands and Hawai'ian Islands

Main Panel 2405 SAN DIEGO TO ALEUTIAN ISLANDS AND HAWAIIAN ISLANDS. Page/Side: A

LAST EDITION No new editions of chart 530 will be published. It will be canceled on 04-Sep-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 --

18421 **53rd Ed.** **01-MAR-19** **Last LNM: 04/19** **NAD 83** **14/24**

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	14/24
<i>ChartTitle: Bellingham Bay;Bellingham Harbor</i>					
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	14/24
<i>ChartTitle: Anacortes to Skagit Bay</i>					
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	14/24
<i>ChartTitle: Oak and Crescent Harbors</i>					
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	14/24
<i>ChartTitle: Rosario Strait to Cherry Point</i>					
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 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 -- --					
18440	31st Ed.	01-APR-17	Last LNM: 42/19	NAD 83	14/24
<i>ChartTitle: Puget Sound</i>					
Main Panel 1688 PUGET SOUND - -. Page/Side: -					
CHANGE	Puget Sound Traffic Separation Lane Lighted Buoy SF Delete RACON.				CGD13 at 47-45-54.532N 122-26-15.447W
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 .					
NOS -- --					
18441	49th Ed.	01-APR-20	Last LNM: 48/17	NAD 83	14/24
<i>ChartTitle: Puget Sound-northern part</i>					
Main Panel 1689 PUGET SOUND - NORTHERN PART - -. Page/Side: -					
CHANGE	Puget Sound Traffic Separation Lane Lighted Buoy SF Delete RACON.				CGD13 at 47-45-54.532N 122-26-15.447W
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 .					
NOS -- --					
18443	17th Ed.	01-JAN-10	Last LNM: 40/16	NAD 83	14/24
<i>ChartTitle: Approaches to Everett</i>					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .			NOS --	--
18444	17th Ed.	01-NOV-09	Last LNM: 51/16	NAD 83		14/24
	<i>ChartTitle: Everett Harbor</i>					
	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		14/24
	<i>ChartTitle: Puget Sound-Apple Cove Point to Keyport;Agate Passage</i>					
	CHART WA - PUGET SOUND - APPLE COVE POINT TO KEYPORT. Page/Side: N/A					
	CHANGE	Puget Sound Traffic Separation Lane Lighted Buoy SF Delete RACON.			CGD13 at 47-45-54.532N	122-26-15.447W
	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		14/24
	<i>ChartTitle: Lake Washington Ship Canal and Lake Washington</i>					
	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		14/24
	<i>ChartTitle: Puget Sound-southern part</i>					
	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		14/24
	<i>ChartTitle: Puget Sound-Seattle to Bremerton</i>					
	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		14/24
	<i>ChartTitle: Seattle Harbor, Elliott Bay and Duwamish Waterway</i>					
	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	14/24
<i>ChartTitle: Sinclair Inlet</i>					
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	14/24
<i>ChartTitle: Tacoma Harbor</i>					
Main Panel 1716 TACOMA HARBOR. Page/Side: N/A					
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 .					
				NOS	--
18456	21st Ed.	01-NOV-10	Last LNM: 43/17	NAD 83	14/24
<i>ChartTitle: Olympia Harbor and Budd Inlet</i>					
Main Panel 1717 OLYMPIA HARBOR AND BUDD INLET. Page/Side: N/A					
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 .					
				NOS	--
18458	17th Ed.	01-OCT-10	Last LNM: 26/15	NAD 83	14/24
<i>ChartTitle: Hood Canal-South Point to Quatsap Point including Dabob Bay</i>					
Main Panel 1719 HOOD CANAL TO QUATSAP POINT INCLUDING DABOB BAY. Page/Side: N/A					
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 .					
				NOS	--
18460	14th Ed.	01-JAN-13	Last LNM: 42/17	NAD 83	14/24
<i>ChartTitle: Stait of Juan de Fuca Entrance</i>					
Main Panel 1720 STRAIT OF JUAN DE FUCA ENTRANCE. Page/Side: E					
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 .					
				NOS	--
18464	25th Ed.	01-JUL-06	Last LNM: 51/21	NAD 83	14/24
<i>ChartTitle: Port Townsend</i>					
Main Panel 1722 PORT TOWNSEND. Page/Side: N/A					
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 .					
				NOS	--
18465	39th Ed.	01-OCT-11	Last LNM: 14/17	NAD 83	14/24
<i>ChartTitle: Strait of Juan de Fuca-eastern part</i>					
Main Panel 1723 STRAIT OF JUAN DE FUCA EASTERN PART. Page/Side: N/A					
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 .					
				NOS	--
18468	19th Ed.	01-SEP-12	Last LNM: 51/16	NAD 83	14/24
<i>ChartTitle: Port Angeles</i>					

Main Panel 1725 PORT ANGELES. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18471 11th Ed. 01-DEC-07 Last LNM: 51/21 NAD 83 14/24
ChartTitle: Approaches to Admiralty Inlet Dungeness to Oak Bay

Main Panel 1724 APPROACHES TO ADMIRALTY INLET - DUNGENESS TO OAK BAY. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18473 10th Ed. 01-APR-20 Last LNM: 48/17 NAD 83 14/24
ChartTitle: Puget Sound-Oak Bay to Shilshole Bay

Main Panel 1937 OAK BAY TO SHILSHOLE BAY PUGET SOUND - -. Page/Side: -

CHANGE Puget Sound Traffic Separation Lane Lighted Buoy SF at 47-45-54.532N 122-26-15.447W CGD13

DELETE RACON. 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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18474 11th Ed. 01-DEC-15 Last LNM: 49/18 NAD 83 14/24
ChartTitle: Puget Sound-Shilshole Bay to Commencement Bay

Main Panel 1679 PUGET SOUND SHILSHOLE BAY TO COMMENCEMENT BAY. Page/Side: A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18484 12th Ed. 01-JUN-06 Last LNM: 42/17 NAD 83 14/24
ChartTitle: Neah Bay

Main Panel 1728 NEAH BAY. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18485 17th Ed. 01-JAN-13 Last LNM: 42/17 NAD 83 14/24
ChartTitle: Cape Flattery

Main Panel 1729 CAPE FLATTERY. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18502 88th Ed. 01-FEB-17 Last LNM: 23/21 NAD 83 14/24
ChartTitle: Grays Harbor;Westhaven Cove

Main Panel 1731 GRAYS HARBOR. Page/Side: A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. NOS -- --

18521 77th Ed. 01-MAR-19 Last LNM: 22/21 NAD 83 14/24

ChartTitle: Columbia River Pacific Ocean to Harrington Point;Ilwaco Harbor

Main Panel 1737 COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT - -. Page/Side: -

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18523 58th Ed. 01-NOV-13 Last LNM: 47/17 NAD 83 14/24

ChartTitle: Columbia River Harrington Point to Crims Island

Main Panel 1739 COLUMBIA RIVER HARRINGTON POINT TO CRIMS ISLAND. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18524 38th Ed. 01-NOV-17 Last LNM: 51/21 NAD 83 14/24

ChartTitle: Columbia River Crims Island to Saint Helens

Main Panel 1740 COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS - -. Page/Side: -

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18526 61st Ed. 01-OCT-20 Last LNM: 40/20 NAD 83 14/24

ChartTitle: Port of Portland, Including Vancouver;Multnomah Channel-southern part

Main Panel 1743 PORT OF PORTLAND INCLUDING VANCOUVER - -. Page/Side: -

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18531 24th Ed. 01-DEC-17 Last LNM: 53/19 NAD 83 14/24

ChartTitle: Columbia River Vancouver to Bonneville; Bonneville Dam

Main Panel 1750 COLUMBIA RIVER VANCOUVER TO BONNEVILLE - -. Page/Side: -

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18532 21st Ed. 01-MAY-06 Last LNM: 17/19 NAD 83 14/24

ChartTitle: Columbia River Bonneville To The Dalles; The Dalles; Hood River

CHART OR - WA - BONNEVILLE TO THE DALLES. Page/Side: N/A

CGD13

CHANGE Bonneville Pool Light 48 at 45-42-04.479N 121-21-55.375W
Nominal range to 4M.

Inset 1754 HOOD RIVER. Page/Side: N/A

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 <https://www.charts.noaa.gov/MCD/Dole.shtml>. --

18533 12th Ed. 01-SEP-04 Last LNM: 22/16 NAD 83 14/24

ChartTitle: Columbia River Lake Celilo

Main Panel 1757 COLUMBIA RIVER LAKE CELILO. Page/Side: N/A

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

18535	12th Ed.	01-AUG-04	Last LNM: 21/16	NAD 83	14/24
<i>ChartTitle: Columbia River John Day Dam to Blalock</i>					
Main Panel 1759 COLUMBIA RIVER JOHN DAY DAM TO BLALOCK. Page/Side: N/A					
NOS					
LAST EDITION No new editions of chart 18535 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 .					
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18536	12th Ed.	01-JUN-18	Last LNM: 04/15	NAD 83	14/24
<i>ChartTitle: Columbia River Sundale to Heppner Junction</i>					
Main Panel 1761 COLUMBIA RIV SUNDALE-HEPPNER JCT - -. Page/Side: -					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18537	12th Ed.	01-DEC-15	Last LNM: 13/17	NAD 83	14/24
<i>ChartTitle: Columbia River Alderdale to Blalock Islands</i>					
Main Panel 1763 COLUMBIA RIVER ALDERDALE TO BLALOCK ISLANDS. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18539	9th Ed.	01-MAR-04	Last LNM: 35/16	NAD 83	14/24
<i>ChartTitle: Columbia River Blalock Islands to McNary Dam</i>					
Main Panel 1765 COLUMBIA RIVER BLALOCK ISLANDS TO MCNARY DAM. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18541	9th Ed.	01-AUG-18	Last LNM: 43/16	NAD 83	14/24
<i>ChartTitle: Columbia River-McNary Dam to Juniper</i>					
Main Panel 1767 COLUMBIA RIV MCNARY DAM-JUNIPER - -. Page/Side: -					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18542	10th Ed.	08-JAN-00	Last LNM: 37/16	NAD 83	14/24
<i>ChartTitle: Columbia River Juniper to Pasco</i>					
Main Panel 1769 COLUMBIA RIVER JUNIPER TO PASCO. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18543	2nd Ed.	01-DEC-03	Last LNM: 10/14	NAD 83	14/24
<i>ChartTitle: Columbia River Pasco to Richland</i>					
Main Panel 2937 COLUMBIA RIVER, PASCO TO RICHLAND. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .					
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18545	15th Ed.	01-SEP-03	Last LNM: 22/16	NAD 83	14/24
<i>ChartTitle: Lake Sacajawea</i>					
Main Panel 1771 SNAKE RIVER LAKE SACAJAWEA SIDE A. Page/Side: A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18546	10th Ed.	01-FEB-04	Last LNM: 08/17	NAD 83	14/24
<i>ChartTitle: Snake River-Lake Herbert G. West</i>					
Main Panel 1773 SNAKE RIVER LAKE HERBERT G WEST SIDE A. Page/Side: A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18547	9th Ed.	01-JAN-16	Last LNM: 40/17	NAD 83	14/24
<i>ChartTitle: Snake River-Lake Bryon</i>					
Main Panel 1776 SNAKE RIVER LAKE BRYAN. Page/Side: A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18548	5th Ed.	01-DEC-02	Last LNM: 10/17	NAD 83	14/24
<i>ChartTitle: Snake River-Lower Granite Lake FRANKLIN D. ROOSEVELT LAKE</i>					
Main Panel 1778 SNAKE RIVER LOWER GRANITE LAKE SIDE A. Page/Side: A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18554	8th Ed.	01-MAY-10	Last LNM: 47/13	NAD 83	14/24
<i>ChartTitle: Lake Pend Oreille</i>					
Main Panel 1786 LAKE PEND OREILLE. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18558	39th Ed.	01-SEP-12	Last LNM: 33/17	NAD 83	14/24
<i>ChartTitle: Tillamook Bay</i>					
Main Panel 1788 TILLAMOOK BAY. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18561	13th Ed.	01-DEC-11	Last LNM: 30/20	NAD 83	14/24
<i>ChartTitle: Approaches to Yaquina Bay;Depoe Bay</i>					
Main Panel 1789 APPROACHES TO YAQUINA BAY. Page/Side: N/A					
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 https://www.charts.noaa.gov/MCD/Dole.shtml .	NOS	--	--	
18581	19th Ed.	01-OCT-11	Last LNM: 30/20	NAD 83	14/24
<i>ChartTitle: Yaquina Bay and River;Continuation of Yaquina River</i>					

Main Panel 1792 YAQUINA BAY AND RIVER. Page/Side: N/A

LAST EDITION No new editions of chart 18581 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 -- --

18583 40th Ed. 01-OCT-11 Last LNM: 33/17 NAD 83 14/24
ChartTitle: 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 -- --

18584 48th Ed. 01-MAY-07 Last LNM: 37/17 NAD 83 14/24
ChartTitle: Umpqua River Pacific Ocean to Reedsport

Main Panel 1795 UMPQUA RIVER PACIFIC OCEAN TO REEDSPORT. Page/Side: N/A

LAST EDITION No new editions of chart 18584 will be published. It will be canceled on 31-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 -- --

18587 71st Ed. 01-APR-11 Last LNM: 43/19 NAD 83 14/24
ChartTitle: Coos Bay

Main Panel 1796 COOS BAY. Page/Side: N/A

LAST EDITION No new editions of chart 18587 will be published. It will be canceled on 31-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 -- --

18588 37th Ed. 01-APR-03 Last LNM: 28/18 NAD 83 14/24
ChartTitle: Coquille River Entrance

Main Panel 1797 COQUILLE RIVER ENTRANCE. Page/Side: N/A

LAST EDITION No new editions of chart 18588 will be published. It will be canceled on 31-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 -- --

18601 14th Ed. 01-FEB-07 Last LNM: 27/18 NAD 83 14/24
ChartTitle: Cape Sebastian to Humbug Mountain

Main Panel 1801 CAPE SEBASTIAN TO HUMBUG MOUNTAIN. Page/Side: N/A

LAST EDITION No new editions of chart 18601 will be published. It will be canceled on 31-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 -- --

18602 13th Ed. 01-FEB-12 Last LNM: 24/17 NAD 83 14/24
ChartTitle: Pyramid Point to Cape Sebastian;Chetco Cove;Hunters Cove

Main Panel 1802 PYRAMID POINT TO CAPE SEBASTIAN. Page/Side: N/A

LAST EDITION No new editions of chart 18602 will be published. It will be canceled on 31-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 -- --

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)

None

Project Date

Ref. LNM

Advance Notice(s)

OREGON – UMPQUA RIVER – YAQUINA BAY – Disestablishment of Seasonal Sound Signals at Umpqua River and Yaquina Bay

The U.S. Coast Guard will not be commissioning the seasonal Sound Signals at Umpqua River South Jetty Sound Signal (LLNR 9247) and Yaquina Bay South Jetty Sound Signal (LLNR 9607) in May of 2024 and will be permanently disestablishing them. These signals are no longer considered necessary for safe navigation of the waterway and the US Coast Guard is discontinuing their use commencing with the 2024 spring installation.

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: 18561 18584

LNM: 07/24

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 (FI 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 – 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 topmark from Blakely Island Shoal Isolated Danger Lighted Buoy DS (LLNR 19430). This action is due to recurring damage of the topmark 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.

Charts: 18421 18448

LNM: 02/24

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 2024 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.

Chart 18421

LNM: 11/23

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			

Proposed Change Notice(s)

COLUMBIA RIVER – HARRINGTON POINT TO CRIMS ISLAND – Change in the arc of visibility for Skamokawa Range Rear Light

The lighting equipment for Skamokawa Range Rear Light (LLNR 10360) is becoming obsolete and subject to failure. To facilitate the replacement of this light, the replacement equipment will reduce the arc of visibility from 14° each side of the range line to 9°. The overall intensity of the light will increase to match the characteristic of Skamokawa Range Front Light (LLNR 10355). This reduction in the spread of the light will prevent it from being seen when transiting towards the shoal water to the south of the channel.

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 Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River.

Chart 18523

LNM: 09/24

WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – Change in the arc of visibility for Olympia Inner Range Front Light

The lighting equipment for Olympia Inner Range Front Light (LLNR 17480) is becoming obsolete and subject to failure. To facilitate the replacement of this light, the replacement equipment will reduce the arc of visibility from 14° each side of the range line to 9°. The overall intensity of the light will increase to match the characteristic of Olympia Inner Range Rear Light (LLNR 17485). This reduction in the spread of the light will prevent it from being seen when transiting towards the shoal water to the west of the channel.

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 Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

Charts: 18448 18456

LNM: 09/24

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: 14/24

SUMMARY OF DREDGING OPERATIONS

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

LNM: 14/24

SUMMARY OF MARINE EVENTS

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

LNM: 14/24

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 bearyl@coosbayrailline.com.

Chart 18584

LNM: 02/24

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 – 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

WASHINGTON – COLUMBIA RIVER – Bridge maintenance

WSDOT and Garco Construction will be replacing the decking and repairing piers and crossbeams of the I-90 Highway Bridge across the Columbia River at RM 420 at Vantage WA. Work will start on 04 Mar 2024 and is anticipated to be complete in Nov of 2027. Typical work schedule will be Monday – Friday, 0700 – 1730 with occasional night work. A containment system will be installed on the east span reducing the vertical navigation clearance by 10ft. With all construction projects there is a hazard of falling debris; the containment system is designed to prevent any debris from falling into the water. However, mariners are advised to use caution while transiting the area. For the initial phase the main navigation channel will not have containment installed and provides 73.5 feet of vertical navigation clearance at High Pool Elevation of 571.5 feet. Subsequent phases will have containment installed over the main navigation channel, and updates will be posted in future editions of the LNM. For additional information, contact Justin Ludwig at (208) 704-0122 and email JustinL@garco.com.

LNM: 06/24

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Bridge notice

The Coast Guard has approved a temporary deviation to the operating schedule that governs the Broadway Bridge (LLNR 14955.2), mile 11.7, Morrison Bridge (LLNR 14955.4), mile 12.8, and Hawthorne Bridge (LLNR 14955.6), mile 13.1, crossing the Willamette River at Portland, OR. This deviation accommodates the Bridge-to-Brews event. This deviation authorizes the subject bridges to remain in the closed-to-navigation position to allow safe and timely movement of event participants from 0730 until 1100 on 21 Apr 2024. The subject bridges provide the following vertical clearances: Broadway Bridge 69 feet, Morrison Bridge 69 feet, and the Hawthorne Bridge provides 49 feet while in the closed-to-navigation position. All vertical clearances are referenced to the vertical clearance above Columbia River Datum 0.0. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. For more information contact Matt Studer at (503) 988-3757 or matt.d.studer@multco.us.

Chart 18526

LNM: 08/24

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 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-

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

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

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

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 – Bridge notice

The Coast Guard has approved a temporary deviation for the operating schedule that governs the Fremont Bridge (LLNR 18182), mile 2.6, and the University Bridge (LLNR 18235), mile 4.3, both crossing the Lake Washington Ship Canal in Seattle, WA. The deviation will accommodate the Tenacious Ten running event. To facilitate this event, the draws of the subject bridges are authorized to be maintained in the closed-to-navigation position as follows: the University Bridge from 0730 to 0930 on 06 Apr 2024, and the Fremont Bridge from 0830 to 1030 on 06 Apr 2024. Vessels that do not require bridge openings may continue to transit beneath these bridges during the closure periods. The draws will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. For more information contact Kit Loo at (206) 684-3669 or kit.loo@seattle.gov.

Chart 18447

LNM: 08/24

WASHINGTON – PUGET SOUND – HALE PASSAGE – Bridge notice

Pierce County Planning and Public Works will be conducting girder repairs on the north side of the Fox Island Bridge (LLNR 17248). The repair work will begin on 04 Mar and be completed by 31 May 2024. The repairs will be on pier 17 and pier 20 that is on the mainland end of the bridge. The lighted navigation main span is between pier 10 and pier 11. Most of the work will occur during daylight hours, Monday through Friday, however, some nighttime work will occur if the schedule requires extended hours. The vertical clearance will be reduced from 18 feet above high tide to approximately 6 feet above high tide. Containment will be installed over pier 17 and pier 20 up to 12 feet below the bridge. Due to the nature of the repairs and the low containment, mariners are advised not to navigate within piers 17 – 20. The containment will be marked with amber flashing lights. No support vessels are anticipated in the vicinity of the work area. For additional information please contact Andrew Davis, P.E.,

WASHINGTON – PUGET SOUND – HALE PASSAGE – Bridge notice

Construction Engineering Supervisor, at (253) 798-6913, or andrew.davis@piercesoundwa.gov.

Chart 18440

LNM: 08/24

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.

Chart 18443

LNM: 51/23

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

Chart 18444

LNM: 15/23

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 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
Portland District:			
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
Walla Walla District:			
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

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Locks Center Miter Gates replacement project (Revised from LNM 02/24)

USACE is in the middle of a multi-phase maintenance project to replace the center miter gates on the Large Lock chamber. The 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. 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.

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

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/> and/or like them on Facebook www.facebook.com/chittendenlocks. For specific questions, mariners may contact the lockmasters at (206) 297-9821.

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Locks Center Miter Gates replacement project (Revised from LNM 02/24)

Chart 18447

LNM: 09/24

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. 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 – 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 – 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.

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 autonomous surface vessel deployment

The Pacific Northwest National Laboratory (PNNL) will be conducting multiple scientific instrumentation deployments, including some Autonomous Surface Vessel (ASV) deployments, through the end of April 2024, in approximate locations 48-04-43.3 N, 123-02-35.5 W and 48-04-29.0 N, 123-01-26.0 W. The ASV is a 10-foot catamaran that operates on the surface but may be deploying submerged sensors and free drifting devices. Mariners are asked to keep a minimum distance of 100 feet away from the ASV. The vessel will be clearly marked with the word "research" and the Department of Energy logo on both sides and will display navigation lights for a powered vessel of its size. The vessel will carry AIS and broadcast its position under the name JONESY with an MMSI number of 369914068. The R/V Desdemona or R/V Strait Science may be on scene during some operations and may be hailed on VHF-FM channel 16. For additional information, contact PNNL Marine Sciences Laboratory, Rob Cavagnaro, at (206) 528-3372 or email asvjonesy@pnnl.gov.

Chart 18471

LNM: 07/24

WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Temporary lighted buoy

NOAA's Pacific Marine Environmental Laboratory deployed a temporary research lighted buoy on 23 Feb 2024, approximately 1700 yards offshore from Spring Beach between Point Wells and Meadow Point, in approximate position 47-43-56.940 N, 122-23-41.820 W. This buoy is expected to remain on station until approximately 01 Sep 2024. The buoy is yellow and grey, round and marked with a flashing yellow four seconds (FL Y 4s) light. For more information, contact Nick Delich at (206) 526-6181 or email at nicholas.delich@noaa.gov.

Chart 18446

LNM: 09/24

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.

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.

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 – 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.

Chart 18441

LNM: 39/23

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 – New and improved Merchant Mariner Credential

The U.S. Coast Guard announced a new merchant mariner credential (MMC) set to launch on 01 Mar 2024. This milestone marks the first comprehensive revision of the mariner credential in nearly a decade and is strategically designed to enhance both quality of service and security within the Marine Transportation System (MTS). U.S. Coast Guard Marine Safety Information Bulletin (MSIB) 01-24, New Merchant Mariner Credential Passport Booklet Replacement, contains details of this new credential, and was included as Enclosure (4) of LNM 12/24. Additionally, the new MMC is announced at the National Maritime Center's Home Page: https://www.dco.uscg.mil/national_maritime_center/. Mariners are encouraged to visit NMC's website for more information on the credential.

LNM: 09/24

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
12040	BONNEVILLE POOL LIGHT 48	45-42-04.479N 121-21-55.375W	Fl R 4s	26	4	TR on skeleton tower.	14/24
16745	<i>Puget Sound Traffic Separation Lane Lighted Buoy SF</i>	47-45-54.532N 122-26-15.447W	Fl Y 2.5s		5	Yellow.	14/24
17810	<i>Bangor Explosive Anchorage Lighted Buoy B</i>	47-45-27.015N 122-43-51.064W	Fl Y 6s		4	Yellow.	14/24

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ENCLOSURES

Enclosure 1

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

LNM: 14/24

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 14/24

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 14/24

Enclosure 4

WASHINGTON – SAN JUAN ISLANDS AND PUGET SOUND – Scientific research activities

LNM: 13/24

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

Enclosure (1)

BRIDGE DISCREPANCIES						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
	9627	Yaquina Bay Highway 101 Bridge	Newport, OR	Protection piers damaged	12/4/2023	None
COLUMBIA RIVER						
	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
SNAKE RIVER						
	None					
WILLAMETTE RIVER						
	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
WASHINGTON COAST						
	None					
PUGET SOUND						
	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 nav lighting destroyed	10/13/2023	0710-23
	18235	University Street Bridge	Seattle, WA	Extinguished	11/18/2023	0824-23
	18240	Montlake Street Bridge	Seattle, WA	Improper characteristics- not turning green when opened	11/18/2023	0823-23
IDAHO						
	20070	Trail of the Coeur D'Alenes Railroad Bridge	Chatcolet, ID	Multiple lights extinguished	10/11/2022	None
BRIDGE CORRECTIONS						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
	None					
COLUMBIA RIVER						
	None					
SNAKE RIVER						
	14047	SR-12 Highway Bridge	Clarkston, WA	Fully operational	4/2/2024	None
WILLAMETTE RIVER						
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Lighting watching properly	4/2/2024	None
WASHINGTON COAST						
	None					
PUGET SOUND						
	18180	Ballard Street Bridge	Seattle, WA	Lighting watching properly	4/2/2024	None
	18340	Evergreen Point Highway Bridge	Seattle, WA	Lighting watching properly	4/2/2024	None
IDAHO						
	None					

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channel monitored	Disposal Area	LNM
2-Apr-24	9-Apr-24	24 Hrs / 7 Days	Columbia River; Skamokawa Bar (RM 35+05 to 36+00)	M/V Yaquina	None	VHF-FM 13 & 16	RM 34 OR	14/24
2-Apr-24	9-Apr-24	24 Hrs / 7 Days	Columbia River; Puget Island (RM 38+00 to 39+00)	M/V Yaquina	None	VHF-FM 13 & 16	RM 36 OR	14/24
2-Apr-24	9-Apr-24	24 Hrs / 7 Days	Columbia River; Wauna / Driscoll Ranges (RM 41+00 to 44+20)	M/V Yaquina	None	VHF-FM 13 & 16	RM 45 OR	14/24
2-Apr-24	9-Apr-24	24 Hrs / 7 Days	Columbia River; Lower Vancouver Bar (RM 103+00 to 104+32)	M/V Essayons	None	VHF-FM 13 & 16	RM 100 OR	14/24
15-Apr-24	31-May-24	24 Hrs / 7 Days	Grays Harbor; Bar, Entrance and Point Chehalis	M/V Essayons	None	VHF-FM 13 & 16	South Beach Pt Chehalis	14/24
8-Apr-24	1-May-24	24 Hrs / 7 Days	Grays Harbor; Bar, South Reaches, Crossover and Point Chehalis	M/V Yaquina	None	VHF-FM 13 & 16	Half Moon Pt Chehalis South Beach	14/24

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
15-Apr-24	1200-1700	COB Race	Columbia River, Portland, OR
18-Apr-24	1730-2130	Summer Series	Columbia River, Portland, OR
20-Apr-24	0800-1500	Rusty Iron	Columbia River, Portland, OR
21-Apr-24	1900-2359	Moonlight Regatta	Columbia River, Portland, OR
22-Apr-24	0000-0700	Moonlight Regatta	Columbia River, Portland, OR
23-Apr-24	1730-2130	Summer Series	Columbia River, Portland, OR
25-Apr-24	1730-2130	Summer Series	Columbia River, Portland, OR
27-Apr-24	600	Race Around the Island	Columbia River, Vancouver, WA
30-Apr-24	1730-2130	Summer Series	Columbia River, Portland, OR
19-May-24	1200-1700	Tropical Dream	Columbia River, Portland, OR
24-May-24	2150-2230	Portland Rose Festival Opening Night Fireworks	Willamette River, Portland, OR
24-May-24	0800-1700	Boatnik 2024	Rogue River, Grants Pass, OR
25-May-24	0800-1700	Boatnik 2024	Rogue River, Grants Pass, OR
26-May-24	0800-1700	Boatnik 2024	Rogue River, Grants Pass, OR
27-May-24	0800-1700	Boatnik 2024	Rogue River, Grants Pass, OR
31-May-24	0600-1800	Tri-City Water Follies Spring Testing	Columbia River, Kennewick, WA
8-Jun-24	0700-1800	Portland Rose Festival Dragon Boat Race	Willamette River, Portland, OR
9-Jun-24	0700-1800	Portland Rose Festival Dragon Boat Race	Willamette River, Portland, OR
15-Jun-24	0800-1800	Richland Regatta	Columbia River, Kennewick, WA
16-Jun-24	0800-1800	Richland Regatta	Columbia River, Kennewick, WA
22-Jun-24	2200-2230	Umatilla Landing Days	Columbia River, Umatilla, OR
3-Jul-24	2200-2330	Waldport Fireworks	Willamette River, Waldport, OR
3-Jul-24	2200-2330	Mill Casino Independence Day	Coos Bay, North Bend, OR
4-Jul-24	2200-2330	Waterfront Blues Festival	Willamette River, Portland, OR
4-Jul-24	2200-2330	St. Helens 4th of July	Columbia River, St. Helens, OR
4-Jul-24	2200-2330	Brookings 4th of July	Brookings/Harbor, OR
4-Jul-24	2200-2230	Fireworks Over the Bay	Coos Bay, Coos Bay, OR
4-Jul-24	2200-2230	Cascade Locks 4th of July	Columbia River, Cascade Locks, OR
4-Jul-24	2210-2230	Florence Independence Day Celebration	Port of Siuslaw, Florence, OR
4-Jul-24	2200-2230	Newport 4th of July	Yaquina Bay, Newport, OR
4-Jul-24	2200-2230	Fort Dalles Fourth	Columbia River, The Dalles, OR
4-Jul-24	2200-2230	July 4th Party at Gold Beach	Rogue River, Gold Beach, OR
4-Jul-24	2200-2230	Clatskanie Heritage Days	Columbia River, Clatskanie, OR
4-Jul-24	2200-2230	Bandon 4th of July	Bullards Beach, Bandon, OR
4-Jul-24	2200-2230	Astoria-Warrenton 4th of July	Columbia River, Astoria, OR
4-Jul-24	2200-2230	Lincoln City 4th of July	Siletz Bay, Lincoln City, OR
4-Jul-24	2200-2230	Waverley Country Club 4th of July	Willamette River, Portland, OR
4-Jul-24	2200-2230	Yachats 4th of July	Pacific Ocean, Yachats, OR
6-Jul-24	2200-2230	Ilwaco Fireworks at the Port	Baker Bay, Ilwaco, WA
7-Jul-24	1000-1400	Great Columbia Float Fest	Columbia River, Richland, WA - Leslie Grove Park to Howard Amon Park
8-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR

MARINE EVENTS

Enclosure (3)

9-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR
10-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR
11-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR
12-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR
13-Jul-24	1100-1730	Gorge Downwind Champs	Columbia River, Stevenson, WA to Hood River, OR
13-Jul-24	2200-2230	Rainier Days in the Park	Columbia River, Rainier, OR
13-Jul-24	0900-1900	The Big Float	Willamette River, Portland, OR
26-Jul-24	0600-1800	Tri-City Columbia Cup	Columbia River, Kennewick, OR
27-Jul-24	0600-1800	Tri-City Columbia Cup	Columbia River, Kennewick, OR
28-Jul-24	0600-1800	Tri-City Columbia Cup	Columbia River, Kennewick, OR
2-Aug-24	0500-1500	Columbia River Summer Walleye Classic	Columbia River, Boardman, OR John Day Pool
3-Aug-24	0500-1500	Columbia River Summer Walleye Classic	Columbia River, Boardman, OR John Day Pool
4-Aug-24	0500-1500	Columbia River Summer Walleye Classic	Columbia River, Boardman, OR John Day Pool
10-Aug-24	1100-1300	2024 SWIM the SNAKE	Snake River, Starbuck, WA

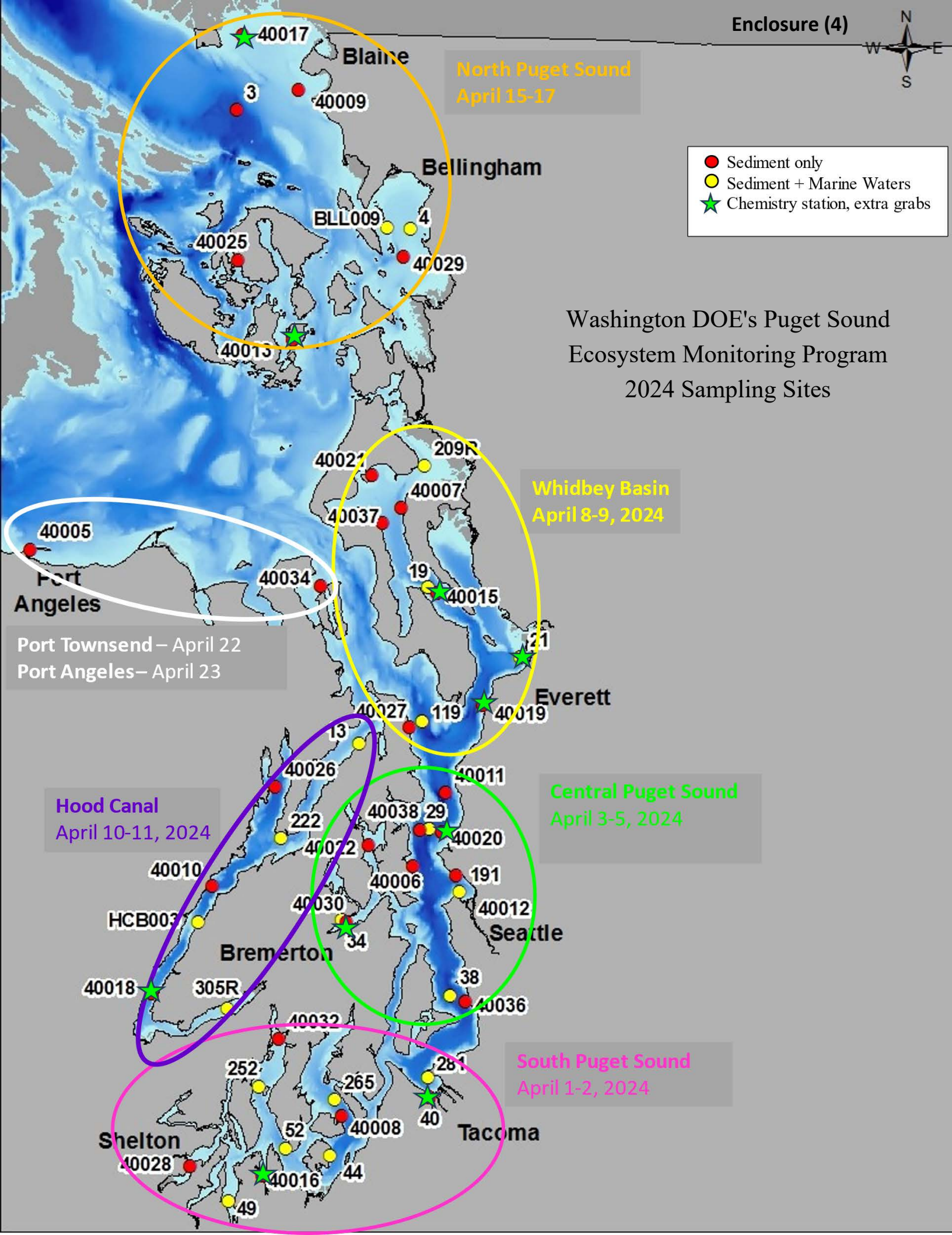
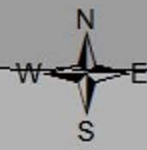
SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
3-Apr-24	1800-2030	PTSA Wednesday Weekly Races	Port Townsend
4-Apr-24	1800	TTPYC Spring Series 2024	IVO Des Moines Marina
6-Apr-24	0800-1330	Husky Open	Union Bay - Montlake Cut
6-Apr-24	1000-1600	CYC Spring Regatta - Small Boats	Shilshole Bay
6-Apr-24	1100-1500	Eagle Harbor Cruiser Navigation Rally	Eagle Harbor, Bainbridge Island
7-Apr-24	1000-1600	CYC Spring Regatta - Small Boats	Shilshole Bay
10-Apr-24	1830-2030	Windseekers Early Spring Series	Commencement Bay
10-Apr-24	1800-2030	PTSA Wednesday Weekly Races	Port Townsend
11-Apr-24	1800	TTPYC Spring Series 2024	IVO Des Moines Marina
13-Apr-24	0900-1700	Spring Regatta	IVO East Sound (Orcas and Blakely Isl)
13-Apr-24	0800-1100	OSU Dual	Union Bay - Montlake Cut
13-Apr-24	1000-2000	Rich Passage Ramble	Sinclair Inlet
13-Apr-24	1100-1700	Carl Pearl Blakely Rock Bennefit Regatta	Shilshole Bay - Blakely Rock
13-Apr-24	1000-1700	PTSA Smith Island Race	Port Townsend - Smith Island
13-Apr-24	1100-nxt day	Blackline Patos Island Race	Haro Strait
14-Apr-24	prev-1100	Blackline Patos Island Race	Haro Strait
14-Apr-24	0930-1630	Mid-Distance Series Sailboat Races	Port Gardner and Possession Sound
14-Apr-24	0900-1700	Spring Regatta	IVO East Sound (Orcas and Blakely Isl)
14-Apr-24	1130-1300	TYC Daffodil Marine Festival Boat Parade	Commencement Bay

MARINE EVENTS

Enclosure (3)

15-Apr-24	1730-2030	Ballard Cup Series I	Shilshole Bay
17-Apr-24	1830-2030	Windseekers Early Spring Series	Commencement Bay
17-Apr-24	1800-2030	PTSA Wednesday Weekly Races	Port Townsend
18-Apr-24	1800	TTPYC Spring Series 2024	IVO Des Moines Marina
18-Apr-24	1700-1930	SBYC Duck Dodge Races	Sequim Bay
19-Apr-24	1800-2000	POYC Spring Friday Evening Series	Sinclair Inlet
20-Apr-24	1100-1800	Spring Regatta Sailboat Race	Port Gardner and Possession Sound
20-Apr-24	0930-1730	TTPYC Spring Regatta	IVO Des Moines Marina
20-Apr-24	0700-1700	Paddlers Cup	Gig Harbor
20-Apr-24	1000-1800	Novice Regatta	Sinclair Inlet
20-Apr-24	1000-1700	CYC Spring Regatta - Big Boats	Shilshole Bay
20-Apr-24	1015-1330	Squaxin Island	IVO Squaxin Island
21-Apr-24	0700-1700	Paddlers Cup	Gig Harbor
21-Apr-24	1000-1700	CYC Spring Regatta - Big Boats	Shilshole Bay
22-Apr-24	1730-2030	Ballard Cup Series I	Shilshole Bay
24-Apr-24	1830-2030	Windseekers Early Spring Series	Commencement Bay
24-Apr-24	1800-2030	PTSA Wednesday Weekly Races	Port Townsend
25-Apr-24	1800	TTPYC Spring Series 2024	IVO Des Moines Marina
25-Apr-24	1700-1930	SBYC Duck Dodge Races	Sequim Bay
26-Apr-24	1800-2000	POYC Spring Friday Evening Series	Sinclair Inlet
27-Apr-24	1000-2000	Smith Island/Double Bluff Race	Shilshole Bay - Smith Island
27-Apr-24	1000-1700	PTSA Partridge Pt-McCurdy Pt Race	Port Townsend
28-Apr-24	1000-2000	Smith Island/Double Bluff Race	Shilshole Bay - Smith Island
29-Apr-24	1730-2030	Ballard Cup Series I	Shilshole Bay



- Sediment only
- Sediment + Marine Waters
- ★ Chemistry station, extra grabs

North Puget Sound
April 15-17

Whidbey Basin
April 8-9, 2024

Hood Canal
April 10-11, 2024

Central Puget Sound
April 3-5, 2024

South Puget Sound
April 1-2, 2024

Washington DOE's Puget Sound Ecosystem Monitoring Program 2024 Sampling Sites

Port Townsend – April 22
Port Angeles – April 23

Port Angeles

Blaine

Bellingham

Everett

Seattle

Tacoma

Shelton

Bremerton

BLL009

HCB003

40017

40009

40025

4

40029

40013

40021

40007

40037

40015

40034

40027

119

40019

40026

40011

40038

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40020

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40072

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40018

305R

252

265

281

40032

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40008

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40016

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