



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 09/22

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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Email: D13-SMB-D13-LNM@uscg.mil
<https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/>
<https://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=13>

COMDTPUB P16502.6, Light List Volume VI, 2022 Edition, and Coast Pilot Volume 10, 2021 Edition.
Light List Volume VI, 2022 Edition is available at https://www.navcen.uscg.gov/pdf/lightLists/LightList_V6_2022.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's and other navigation notices can be obtained via e-mail subscription through the USCG Navigation Center website:

<https://www.navcen.uscg.gov/?pageName=feeds>

In addition, the NIS investigates all reports of degradation or loss of GPS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: (703) 313-5900 or Email: webmaster@navcen.uscg.mil, or on the World Wide Web: <https://www.navcen.uscg.gov/?pageName=gpsUserInput>

BROADCAST NOTICE TO MARINERS

Urgent marine navigational and weather information is broadcast over VHF channel 22A (157.1 MHz). Broadcasts are first announced over the distress, safety and calling channel 16 before they are made. All ships in U.S. waters over 20 meters in length are required to monitor VHF channel 16, and must have radios capable of tuning to the VHF simplex channel 22A. Additionally, District 13 BNM's are now available online on a test basis. To view or download District 13 BNM's visit <https://www.navcen.uscg.gov/bnm/messages/DistrictSearchV1.php?d=13&i=3>

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

Originating Unit
CGD THIRTEEN

Beginning BNM
D13-0176-22

Ending BNM
D13-0194-22

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
AI - 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
DEST - Destroyed
DISCON - Discontinued
DMGD/DAMGD - Damaged
ec - eclipse
EST - Established Aid

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
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHz - Megahertz
MISS/MSNG - Missing
Mo - Morse Code

P through Z

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

ev - every
EVAL - Evaluation
EXT - Extinguished
F - Fixed
fl - flash
Fl - Flashing
G - Green
GIWW - Gulf Intracoastal Waterway
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height

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

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.

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – Bridge Notice

The Coast Guard intends to approve a temporary deviation 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 from 0830 – 1130 on 10 Apr 2022. This deviation supports the Bridge to Brews event. 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). The Coast Guard has previously approved a deviation for the Broadway Bridge and Hawthorne Bridge supporting the Bridge to Brews event. Please submit objections for the Steel Railroad-Highway Bridge deviation to d13-smb-d13-bridges@uscg.mil by 16 Mar 2022.

Chart 18526

LNM: 09/22

OREGON – PORT OF PORTLAND - WILLAMETTE RIVER – Bridge notice

The Coast Guard has approved a temporary operating rule change that governs the Morrison Highway Bridge (LLNR 14955.5) across the Willamette River, mile 12.8 at Portland, OR. The Morrison Bridge operates in accordance with 33 CFR 117.897(c)(3)(iv). This temporary rule temporarily suspends the current regulatory cite regarding the Morrison Bridge, and adds a temporary paragraph 33 CFR § 117.897(c)(3)(vi) which amends the operating schedule of the Morrison Bridge. The rule change authorizes the subject bridge to open half of the draw span on signal when at least a two-hour notice has been given, or four-hour notice if a tug assist is needed from 1900 on 01 Apr 2022 through 1900 on 31 May 2023. Mariners may contact the Hawthorne Bridge operator via telephone at (503) 988-3452 or VHF radio channel 13 for an opening of the Morrison Bridge. Half of the draw will be maintained in the closed-to-navigation position to allow for preservation and painting maintenance. The rule change allows the Morrison Bridge to alternate operation of the east or west leaf span during the temporary rule period. The west span will be operational at the beginning of project and the east span will be in the closed-to-navigation position. The horizontal clearance with a full opening is 185 feet, therefore, in single leaf operations, the temporary rule change reduces the horizontal clearance to approximately 90 feet. If any mariner submits a full opening request to the County prior to construction beginning on 01 Apr 22, a full opening can be scheduled. The dates to switch operational spans will be determined later and published in the Local Notice to Mariners. This rule reasonably accommodates waterway users while reducing Multnomah County's burden to safely clear work crews for bridge openings. When the operational span is in the closed-to-navigation position, the vertical clearance is 69 feet in center and 48 feet on the side. The vertical clearance of the operational span is unlimited when in the open-to-navigation position. This regulation approval allows a containment system under the bridge that reduces the non-opening half of the bridge's vertical clearance by 5 feet from 69 feet center to 64 feet, and from 48 feet on the sides to 43 feet. All draw clearances are above the Columbia River Datum 0.0. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. In accordance with 33 CFR 117.35(e), the bridge must return to its regular operating schedule immediately at the end of the designated time-period. For additional information on this event, contact Matt Studer at matt.d.studer@multco.us.

Chart 18526

LNM: 09/22

WASHINGTON – GRAYS HARBOR – WISHKAH RIVER – Bridge inspection

Washington State Department of Transportation will be inspecting the US-12, Heron Street Highway Bridge (LLNR 16072.2) that spans the Wishkah River near Aberdeen, WA. The inspection will take place between 0900 and 1200 on 12 May 2022. 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 no fixed impact to navigational clearance from this operation (~10 ft. reduction to clearance while bucket is under the bridge, however UBIT will promptly give way to tall marine vessels). Mariners are advised to use caution while transiting the area. UBIT bucket will have a flashing orange light on the bottom and a safety lookout will be on the bridge. Bridge openings will occur as usual. For additional information, contact Alan Kuper, P.E. at (360) 701-0556 or kupera@wsdot.wa.gov.

WASHINGTON – PUGET SOUND – HOOD CANAL – Naval Test and Evaluation Barge operations

The Naval Surface Warfare Center Detachment Puget Sound, located at SUBASE Bangor, will be working with Western Towboat to operate the Research, Development, Test and Evaluation Barge M241 in the waters of Hood Canal. The operations will be conducted between Carson Spit and Hazel Point in water greater than 25 fathoms in depth, and are scheduled from sunrise until sunset, Monday through Friday, from 06 – 30 Mar 2022. Short gaps in the schedule are expected to occur to allow for correction of technical issues. The operations will consist of low speed straight-line courses parallel to the shoreline with some stationary periods to perform deck operations. A 28-foot tracking vessel will accompany the barge and occasionally be underway to participate in operations. Questions can be directed to any operating support craft/personnel on marine VHF Channel 16, 88A or the Naval Surface Warfare Center waterfront POCs Mark Moss (360) 396-2948 or Steve Polillo (360) 315-0333.

Charts: 18458 18476

LNM: 09/22

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

The Navy will conduct tactical boat operations on 10 Mar 2022 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 two 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, Bela Radvanyi at (360) 396-5361 or email bela.g.radvanyi2@navy.mil.

Charts: 18464 18471

LNM: 09/22

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Locks Small Chamber Closure

The Hiram M. Chittenden Locks small chamber closed to all marine traffic at 0530 on 28 Feb and will remain closed for routine maintenance until 1700 on 14 Mar 2022. The large lock will continue around-the-clock operations for vessels. Lock wall staff will get commercial traffic through as quickly as possible. All pleasure boats will use the large lock and boaters should be prepared with appropriate equipment and crew. Mariners may experience delays, depending on passage demand. Large lock requirements include long lines and fenders on board. Kayakers are not allowed to use the large lock chamber. Current locking through information is available at: <https://go.usa.gov/xzCrR>. The annual closure gives dam safety experts and maintenance staff the chance to dry out the chambers for thorough inspections and to make necessary repairs. For more information contact the Lockmasters at (206) 297-9821.

Chart 18447

LNM: 09/22

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – Bridge emergency deviation

The Coast Guard has approved an emergency temporary deviation from the operating regulations of the 1st Ave South Highway Bridge (LLNR 16887), AKA SR-99 Bridge, across the Duwamish Waterway, mile 2.5, Seattle, WA. The subject bridge sustained damage from a roadway accident, and the draw span is limited to opening when sustained winds are less than 10 knots. The bridge operator may exercise good judgement to delay or not open the draw for a reasonable time only when sustained winds exceed 10 knots. The bridge operator may delay the opening of the draw for a reasonable time while waiting for sustained winds to be less than 10 knots, but shall inform mariners for the reason of delayed openings. Mariners shall contact the bridge operator prior to entering the Duwamish Waterway to request an opening, if the bridge cannot open due to wind velocity, the bridge operator shall record the vessel(s) name and contact them every thirty minutes with a draw status. The reasonable delay to open due to damages applies to all vessels requesting an opening including vessels of 5000 gross tons and over, a vessel towing a vessel of 5000 gross tons and over, and a vessel proceeding to pick up for towing a vessel of 5000 gross tons and over. During this closure, the draw of the subject bridge may also delay opening the draw to marine vessels engaged in emergency operations. Estimated repairs to the bridge are expected to be completed by 15 Mar 2022.

Chart 18450

LNM: 08/22

WASHINGTON – PUGET SOUND – HOOD CANAL – Bridge Notice

WSDOT will be inspecting the Hood Canal Highway Bridge (LLNR 17769) that spans Hood Canal near Port Gamble, WA. The inspection will take place between 0900 and 1500 on 09 – 10 May 2022. 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 no fixed impact to navigational clearance from this operation (~10 ft. reduction to clearance while bucket is under the bridge, however the UBIT will promptly give way to tall marine vessels). Mariners are advised to use caution while transiting the area. UBIT bucket will have a flashing amber light on the bottom and a safety lookout will be on the bridge. Bridge openings will occur as usual. For additional information, contact Alan Kuper, P.E. at (360) 701-0556 or email kupera@wsdot.wa.gov.

Chart 18441

LNM: 08/22

OREGON – YAQUINA HEAD TO COLUMBIA RIVER – Undersea cable maintenance (Revised from LNM 03/22)

The vessel Tuna Time II, will be providing surface support for divers conducting undersea telecommunications cable work in approximate position 45-15-01 N, 123-58-39.2 W, approximately 1100 yards off the shore near Pacific City, Oregon. Operations were previously scheduled for the first week in November, but will be completed as soon as favorable weather conditions allow. The operation will take 2-3 days with dive operations running from 0700 – 1800 daily. Tuna Time II will have limited maneuverability (being anchored) while conducting operations. All vessels in the

area are requested to maintain a minimum 1 NM CPA to ensure safety of divers and navigation. Tuna Time II will monitor VHF-FM channels 16 and 13. For more information, contact (904) 397-8996 or email operations@gaeaquatic.com

Chart 18520

LNM: 07/22

OREGON – TILLAMOOK BAY – Tillamook entrance north jetty repair work

J.E. McAmis, Inc will commence a Tillamook North Jetty Repair project for the Portland District of USACE on 28 Feb 2022. Equipment will be operating atop the jetty near Bar View Jetty State Park and the Coast Guard observation tower, on the north side of the entrance. The project is expected to continue through July 2022, and operating hours will be weekdays, daylight only.

Chart 18558

LNM: 07/22

WASHINGTON – PUGET SOUND – PORT MADISON AND PORT ORCHARD – Oceanographic Research

The University of Washington will be conducting a tidal energy study at the south end of Agate Pass from 11 – 27 Apr 2022. The R/V Russell Davis Light will be anchored in a four point mooring throughout the experiment, in approximate position 47-42-25.2 N and 122-34-13.8 W, and will display lights and shapes for a vessel at anchor. The R/V Jack Robertson will deploy and recover the mooring anchors at the start and end of the experiment. Each anchor will have a crown buoy consisting of a white float and a QW light (quick flash white). The research vessels will monitor VHF-FM channels 16, 14 and 13. The anchor lines will extend 130 yards from the vessel. All vessels are requested to stay outside of the four anchor buoys and provide a minimum clearance of 130 yards from the anchored vessel. For additional information, contact Applied Physics Laboratory, University of Washington at (206) 685-1971.

Chart 18446

LNM: 07/22

WASHINGTON – LAKE WASHINGTON SHIP CANAL TO LAKE UNION – Bridges Notice

The Coast Guard intends to approve a temporary deviation from 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. This deviation will accommodate the Tenacious Ten running event ON 09 Apr 2022. This deviation allows the Fremont Bridge to remain in the closed-to-navigation position from 0800 to 0830 on 09 Apr 2022, and the University Bridge may remain in the closed-to-navigation position from 0815 to 1015 on 09 Apr 22. Vessels which do not require bridge openings may continue to transit beneath these bridges during this closure period. The bridge will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. If any mariner or marine stakeholder cannot support this closure period for the subject bridges, please submit objections to d13-smb-d13-bridges@uscg.mil by 09 Mar 22.

Chart 18447

LNM: 07/22

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – SR 529 Highway Bridges Notice

The Coast Guard has approved a temporary bridge deviation from the operating schedule that governs the SR-529 Highway Bridges across the Snohomish River and Steamboat Slough to support the Everett Half Marathon event on 27 Mar 2022 from 0700 to 1100. During this period, the swing spans of the SR-529 Highway Bridge (NB) (LLNR 18591.3) and the SR-529 Highway Bridge (SB) (LLNR 18591.2) across the Snohomish River, mile 3.6, at Everett, WA, and the lift spans of SR-529 Highway Bridge (NB) (LLNR 18594.11) and the SR-529 Highway Bridge (SB) (LLNR 18594.9) across Steamboat Slough, mile 1.1, at Marysville, WA, is authorized to remain in the closed-to-navigation position. The SR-529 Bridges across Steamboat Slough provide 10 feet of vertical clearance in the closed-to-navigation position at high tide. The SR-529 Bridges across the Snohomish River provide 37 feet of vertical clearance in the closed-to-navigation position at high tide. The SR-529 Bridges must open to emergency vessels responding to emergencies. An alternate route for vessels to use during this deviation period is via Union Slough.

Chart 18443

LNM: 07/22

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – Lewis and Clark Highway Bridge inspection

WSDOT will be inspecting the Lewis and Clark Highway Bridge (LLNR 10812.5) at Columbia River mile 66.0 between Rainier, OR, to Longview, WA. The inspection will take place between 0800 and 1600 daily from 28 Feb to 04 Mar 2022. The bridge will be inspected using three under bridge inspection trucks (UBITs) that occupy a portion of the roadway and extend booms under the bridge. Marine traffic will not be impacted, however, the vertical clearance will be reduced up to 10 feet. Mariners are advised to use caution while transiting the area, and be aware of fall hazards. UBIT buckets will have flashing amber lights. UBIT operators will watch for and give way to tall marine vessels. For more information on the bridge inspections, contact Jim Patton at (360) 628-4439 or pattonj@wsdot.wa.gov.

Chart 18524

LNM: 06/22

SNAKE RIVER – LAKE SACAJAWEA – Bridge notice

The Coast Guard has approved a request for a temporary deviation from the operating schedule that governs the East Pasco Railroad Bridge 3.08 (LLNR 13112) across the Snake River at mile 1.5, in Burbank, WA. The subject bridge provides 14 feet of vertical clearance above ordinary high water in the closed-to-navigation position. The deviation is necessary to accommodate electrical and mechanical upgrades. Bridge 3.08 is normally maintained in the open-to-navigation position. The requested closure is scheduled to align with the Columbia River and Snake River 2022 USACE navigation lock closure. The draw closure will be from 0800 on 21 Feb 2022 to 1800 on 07 Mar 2022. During this closure period, the draw will not be able to open to marine vessels and vessels engaged in emergency operations. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information contact Jeff Swanson at Jeff.Swanson@BNSF.com.

Chart 18545

LNM: 06/22

OREGON – SNAKE RIVER – Bridge notice

ODOT will be repairing the bridge that spans the Snake River in Ontario OR at river mile 372. The operations will occur seven days a week, daylight hours only, from 01 Apr to 31 Oct 2022. The bridge will be repaired using an under-bridge inspection truck (UBIT) or snooper crane that occupies approximately 10 feet of the vertical span of the bridge, work containment platforms that occupies approximately 6 feet of vertical span

of the bridges, and a barge that will occupy one of the nine existing bridge spans. Mariners are advised to use caution while transiting the area. For additional information contact ODOT District 14 Project Manager, Petr Lovasik at (541) 823-4021 or (541) 709-6889 (cellular) or Petr.Lovasik@odot.state.or.us.

LNM: 06/22

WASHINGTON – PUGET SOUND – APPLE COVE TO POINT KEYPORT – Autonomous underwater research

NOAA's Pacific Marine Environmental Laboratory deployed an autonomous underwater research glider in the waters approximately 1.5 nm north of Meadow Point near Golden Gardens. The glider will operate within one mile of 47-42-12 N, 122-24-36 W, and conduct dives down to 150 meters and surface every 45 minutes to transmit data. Operations are expected to run until 15 Mar 2022. Mariners are requested to not disturb or touch the glider during these operations. For more information, contact Nick Delich, PMEL, at (206) 552-6065 or call the number listed on the glider.

Charts: 18446 18473

LNM: 06/22

WASHINGTON – HOOD CANAL – DABOB BAY – Submersible Vehicle testing

The US Navy will be conducting submersible vehicle testing in the Dabob Bay military operating area and in the waters of Hood Canal south to Triton Head from 23 Feb to 11 Mar 2022. Operations will be conducted 24 hours a day, 7 days a week. Operations will involve semisubmersible and submersible vehicles possibly escorted by M/V Jack Robertson and small naval craft with a flashing red light. The small craft and Jack Robertson will monitor VHF-FM channels 12 and 16. The call sign for the small craft will be "Range security craft". A small, lighted surface buoy will be left in place during the operations at position 47 38' 20.24"N / 122 54' 59.21"W. The buoy will have a white flashing light. All craft transiting the area are requested to exercise caution and maintain a sharp lookout for possible semi-submerged vehicles. Questions should be directed to the Pacific Northwest Range Management and Ops Division, Range Control Branch, at (360) 396-2313.

Charts: 18441 18476

LNM: 06/22

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERTON – EAGLE HARBOR – Dive operations

The US Environmental Protection Agency (EPA) will conduct diving operations in Eagle Harbor on Wednesday, 02 Mar 2022. Divers will inspect the sediment containment cap near the four anchor buoys in locations:

- Buoy 1: 47-37-24.999N, 122-30-15.998W
- Buoy 2: 47-37-23.998N, 122-30-01.998W
- Buoy 3: 47-37-02.999N, 122-30-15.000W
- Buoy 4: 47-37-02.999N, 122-30-25.998W

Operations will occur from 0900 to 1600 on 02 Mar 22. The EPA R/V Monitor will be onscene and monitoring VHF-FM channels 13, 16 and 22A. Additionally, the vessel may be reached via cellular phone at (206) 947-8638. Monitor will display Alpha and Diver down flags when any diving is in progress. Mariners are requested to minimize wake and stand off at least 200 yards from diving operations. For additional information, contact Brent Richmond at Richmond.brent@epa.gov or 360-871-8711.

Chart 18449

LNM: 05/22

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
733	NOAA Environmental Lighted Buoy 46041	ADRIFT	18500	0174-22	08/22	
756	Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA	MISSING	18485	0828-20	47/20	
765.5	NOAA Environmental Lighted Buoy 46005	LT EXT	18007	0197-20	08/20	
8655	Rogue River Entrance Buoy 1	MISSING	18601	0751-21	43/21	
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	
12980	Lake Wallula West Channel Junction Light W	STRUCT DEST/TRLB	18542	0208-20	09/20	
14420	Baker Bay West Channel Entrance Jetty Light 2	LT IMCH/STRUCT DMGD	18521	0633-21	38/21	
14835	Sauvie Island Junction Light	STRUCT DEST/TRLB	18524	0930-21	51/21	
15186	Willapa Bay Entrance Lighted Buoy C	MISSING	18504	0786-21	45/21	
15435	Long Island Junction Light	LT IMCH	18504	0125-22	05/22	
16071.25	Hoquiam River Obstruction Buoy	MISSING/TRDBN	18502	0178-20	08/20	

16090	Quillayute River Sector Light	LT EXT/STRUCT DMGD	18480	0848-21	47/21
16095	Quillayute River Entrance Light 3	LT EXT/STRUCT DMGD	18480	0853-21	48/21
16136	Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA	MISSING	18485	0828-20	47/20
16223	Race Rocks East Cautionary Lighted Buoy VG (C)	OFF STA	18465	0890-21	49/21
17360	Nisqually Flats Light 3	STRUCT DEST/TRLB	18448	0404-21	24/21
18710	Oak Harbor Light 11	STRUCT DEST/TRUB	18428	0652-21	39/21
19815	Boundary Pass Shoal Isolated Danger Lighted Bell Buoy DB	TMK MISSING	18431	0062-22	03/22

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
15841	Grays Harbor North Channel Lighted Buoy 52	WATCHING PROPERLY	18502	0180-22	05/22	09/22
19395	Belle Rock Sector Light	RELIGHTED	18429	0183-22	08/22	09/22
19560	Fisherman Bay Sector Light	RELIGHTED	18430	0184-22	08/22	09/22

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
612	OSU Cape Arago Research Lighted Buoy	MISSING	18580	0844-21	47/21	
11207	Lower Vancouver Anchorage Lighted Buoy V	LT EXT	18525	0147-22	06/22	
11247	Hayden Island Water Monitoring Lighted Buoy A	MISSING	18526	0413-21	25/21	
16115	University of Washington LaPush Research Lighted Buoy	MISSING	18480	0150-22	07/22	
17044	Des Moines Marina Lighted Buoy 1	MISSING/LT EXT	18474	0762-21	44/21	
18387	North Leschi Breakwater Lights (5)	LT EXT	18447	0912-21	50/21	
18736	Oak Harbor Marina South Entrance Light 2	STRUCT DEST	18428	0766-21	44/21	

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
9285	Winchester Bay Harbor Entrance Daybeacon 1	TRUB	18584	0353-21	21/21	
12980	Lake Wallula West Channel Junction Light W	TRLB	18542	0214-20	10/20	
14835	Sauvie Island Junction Light	TRLB	18524	0936-21	51/21	

16071.25	Hoquiam River Obstruction Buoy	TRDBN	18502	0534-21	32/21
17360	Nisqually Flats Light 3	TRLB	18448	0409-21	24/21
18050	Orchard Rocks Fish Pen Lights (3)	DISCONTINUED	18449	0894-21	50/21
18710	Oak Harbor Light 11	TRUB	18428	0711-21	42/21

TEMPORARY CHANGES CORRECTED

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

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

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

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

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

18448	36th Ed.	01-DEC-15	Last LNM: 51/21	NAD 83		09/22
<i>Chart Title: Puget Sound-southern part</i>						
CHART WA - PUGET SOUND - SOUTHERN PART. Page/Side: N/A						
RELOCATE	Olympia Inner Range Front Light and Change height to 13ft.				CGD13 from 47-04-04.037N to 47-04-03.995N	122-54-31.073W 122-54-31.046W
18456	21st Ed.	01-NOV-10	Last LNM: 43/17	NAD 83		09/22
<i>Chart Title: Olympia Harbor and Budd Inlet</i>						
Main Panel 1717 OLYMPIA HARBOR AND BUDD INLET. Page/Side: N/A						
RELOCATE	Olympia Inner Range Front Light and Change height to 13ft.				CGD13 from 47-04-04.037N to 47-04-03.995N	122-54-31.073W 122-54-31.046W
18457	10th Ed.	01-JAN-06	Last LNM: 23/17	NAD 83		09/22
<i>Chart Title: Puget Sound-Hammersley Inlet to Shelton</i>						
Main Panel 1718 PUGET SOUND HAMMERSLEY INLET TO SHELTON. Page/Side: N/A						
LAST EDITION	No new editions of chart 18457 will be published. It will be canceled on 01-Jun-22. 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 --	--

18476	7th Ed.	01-JAN-17	Last LNM: 02/17	NAD 83	09/22
<i>ChartTitle: Puget Sound-Hood Canal and Dabob Bay</i>					
Main Panel 1942 PUGET SOUND HOOD CANAL AND DABOB BAY. Page/Side: A					
LAST EDITION	No new editions of chart 18476 will be published. It will be canceled on 06-Apr-22. 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 --	--
18504	66th Ed.	01-JUL-06	Last LNM: 29/17	NAD 83	09/22
<i>ChartTitle: Willapa Bay;Toke Pt.</i>					
CHART WA - WILLAPA BAY. Page/Side: N/A					
DELETE	South Willapa Bay Light 3 at:			CGD13 46-41-16.074N	123-59-44.016W
RELOCATE	Willapa River Light 56 and Change height to 17ft.			CGD13 from 46-40-39.583N to 46-40-39.493N	123-46-48.572W 123-46-48.574W
RELOCATE	Willapa River Light 59 and Change height to 17ft.			CGD13 from 46-40-45.530N to 46-40-45.463N	123-45-57.681W 123-45-58.035W
ADD	Willapa River Junction Light Red/green/red Fl (2+1)R 6s 18 Ft, 4 Naut Mi			CGD13 at 46-41-21.648N	124-00-05.772W
18527	24th Ed.	01-AUG-16	Last LNM: 36/16	NAD 83	09/22
<i>ChartTitle: Willamette River-Swan Island Basin</i>					
Main Panel 1745 SWAN ISLAND BASIN WILLAMETTE RIVER. Page/Side: A					
LAST EDITION	No new editions of chart 18527 will be published. It will be canceled on 06-Apr-22. 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 --	--
18528	11th Ed.	01-JUL-08	Last LNM: 39/15	NAD 83	09/22
<i>ChartTitle: Willamette River Portland to Walnut Eddy</i>					
Main Panel 1746 WILLAMETTE RIVER PORTLAND TO WALNUT EDDY. Page/Side: N/A					
LAST EDITION	No new editions of chart 18528 will be published. It will be canceled on 06-Apr-22. 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 --	--
18529	11th Ed.	01-JUN-18	Last LNM: 38/08	NAD 83	09/22
<i>ChartTitle: Willamette River Walnut Eddy To Newburg</i>					
Main Panel 1748 WILLAMETTE RIVER WALNUT EDDY TO NEWBURG - -. Page/Side: -					
LAST EDITION	No new editions of chart 18529 will be published. It will be canceled on 06-Apr-22. 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 --	--
18551	8th Ed.	01-FEB-04	Last LNM: 18/17	NAD 83	09/22
<i>ChartTitle: FRANKLIN D. ROOSEVELT LAKE Southern part</i>					
Main Panel 1781 FRANKLIN D ROOSEVELT LAKE SOUTHERN PART . Page/Side: N/A					
LAST EDITION	No new editions of chart 18551 will be published. It will be canceled on 06-Apr-22. 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 --	--
18553	7th Ed.	01-APR-04	Last LNM: 18/17	NAD 83	09/22
<i>ChartTitle: FRANKLIN D. ROOSEVELT LAKE Northern part</i>					
Main Panel 1783 FRANKLIN D ROOSEVELT LAKE NORTHERN PART LEFT PANEL. Page/Side: N/A					
LAST EDITION	No new editions of chart 18553 will be published. It will be canceled on			NOS --	--

navigation

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

Hein Bank Lighted Buoy 1 (LLNR 16362)
Rosario Strait Traffic Separation Lane Lighted Buoy "RA" (LLNR 16370)
Puget Sound Traffic Separation Lane Lighted Buoy "SA" (LLNR 16405)
Puget Sound Traffic Separation Lane Lighted Buoy "SF" (LLNR 16745)
Puget Sound Traffic Separation Lane Lighted Buoy "SG" (LLNR 16815)
Rosario Strait Traffic Separation Lane Lighted Buoy "C" (LLNR 19520)
Rosario Strait Traffic Separation Lane Lighted Buoy "CA" (LLNR 19535)

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

Charts: 18400 18421 18441 18465

LNM: 36/21

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 - WILLAPA BAY -GRAYS HARBOR –PUGET SOUND – Replacement of incandescent Lights with LED lanterns

The U.S. Coast Guard is proposing to replace the following incandescent lantern with LED lanterns at sites on the Columbia River, Willapa Bay, Grays Harbor, Bellingham Channel and Eagle Harbor. These current incandescent lanterns have a single or dual beam of high intensity, with an all-around light of reduced intensity. The change to a LED lantern will remove the high intensity beams, but significantly increase the intensity of the all-around light. The proposed sites are:

Svensen Island Light 12 (LLNR 14775) the high intensity beam will be removed and the intensity of the light will be increased.
Willapa River Light 39 (LLNR 15340) the high intensity beams will be removed and the intensity of the light will be increased.
South Willapa Bay Light 7 (LLNR 15410) the high intensity beam will be removed and the intensity of the light will be increased.
Long Island Junction Light (LLNR 15435) the high intensity beam will be removed and the intensity of the light will be increased.
Aberdeen Harbor Light 3 (LLNR 15900) the high intensity beam will be removed and the intensity of the light will be increased.
Johns River Entrance Light 8 (LLNR 15955) the high intensity beams will be removed and the intensity of the light will be increased.
Eagle Harbor Light 4 (LLNR 18010) the high intensity beam will be removed and the intensity of the light will be increased.
Bellingham Channel Light 5 (LLNR 19175) the high intensity beams will be removed and the intensity of the light will be increased.

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

Charts: 18421 18441 18502 18504 18523

LNM: 04/22

WASHINGTON – PUGET SOUND –STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA - Removal of ball topmarks from Isolated Danger Buoys

The U.S. Coast Guard is proposing to remove the two black ball topmarks from the Isolated Danger Buoys listed below. This action is due to recurring damage of the topmarks from weather events, and the debris has interfered with the visibility of the light signal.

Tolivia Shoal Isolated Danger Lighted Bell Buoy DTS (LLNR 17265)
Blakely Island Shoal Isolated Danger Lighted Buoy DS (LLNR 19430)
Reid Rock Lighted Isolated Danger Buoy DR (LLNR 19630)
Boundary Pass Shoal Isolated Danger Lighted Bell Buoy DR (LLNR 19815)

Mariners are encouraged to share comments on the performance and operation of these lights as aids to navigation. All comments should be sent to the email address D13-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

Charts: 18421 18448

LNM: 07/22

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: 09/22

SUMMARY OF DREDGING OPERATIONS

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

LNM: 09/22

SUMMARY OF MARINE EVENTS

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

LNM: 09/22

OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Bridge construction notice (Revised from LNM 04/21)

ODOT is conducting 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 will be 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 will span from the south bank to the North approx. 880 feet. This system will be built in April 2021 and 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.

Chart 18561

LNM: 06/21

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Bridge notice

ODOT is conducting a bridge deck replacement project on the SR 197 Highway Bridge (LLNR 12133) at Columbia RM 191.6 near The Dalles, OR and Dallesport WA. A work access and containment platform will be suspended beneath the bridge starting in mid-August and will be in place continuously until 27 May 2022. While in place, the vertical navigation clearance will be reduced by approximately 3 feet to a minimum clearance of 97 feet Columbia River datum OHW. If a vessel needs the full 100 feet of vertical clearance for passage through the subject bridge, contact the ODOT Resident Engineer with no less than 12 hours of notice. For more information, or to make a request, contact ODOT Resident Engineer Brad DeHart at (541) 296-2800 or bradley.k.dehart@odot.state.or.us.

Chart 18532

LNM: 31/21

WASHINGTON – GRAYS HARBOR – ABERDEEN – Bridge Notice

WSDOT will be inspecting the Chehalis River Bridge (US-101) (LLNR 15897) at Chehalis River mile 0.1, at Aberdeen, WA. The inspection will take place between 0800 and 1500 on 07 – 10 Mar 2022. 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. No impact to the navigational clearance will occur. The vertical clearance will temporarily be reduced with the UBIT bucket, but the UBIT will give way to tall marine vessels. Mariners are advised to use caution while transiting the area. UBIT bucket will display a flashing amber light on the bottom and a safety lookout will be on the bridge. Bridge openings will occur as usual. For additional information, contact Ryan Collins, P.E. at (564) 200-2085 or collinsr@wsdot.wa.gov

Chart 18502

LNM: 03/22

WASHINGTON – LAKE WASHINGTON – SAMMAMISH RIVER – West Sammamish River Bridge Notice (Revised from LNM 13/20)

Construction on the West Sammamish River Bridge at Sammamish River mile 0.5 near Kenmore, Washington is ongoing and will continue through October 2023. The western bridge will be removed and a new bridge constructed. Mariners may transit through the construction zone, but are advised that temporary work piers will be constructed on the west side of the bridge, and will reduce the horizontal span to 40 feet of clearance. Containment will be installed under the bridge reducing the vertical clearance from 11.5 feet to 10.5 feet measured at OHW. Working hours will normally be from 0600 to 1800 six days per week, however, during the in water work window of 01 Jul to 31 Aug, operations will be 24 hours per day. If construction falls behind schedule, the work hours may shift to 24 hours/seven days per week. For more information regarding construction, contact Jake Brockmoller at (253) 888-2514, or Mick Cannon at (253) 377-1041.

Chart 18447

LNM: 05/21

IDAHO – LAKE COEUR D’ALENE – LAKE PEND OREILLE – BNSF Railroad Bridge construction update

BNSF Railway Company (BNSF) is continuing construction on the new BNSF Railroad Bridge 3.9 (LLNR 20087) located over Lake Pend Oreille (LPO) Mile 2.7, located approximately at 48-16-20 N, 116-32-39 W, in Sandpoint, ID from the start of LPO winter draw-down levels as of 01 Oct 2021 through the start of LPO summer fill-up beginning 01 May 2022. This notice reflects updates to the next project phase work activities required due to the seasonal fluctuation of LPO water levels. Work barges will be staged along the work corridor with support from upland staging areas, primarily from the south shore of LPO, near East Algoma along the BNSF right-of-way (ROW). Hours of construction activities will generally be 0730 to 1600, Monday to Saturday. An Ames-owned tugboat, Audrey B, will position barges and provide other on-water support within the BNSF 200’ ROW west of the existing BNSF Bridge 3.9. The Audrey B can be hailed on VHF-FM channels 13 and 16. One of the two published navigation channels at the existing BNSF Bridge 3.9 spans 67 and 68 and half of the existing spans 2 and 3; 14 through 17; 27 through 30; 40 through 43; 53 through 56; 84; and 95 through 97 will remain unobstructed during all work activities. Vertical clearance of the existing bridge will be unchanged. The temporary work trestles and work barges will have navigation lights and work zone buoys in accordance with the Navigation Rules (COLREGS-Inland). Enclosure (4) of LNM 02/22 displayed the project vicinity, locations of high and low-water work areas, for this phase of the work activities. Changes to the work locations and activities will be updated by a subsequent LNM in the Spring of 2022. During all phases and locations, the noted navigational buoy-safety lighting for the work areas will be in place. The point of contact for the bridge contractor, Ames Construction, Inc. is Mike Pamperin at (612) 741-6535; MikePamperin@amesco.com. For additional information contact the BNSF Project Manager, Ryan Kopera at (913) 284-3467; Ryan.Kopera@BNSF.com.

Chart 18554

LNM: 51/21

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

The USACE Portland and Walla Walla Districts will implement the winter seasonal lockage schedule, beginning in September until 15 May 2022, for the passage of recreational craft through the Columbia and Snake River navigation locks. The Portland District will begin the winter lockage schedule on 30 Sep, while the Walla Walla District will commence the winter schedule on 18 Sep. 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
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COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

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) 543-3253 x231	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 x231	WUJ 44
Lower Granite Lock	Snake River Mile 107.5	(509) 843-1493 x231	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 vessels 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) 527-7112.

Charts: 18532 18533 18535 18536 18537 18539 18541 18545 18546 18547

LNLM: 35/21

COLUMBIA RIVER – SNAKE RIVER – 2022 Annual Lock closures for maintenance

The USACE Portland and Walla Walla Districts have scheduled the annual navigation lock maintenance closure for February and March 2022. During this time, the Locks and Dams on the Columbia and Snake Rivers have scheduled inspections, maintenance, and repair work. Non-routine work includes gate cleaning, structural inspections, and equipment/machinery repair and replacement. All eight (8) of the navigation locks will close beginning in February in accordance with the following schedule:

Columbia River navigation lock maintenance closures are:

- Bonneville (RM 146.1) – 0600 on 13 Feb to 2359 on 12 Mar 2022
- The Dalles (RM 191.5) – 0600 on 13 Feb to 2359 on 19 Mar 2022
- John Day (RM 215.6) – 0600 on 13 Feb to 2359 on 05 Mar 2022
- McNary (RM 292) – 0600 on 13 Feb to 2359 on 13 Mar 2022

Snake River navigation lock maintenance closures are:

- Ice Harbor (RM 9.7) – 0600 on 13 Feb to 2359 on 12 Mar 2022
- Lower Monumental (RM 41.6) – 0600 on 19 Feb to 2359 on 19 Mar 2022
- Little Goose (RM 70.3) – 0600 on 14 Feb to 2359 on 12 Mar 2022
- Lower Granite (RM 107.5) – 0600 on 25 Feb to 2359 on 19 Mar 2022

For additional information regarding Bonneville, The Dalles and John Day lock maintenance closures, contact Portland District, Operations Division at (503) 808-5419. For additional information regarding McNary, Ice Harbor, Lower Monumental, Little Goose and Lower Granite lock maintenance closures, contact Walla Walla District, Operations Division, at (509) 527-7364.

Charts: 18532 18533 18539 18541 18545 18546 18547

LNLM: 41/21

SNAKE RIVER – LAKE SACAJAWEA AND LAKE HERBERT G. WEST – Upstream floating guidewall restrictions (Revised from LNM 10/21)

Repairs at the Ice Harbor Lock and Dam and the Little Goose Lock and Dam upstream floating guide walls are now completed, so all restrictions regarding the use of the floating guide wall are now lifted. However, restrictions still apply at the following project:

- Lower Monumental Lock and Dam, Snake River Mile 41.6, vessels may not tie up to or rub against the floating guidewall when approaching or leaving the lock, nor should they use the guidewall as a pivot point for entering the lock. These restrictions will remain in place until more substantial repairs can be made to the locks' floating guidewall cables. For additional information on this work, contact the NWW Operations Division at (509) 527-7364.

Charts: 18545 18546

LNLM: 04/22

OREGON – CAPE BLANCO TO YAQUINA HEAD – Scientific equipment installation

Oregon State University (OSU) has installed four, 1-mile long, 10-inch diameter, steel conduits under the seafloor running out from Driftwood Beach State Recreation Site near Seal Rock, Oregon, as part of the construction of the PacWave South Wave Energy Test Site. In mid-2023, subsea cables will be installed in the conduits to carry power and data from the test site to shore. Until the cables are installed, the seaward end of the conduits may protrude up to 3 feet vertically and 10 feet horizontally from the seafloor depending on sand movement. Once the cables are installed, the final placement of the conduits will be below the seafloor. The conduit punch outs are located approximately 1500 yards offshore from Driftwood Beach, which is between Seal Rocks and Waldport.

Until the subsea cables are installed, mariners are requested to avoid anchoring or setting fishing gear in a 1,000 x 1,500-foot Conduit Punch Out Area around the conduit exit locations due to risk of snagging on any exposed conduit. The location of the Conduit Punch Out Area was shown in the graphic attached as Enclosure (4) to LNM 52/21. If crab pots, or other equipment, becomes snagged in this area, mariners are asked to contact OSU prior to attempting to recover the snagged items. For more information contact Brett Hembrough at (541) 737-9023 and brett.hembrough@oregonstate.edu, or Dan Hellin at (541) 745-8337 and dan.hellin@oregonstate.edu.

Chart 18580

LNLM: 49/21

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 are being placed at the following locations for evaluation:

On the Columbia, Snake and Willamette Rivers:

- Columbia River Entrance Lighted Buoy 3 (LLNR 9911), set on 1/13/2022
- Desdemona Sands Lighted Buoy 22 (LLNR 9990), set on 1/13/2022
- Hood River Lighted Buoy 36 (LLNR 11932), set on 12/14/2021

COLUMBIA RIVER SYSTEM AND WASHINGTON - Testing of prototype plastic buoys

Bonneville Pool Lighted Buoy 69 (LLNR 12130)
Lake Celilo Buoy 45 (LLNR 12360), set on 9/28/2021
Lake Wallula Lighted Buoy 2 (LLNR 12815), set on 10/04/2021
Snake River Buoy 14 (LLNR 13195), set on 9/30/2021
Snake River Buoy 18 (LLNR 13210)
Elk Rock Buoy 10 (LLNR 15005), reset on 1/06/2022
Elk Rock Buoy 12 (LLNR 15010)

In Grays Harbor and Admiralty Inlet Washington:
Point Chehalis Lighted Buoy 4 (LLNR 15990)
Point Wilson Lighted Buoy 6 (LLNR 16470), set on 12/16/2021

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: 03/22

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – WILLOW – Safety Zone for the Columbia River Outfall Project

A safety zone will be in effect from 0001 on 01 Oct 2021 through 2359 on 15 Mar 2022 for a marine construction project, that includes dredging operations, on the Columbia River near RM 95.8 – 96.1, on the Washington side of the navigable channel. The safety zone would cover all navigable waters of the Columbia River, surface to bottom, encompassed by a line connecting the following points:

beginning at the shoreline at 45-43-57.0 N, 122-45-21.0 W,
then west to 45-43-58.0 N, 122-45-33.0 W,
then south to 45-43-39.0 N, 122-45-35.0 W,
then east to 45-43-39.0 N, 122-45-21.0 W, and along the shoreline back to the beginning point.

No vessel or person will be allowed to enter the safety zone without obtaining permission from the Captain of the Port Sector Columbia River, or a designated representative, via VHF-FM Channel 16, or by calling (503) 209-2468.

Chart 18525

LNM: 37/21

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Shoaling protruding into Reed Island Reach

Due to shoaling extending south into the Reed Island Reach Channel south of Reed Island, the US Coast Guard has relocated Reed Island Reach Lighted Buoy 61 (LLNR 11580) to approximate position 45-32-46.318N 122-18-02.052W. This position is near the center of the channel. Vessels transiting Reed Island Reach should navigate on the southern edge of the channel between longitudes 122-17-30.0W and 122-18-25.0W (RM 125+40 to 126+40) and proceed with caution.

Chart 18531

LNM: 30/21

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Bridge demolition activities

Advanced American Construction (AAC) will be conducting bridge pier demolition in the Columbia River at the mouth of Little White Salmon River / Drano Lake, at Columbia River mile 162, at the BNSF Little White Salmon River Railroad Bridge. Onsite work is expected to occur from 31 Jan – 15 Apr 2022. AAC's Derrick Barge AAC Millennium and work barges will be on station and monitoring VHF-FM channel 16 during the working hours of 0700 through 1700, Monday through Saturday. The floating equipment will remain on-station during non-working hours and will be illuminated at night by fixed white lights on all corners. A navigation channel will be maintained at all times, but mariners are asked to transit the area with caution and minimize wake. Please contact Scott Miller at (503) 568-4313 or ScottM@CallAAC.com with questions.

Chart 18532

LNM: 04/22

OREGON – WILLAMETTE RIVER – WALNUT EDDY TO NEWBERG – Marine construction exposed piles

Harbor Offshore, Inc. has completed the first phase of a construction project which included pile driving operations in the vicinity of the Raw Water Pump Station on the Willamette River near Wilsonville, OR. There are a total of six 14x89 H-Pile installed in an East-West Row that remain above waterline in approximate position 45-17-36.96 N, 122-46-57.96 W. All vessel traffic should be aware of these pilings when navigating in this area. The piles are planned to remain in their current configuration exposed above the waterline until June 2022. For additional information, please contact Lauren Collins at (707) 389-0678 or lcollins@harboroffshoreinc.com.

Chart 18528

LNM: 49/21

WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing

The Naval Undersea Warfare Center (NUWC) at Keyport, WA will be continuing operations in the vicinity of NUWC between University Point, the Brownsville Marina and Keyport through 23 Dec 2022. 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 small craft will monitor VHF-FM channels 12 and 16. The call sign for the small craft will be "Keyport Range Control". All craft transiting the area are requested to exercise caution and maintain a sharp lookout for possible semi-submerged vehicles while the range is in operation. Questions can be directed to Keyport Range Control on VHF-FM channels 12 and 16 or by contacting the Pacific Northwest Range Management and Ops Division, Range Control Branch, at (360) 396-2313.

Chart 18446

LNM: 02/22

WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Acoustic research buoy

SMRU Consulting will be testing one acoustic buoy in a location just offshore of Spring Beach near Shoreline from 15 December 2021 until 20 March 2022. A Buoy 2 foot in diameter will be located in approximate position 47-44-18.524 N, 122-23-03.563 W. The buoy will be monitoring underwater acoustic noise and will be in operation (unmanned) 24 hours a day and marked with a FL Y 6s (flashing yellow six second) light. Mariners are requested to keep a safe distance from the buoy. For additional information, contact Jason Wood at (360) 298-0166 or jw@smruconsulting.com.

Chart 18446

LNM: 48/21

WASHINGTON – PUGET SOUND – ELLIOTT BAY - Colman Dock construction

Washington State Ferries is conducting demolition and construction operations at the Colman Docks, scheduled to be completed in the summer of

WASHINGTON – PUGET SOUND – ELLIOTT BAY - Colman Dock construction

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

Chart 18450

LNM: 27/17

WASHINGTON – PUGET SOUND – ELLIOT BAY – DUWAMISH WATERWAY – Terminal 5 pier construction

Orion Marine will be continuing the marine construction activities associated with the Terminal 5 Berth Modernization Project for the Port of Seattle on the Duwamish River west waterway. Phase 2 of the project includes pile installation and new pier construction for and will run through Aug 2023.

Work will typically take place from 0700 to 1700, Monday thru Friday. The DB Rainier and DB St. Helens, will each have a material barge moored alongside and will always remain on site. Each floating plant will have all corners marked with steady burn white lights. The DBs will run on anchors at times so mariners are requested to keep at least a 200-foot distance. The crane and tugs will monitor VHF-FM channel 13. For additional information please contact Jesse Galligan at (253) 552-1140 or email at jjgalligan@orionmarinegroup.com.

Chart 18450

LNM: 02/22

WASHINGTON – PUGET SOUND – HOOD CANAL – Pier construction

Manson Construction will be conducting pier demolition and construction activities in Hood Canal on Navy Base Kitsap Bangor from 17 July 2020 through Jun 2022. The project will consist of demolition of existing pier, pile driving and construction of a 500' pier extension. Operations will Monday through Friday 0600 – 1630. There will be a derrick on site and a pile driver barge with multiple barges and a work skiff. Bangor Control Tower will be using VHF-FM channel 88A. Mariners are requested to reduce speed and minimize wake in the area for the safety of the personnel and equipment. For more information contact the US Navy POC Dennis Wiechmann at (360) 315-4084 email dennis.e.wiechmann@navy.mil or the Manson Construction superintendent Brian Dorning at (206) 718-8626.

Charts: 18458 18476

LNM: 28/20

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – POINT ROBERTS – Acoustic research buoy

SMRU Consulting will be testing an acoustic buoy in a location off the western side of Point Roberts, from 07 Dec 2021 until 18 Mar 2022. A buoy 2 foot in diameter will be located in approximate position 48-59-08.9 N, 123-06-07.8 W, which is approximately 1400 yards offshore and 1700 yards south of the US-Canada border. The buoy will be monitoring underwater acoustic noise, will be in operation (unmanned) 24 hours a day, and marked with a FL Y 6s (flashing yellow six second) light. No VHF-FM channels will be used. Mariners are requested to keep a safe distance from the buoy. For additional information, contact Jason Wood at (360) 298-0166 or jw@smruconsulting.com.

Chart 18421

LNM: 44/21

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

The National Oceanic and Atmospheric Administration (NOAA) is undertaking a multi-year program to end production and maintenance of its suite of over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChart™ PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer.

Six months prior to 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.

LNM: 10/21

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
9817	<i>Tillamook Bay Entrance Lighted Bell Buoy 2</i>	45-34-15.251N 123-58-20.275W	Q R		3	Red.	09/22
15210	WILLAPA RIVER JUNCTION LIGHT	46-41-21.648N 124-00-05.772W	Fl (2+1)R 6s	18	4	JR on multi-pile structure.	09/22
*	*	*	*	*	*	*	*
15380	WILLAPA RIVER LIGHT 56	46-40-39.493N 123-46-48.574W	Q R	17	4	TR on pile.	09/22
	*	*		*		*	

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15385	WILLAPA RIVER LIGHT 59	46-40-45.463N 123-45-58.035W	Fl G 2.5s	17	4	SG on pile.	09/22
		*		*		*	
15400	SOUTH WILLAPA BAY LIGHT 3						Remove from list. 09/22
							*
17480	OLYMPIA INNER RANGE FRONT LIGHT	47-04-03.995N 122-54-31.046W	Q W	13		KRB on multi-pile structure.	Visible 14° each side of rangeline. 09/22
		*		*		*	

ENCLOSURES

Enclosure 1

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

LNM: 09/22

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 09/22

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 09/22

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						
	9367	Reedsport Highway 101 Bridge	Reedsport, OR	Mechanical failure. 24 hour advance notice required	1/26/2022	0111-22
COLUMBIA RIVER						
	13607	Joso Railroad Bridge	Joso, WA	Multiple lights extinguished	1/27/2022	0118-22
	13617	Sargent Railroad Bridge	Sargent, WA	South Pier Light extinguished	1/27/2022	0119-22
SNAKE RIVER						
	None					
WILLAMETTE RIVER						
	None					
WASHINGTON COAST						
	None					
PUGET SOUND						
	16887	1st Ave South Highway Twin Bridge	Seattle, WA	Damaged; cannot open when winds exceed 10kts Mariners call bridge operator prior to transit	2/17/2022	0163-22
	18340	SR-520 Evergreen Point Highway Bridge	Seattle, WA	West channel, green center light extinguished	12/13/2021	0908-21
	18398	I-90 Highway Bridge (east channel)	Seattle, WA	Green center light extinguished	12/13/2021	0909-21
	18594.11	SR-529 Highway Bridge (NB)	Everett, WA	Stuck in the closed to navigation position	1/25/2022	0103-22
IDAHO						
	20070	Trail of the Coeur d'Alenes RR Bridge	Chatcolet, ID	Multiple lights extinguished and/or operating intermittently	11/9/2021	None

BRIDGE CORRECTIONS						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
	None					
COLUMBIA RIVER						
	None					
SNAKE RIVER						
	None					
WILLAMETTE RIVER						
	None					
WASHINGTON COAST						
	None					
PUGET SOUND						
	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
1-Nov-21	28-Feb-22	24 Hrs / Mon-Fri	Columbia River; Port of Astoria Piers 1-3 (RM 13)	M/V Felkins	None	VHF-FM 13 & 16	Ashore	44/21
21-Feb-22	26-Feb-22	0700-1700	Columbia River; CR Bar Pilot facility (RM 14.7)	Bergerson Const	Olaf J	VHF-FM 13, 16, & 17	I-W via pipeline	08/22
1-Nov-21	28-Feb-22	24 Hrs / 7 Days	Columbia River; Port of Chinook Boat Basin	Port of Ilwaco Dredge	Port Skiff	VHF-FM 69	Ashore	49/21

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

USACE dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed with caution after 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
6-Mar-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
13-Mar-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
19-Mar-22	1230-1630	OCSA Sailboat Race -RCYC Frostbite Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
21-Mar-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Mar-22	0830-1530	Awakening of the dragon Eye Dotting Ceremony	Willamette River between Marquam and Hawthorne Bridges in Portland, OR
28-Mar-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
4-Apr-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
9-Apr-22	1230-1630	OCSA Sailboat Race -PYC Opening Day	Columbia River between I-5 and I-205 Bridges, Portland, OR
10-Apr-22	1230-1630	OCSA Sailboat Race -PYC Opening Day	Columbia River between I-5 and I-205 Bridges, Portland, OR
11-Apr-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
14-Apr-22	1230-1630	OCSA Sailboat Race -SYSCO Race Clinic	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-Apr-22	1230-1630	OCSA Sailboat Race -SYSCO COB Challenge	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-Apr-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
19-Apr-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
21-Apr-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
23-Apr-22	0730- 1530	Rusty Iron	Columbia River From Frenchmans Bar Regional Park, Vancouver, WA around Caterpillar Island and back
25-Apr-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Apr-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
28-Apr-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
29-Apr-22	0800-1900	Strong Racing Hydroplane Testing	Columbia River, Pasco, WA
2-May-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
3-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR

MARINE EVENTS

Enclosure (3)

5-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
7-May-22	1030-1430	Opening Day Columbia River Yachting Association	Columbia River between I-5 and I-205 Bridges, Portland, OR
8-May-22	1630-2100	OCSA Sailboat Race -R20 "1972 Disco Party" BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
9-May-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
10-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
12-May-22	1630-2100	OCSA Sailboat Race -CYC Pacific NW Offshore	Columbia River between I-5 and I-205 Bridges, Portland, OR
12-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
13-May-22	1630-2100	OCSA Sailboat Race -CYC Pacific NW Offshore	Columbia River between I-5 and I-205 Bridges, Portland, OR
14-May-22	1630-2100	OCSA Sailboat Race -CYC Pacific NW Offshore	Columbia River between I-5 and I-205 Bridges, Portland, OR
15-May-22	1630-2100	OCSA Sailboat Race -CYC Pacific NW Offshore	Columbia River between I-5 and I-205 Bridges, Portland, OR
15-May-22	1630-2100	OCSA Sailboat Race -RCYC "Fly Your Bags" BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-May-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
17-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-May-22	0630- 1530	Columbia River Splash 2022	Columbia river mile 111 Near West End of Lemon Island, Portland, OR
19-May-22	0530-1830	Vancouver USA H1 Unlimited Exhibition	Columbia River between I-5 bridge and Vancouver Marine Park
19-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
20-May-22	0530-1830	Vancouver USA H1 Unlimited Exhibition	Columbia River between I-5 bridge and Vancouver Marine Park
22-May-22	1230-1630	OCSA Sailboat Race - OWSA "Tropical Dreams" BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
23-May-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
24-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-May-22	1800-2130	OCSA Sailboat Race -Spring Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
27-May-22	1200-1730	Boatnik 2022	Rogue River at Grants Pass, OR
28-May-22	1200-1730	Boatnik 2022	Rogue River at Grants Pass, OR
29-May-22	1200-1730	Boatnik 2022	Rogue River at Grants Pass, OR
30-May-22	1200-1730	Boatnik 2022	Rogue River at Grants Pass, OR

MARINE EVENTS

Enclosure (3)

30-May-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
31-May-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
2-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
3-Jun-22	0630-1730	Tri City Water Follies Spring Testing	Columbia River, Kennewick, WA
5-Jun-22	1230-1630	OCSA Sailboat Race -PYC Rose Festival Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
6-Jun-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
7-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
9-Jun-22	1800-2130	OCSA Sailboat Race -SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
11-Jun-22	0700-1800	Portland Rose Festival	Willamette River between Marquam and Hawthorne Bridges in Portland, OR
12-Jun-22	0700-1800	Portland Rose Festival	Willamette River between Marquam and Hawthorne Bridges in Portland, OR
12-Jun-22	1230-1630	OCSA Sailboat Race -Single Handed BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
13-Jun-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
14-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-Jun-22	1330-2130	OCSA Sailboat Race RCYC Medium Distance Race	Columbia River; Buoy 14 east to Ackerman Island and back, Portland, OR
20-Jun-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
21-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
21-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
22-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
23-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
23-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
24-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
24-Jun-22	0730-1930	Richland Regatta	Columbia River, Kennewick, WA
25-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA

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25-Jun-22	0730-1930	Richland Regatta	Columbia River, Kennewick, WA
26-Jun-22	1700-2130	OCSA Sailboat Race - SYSCO Grow the Sport BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
26-Jun-22	0730-1100	Portland Sharkfest Swim	Willamette River; Portland Fire and Rescue Station 21 to Duckworth dock
26-Jun-22	730-1930	Richland Regatta	Columbia River, Kennewick, WA
27-Jun-22	1830-2130	OCSA Sailboat Race - OWSA Womens Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
27-Jun-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
27-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
28-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
28-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
29-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
30-Jun-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
30-Jun-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
1-Jul-22	1000-1700	Columbia Gorge Racing Association RS Aero World Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
5-Jul-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
7-Jul-22	1800-2130	OCSA Sailboat Race - SYSCO Summer Evening Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
10-Jul-22	1230-1630	OCSA Sailboat Race -PYC Summer Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
11-Jul-22	1615-2100	OCSA Sailboat Race - ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
12-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
14-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-Jul-22	1230-1630	OCSA Sailboat Race -SYSCO Match Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
17-Jul-22	1630-2130	OCSA Sailboat Race -PYC Family Night BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-Jul-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
19-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA

MARINE EVENTS

Enclosure (3)

19-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
20-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
21-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
21-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
22-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
23-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
24-Jul-22	1630-2130	OCSA Sailboat Race -RCYC Pirates Beer Can Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
24-Jul-22	0830-1730	Columbia Gorge Racing Association US Optimist National Championship	Columbia River Between Cascade Locks, OR and Stevenson, WA
25-Jul-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Soaker	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
27-Jul-22	1300-1630	OCSA Sailboat Race -Ranger 20 Nationals	Columbia River between I-5 and I-205 Bridges, Portland, OR
28-Jul-22	1300-1630	OCSA Sailboat Race -Ranger 20 Nationals	Columbia River between I-5 and I-205 Bridges, Portland, OR
28-Jul-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
29-Jul-22	0530-1830	Tri City Water Follies Columbia Cup	Columbia River, Kennewick, WA
29-Jul-22	1300-1630	OCSA Sailboat Race -Ranger 20 Nationals	Columbia River between I-5 and I-205 Bridges, Portland, OR
30-Jul-22	0530-1830	Tri City Water Follies Columbia Cup	Columbia River, Kennewick, WA
30-Jul-22	1300-1630	OCSA Sailboat Race -Ranger 20 Nationals	Columbia River between I-5 and I-205 Bridges, Portland, OR
31-Jul-22	0530-1830	Tri City Water Follies Columbia Cup	Columbia River, Kennewick, WA
31-Jul-22	1300-1630	OCSA Sailboat Race -Ranger 20 Nationals	Columbia River between I-5 and I-205 Bridges, Portland, OR
1-Aug-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
2-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
4-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
6-Aug-22	1330-1630	OCSA Sailboat Race -SYSCO Dual Bridge Duel & CC Cup	Columbia River between I-5 and I-205 Bridges, Portland, OR
6-Aug-22	1000-1700	Smoke on the Water Hobie Cat Regatta	Columbia River, Skamokawa, WA
7-Aug-22	1000-1700	Smoke on the Water Hobie Cat Regatta	Columbia River, Skamokawa, WA

MARINE EVENTS

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8-Aug-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
9-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
11-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
13-Aug-22	1030-1330	Swim the Snake	Snake River, within Lake Bryon near Lyons Ferry State Park, WA
13-Aug-22	1045-1600	OCSA Sailboat Race -SYSCO St. Helens Race & Cruise	Columbia River between I-5 and I-205 Bridges, Portland, OR
14-Aug-22	1045-1600	OCSA Sailboat Race -SYSCO St. Helens Race & Cruise	Columbia River between I-5 and I-205 Bridges, Portland, OR
15-Aug-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
20-Aug-22	1630-2100	OCSA Sailboat Race -CYC Sport Your Colors BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
22-Aug-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
23-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
25-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
28-Aug-22	1630-2100	OCSA Sailboat Race -Cal 20 Mardi Gras BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
29-Aug-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
30-Aug-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
1-Sep-22	1800-2130	OCSA Sailboat Race -SYSCO Twilight Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
5-Sep-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
10-Sep-22	1130-2100	OCSA Sailboat Race -RCYC Long Distance Race	Columbia River between Martin Slough, Woodland, WA and Willamette River, Portland Or
11-Sep-22	0900-2100	OCSA Sailboat Race -RCYC Long Distance Race	Columbia River between Martin Slough, Woodland, WA and Willamette River, Portland Or
12-Sep-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
17-Sep-22	1230-1630	OCSA Sailboat Race -SYSCO One-Design Races	Columbia River between I-5 and I-205 Bridges, Portland, OR

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18-Sep-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
19-Sep-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
24-Sep-22	1530-2100	OCSA Sailboat Race -OWSA Out of the World BC Race	Columbia River between I-5 and I-205 Bridges, Portland, OR
25-Sep-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Sep-22	1615-2100	OCSA Sailboat Race -ISC Monday Night Racing Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
1-Oct-22	1230-1630	OCSA Sailboat Race PYC Robert A. Smith Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
2-Oct-22	1230-1630	OCSA Sailboat Race PYC Robert A. Smith Regatta	Columbia River between I-5 and I-205 Bridges, Portland, OR
2-Oct-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
9-Oct-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
16-Oct-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
23-Oct-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
30-Oct-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
6-Nov-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
13-Nov-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
20-Nov-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
27-Nov-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
4-Dec-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
11-Dec-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
18-Dec-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
25-Dec-22	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
1-Jan-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
8-Jan-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
15-Jan-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR

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22-Jan-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
29-Jan-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
5-Feb-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
12-Feb-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
19-Feb-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
26-Feb-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
5-Mar-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR
12-Feb-23	1230-1630	OCSA Sailboat Race - CYC Sailing on Sunday Series	Columbia River between I-5 and I-205 Bridges, Portland, OR

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
5-Mar-22	1100-1500	BOOMERANG NAVIGATION CONTEST	Lake Washington
5-Mar-22	0900-1700	CYC Seattle Center Sound 1st	Shilshole Bay to Blakely Rock
6-Mar-22	1200-1600	Milltown Sailing Assn - Winter Series Sailboat Race	Port Gardner and Possession Sound
19-Mar-22	1000-1800	Milltown Sailing Assn - Mid-Distance Series Sailboat Race	Port Gardner, Possession Sound, Saratoga Passage
19-Mar-22	1015-1330	Bellingham Bay Rough Water Race	Bellingham Bay
19-Mar-22	0930-2130	GHYC Islands Sailboat Race 2022	Puget Sound - Colvos Passage
19-Mar-22	0930-1100	Class Day Maritime	Union bay and Montlake Cut.
19-Mar-22	0900-1700	CYC Seattle Center Sound 2nd	North - Shilshole Bay to Scatchet Head South - Shilshole Bay to Three Tree PT
26-Mar-22	0800-1100	WSU Dual	Union Bay and Montlake Cut
26-Mar-22	1100-1700	POYC Spring Shakedown	Sinclair Inlet