



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 18/21

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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<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, 2021 Edition, and Coast Pilot Volume 10, 2020 Edition.
Light List Volume VI, 2021 Edition is available at https://www.navcen.uscg.gov/pdf/lightLists/LightList_V6_2021.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 or DGPS 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. 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 D13-0299-21	Ending BNM D13-0318-21
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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
VTS - Vessel Traffic Service
WSDOT - Washington State Department of Transportation
TSS - Traffic Separation Scheme

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

OREGON – CAPE BLANCO TO COLUMBIA RIVER – Ocean research operations

Oregon State University will be operating the research vessel Oceanus conducting ocean research operations to deploy and recover ocean bottom instruments, commencing 23 May 2021 through 21 Jun 2021. Operations will be conducted 24 hours a day. The work will proceed along the following routes:

- Line 1: 45-54.5'N 124-31.4'W to 45-49.2'N 125-40.3'W
- Line 2: 44-26.3'N 124-46.8'W to 44-29.5'N 125-27.4'W
- Line 3: 42-43.8'N 124-47.2'W to 42-40.4'N 125-10.3'W

Mariners are requested to keep a one nautical mile distance from the R/V Oceanus, which will monitor VHF-FM channels 13 and 16. For additional information, contact J. Pablo Canales at (508) 289-2893 or email jpcanales@whoi.edu.

Charts: 18520 18580 18600

LNM: 18/21

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT - Mouth of the Columbia River Jetty System Major Rehabilitation Project (Revised from LNM 11/21)

Scheduled repairs of the South Jetty have commenced and are planned to continue through 2024. The 2021 seasonal operations resumed on 05 Apr 2021, and continue into October. The equipment will be working near the observation tower that is located near the root of the jetty. Equipment will be running daylight hours only. A material off load facility has been constructed at the east end of the park; along the Columbia River, near Trestle Bay. The offload mooring barge is in place and has resumed receiving barges. The offload facility has an aerial clearance of approximately 60 ft above the water line. When there is a barge being unloaded a crane will be utilized, the aerial clearance is about 140 ft. The ends of the spuds are painted white for visibility. For questions or additional information please call or email Sherri Brenner at (503) 550-6743 or email Sheri@jemcamis.com, or the project superintendent, Aaron Anderson at (503) 791-2161 or email AAnderson@jemcamis.com.

The jetties at the Columbia River Entrance have suffered severe deterioration and may no longer be correctly represented upon the nautical charts of the area. Mariners should use caution when transiting in the vicinity of the jetties and the river entrance. Repairs of the North jetty were completed in 2019. More information may be found at the USACE Portland District web site: <http://www.nwp.usace.army.mil/jetties/>.

Chart 18521

LNM: 18/21

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – Vancouver Railroad Bridge deviation notice

The Coast Guard has approved a temporary deviation request that governs the operating schedule for the Vancouver Railroad Bridge (AKA BNSF Bridge 9.6) (LLNR 11250) across the Columbia River, RM 105.6, at Vancouver, WA. This deviation is necessary to accommodate rail joint replacements. The deviation authorizes the swing span of the bridge to remain in the closed-to-navigation position, from 0700 until 1900 on 20 May 2021. The Vancouver Railroad Bridge provides 37.0 feet of vertical clearance in the closed-to-navigation position. The bridge may be opened for emergencies if a one-hour notice is given. If the bridge opens for an emergency, the deviation will be extended past 1900. Vessels that do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge shall operate in accordance to 33 CFR §117.5 at all other times. For more information, contact Jeff Swanson at (425) 304-6663.

Chart 18525

LNM: 18/21

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – I-5 Bridge Replacement Project

All Columbia River users and stakeholders please be advised the Interstate Bridge Replacement (IBR) program, is developing a Navigation Impact Report (NIR) to develop and plan construction of a replacement bridge for Interstate 5 (I-5) between Oregon and Washington. The U.S. Coast Guard Bridge Permit Application Guide requires preparation of the NIR to assess the navigation impacts of the proposed bridge design. The NIR needs to include an accurate picture of current and prospective needs of navigation on the waterway, which requires the collection of data from waterway users.

This notice is to inform river users and stakeholders about the IBR program and solicit marine navigation user data for the Columbia River and the Oregon Slough (or North Portland Harbor) at the current bridge location (river mile 106.5). User data will be collected and considered prior to submitting a bridge permit application package to the Coast Guard.

Please submit information before 30 June 2021 by completing a waterway user survey available at: interstatebridge.org/rivernavigation. Send questions to: rivernav@interstatebridge.org, 360-859-0494 (Washington), (503) 897-9218 (Oregon), (888) 503-6735 (toll-free), or Interstate Bridge Replacement Program, 11018 NE 51st Circle, Vancouver, WA 98682-6686

For more information about the IBR program, please visit the program website: <https://www.interstatebridge.org/>.

Charts: 18525 18531

LNM: 18/21

WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – TOLIVA SHOAL - US Coast Guard Training Exercises

The US Coast Guard will enforce a Safety Zone around vessels involved in Coast Guard exercises in the vicinity of Tolliva Shoal from 0830 until 1430 on 13 May 2021. The exercise will include the use of pyrotechnics and blank firing ammunition. No person or vessel may enter or remain within 1,000 yards of any vessel involved in Coast Guard exercises between Gibson Point and the Steilacoom Ferry Terminal, unless authorized by the Captain of the Port. To request permission, vessels should contact the On-Scene Patrol Commander on VHF FM channels 16 or 22A, or the Sector Puget Sound Joint Harbor Operations Center at (206) 217-6002.

Chart 18448

LNM: 18/21

WASHINGTON – PUGET SOUND – NORTHERN PART -PORT HADLOCK – Naval Magazine Indian Island Exercise

Naval Magazine Indian Island is scheduled to conduct a Small Boat Drilling Exercise on 10 May 2021, from 0800 to 1600 local. The exercise will take place in the water near the Ammunition Pier's port security barrier at 48-04-29W 122-45-03W. There will be one 33-foot security boat, grey in color with blue lights flashing, along with one 25-foot utility boat grey in color maneuvering within the area. The vessels may be contacted via VHF-FM channel 16 and 69. Potential hazards created by the event are to include High Speed Maneuvers and blank firing from a Crew Served Weapon. It is requested vessels maintain a safe distance of 1,000 yards in all directions from the Ammunition Pier. For more information on this release, please contact MA1 Adam Moose Antiterrorism Training Team Leader, Naval Magazine Indian Island at (360) 396-5361 or email: adam.moose@navy.mil.

Chart 18464

LNM: 18/21

WASHINGTON – LAKE WASHINGTON SHIP CANAL – UNION BAY REACH – Montlake Street Bridge deviation

The Coast Guard has approved a temporary deviation to the operating schedule that governs the Montlake Street Bridge (LLNR 18240) across the Lake Washington Ship Canal, mile 5.2, at Seattle, Washington. Beginning at 0001 on 09 Aug 2021 until 1700 on 31 Oct 2021, the draws of the Montlake Bridge will be authorized to open only a single drawbridge leaf for the passage of marine vessel traffic (as opposed to the normal double leaf opening). The temporary operating schedule is described below:

Month	Day	Hour	Position	Note
09 Aug – 03 Sep	Mon-Sun	24 Hrs/day	Single leaf opening	Double leaf opening with at least 24Hr advance notice
04 Sep – 31 Oct	Fri-Mon (weekends only)	2300-0500	Single leaf opening	Double leaf opening with at least 24Hr advance notice

During this temporary deviation all requirements of CFR 33CFR§117.1051(e) which governs the Montlake Bridge remain in effect. The only change is allowing the bridge to operate in single leaf mode. This temporary deviation is in support of replacing the roadway decking. The Montlake Bridge in the closed-to-navigation position provides 30 feet of vertical navigation clearance, and 46 feet of vertical navigation clearance throughout the center 60 feet of the bridge; vertical clearance references to the Mean Water Level of Lake Washington. The bridge with both bascule leafs in the open-to-navigation position provides a horizontal navigation clearance of 129ft. During the single leaf openings, the horizontal clearance will be reduced to 64.5ft. Vessels unable to navigate through the bridge in single leaf mode with the reduced horizontal clearance may request a full opening with at least 24 hours' notice given to the bridge operator at (206) 720-3048, or via VHF-FM Channel 13. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge will only be able to give emergency responders a half opening without a 24-hour notice. The Montlake Bridge will operate per 33 CFR 117.1051(e) at the end of this deviation. For more information, contact Alyson Rae at raea@wsdot.wa.gov.

Chart 18447

LNM: 18/21

WASHINGTON – PUGET SOUND – NORTHERN PART – SARATOGA PASSAGE – US Naval Training Exercises

Explosive Ordnance Disposal Mobile Unit ONE (EODMU ONE) Expeditionary Mine Countermeasure Company 1-3 (ExMCM Co. 1-3) will be conducting training in Crescent Harbor and the Saratoga Passage from 17 May 2021 through 26 May 2021. Training will be conducted 24 hours a day. Training will include operating small craft, conducting diving, and operating Unmanned Underwater Vehicle (UUV) and Remote Operated Vehicles (ROV) to include the lifting and beaching of inert mine shapes. EODMU ONE will monitor VHF FM Channels 13, 14 and 16 and fly dive flags and "Code Alpha" while diving operations are underway. Training will include one 2lb underwater detonation in the Crescent Harbor EOD training range, at approximate position 48-16-56.0N 122-35-07.1W, with the detonations occurring during daylight hours from 24 May 2021 through 26 May 2021. Mariners are requested to keep a safe distance from this position and when in the vicinity of units conducting training. For additional information contact LT Michael Kinzie at (808) 542-1805, or EODCM Taylor Hatcher at (619) 762-7353. Two types of UUVs will be utilized during the training, the first type is black approximately 5' long and 8" in diameter, the second is gray approximately 12' long and 12" in diameter. It is requested that if found, please contact LT Kinzie or EODCM Hatcher.

Charts: 18428 18441

LNM: 18/21

OREGON – IDAHO – GPS testing

OREGON – IDAHO – GPS testing

US Strategic Command has proposed GPS testing encompassing portions of eastern Oregon and western Idaho from 14 to 30 June 2021. The center point of the test will be near Twin Falls, Idaho, at position 42-43-27.9 N, 115-35-28.6 W with a radius of 115 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Universal Time Coordinated (UTC) or Zulu time:

14 Jun through 30 June 2021 from 0600Z to 1400Z

For additional information or to express concerns, contact the Coast Guard Navigation Center at (703) 313-5900 or at <https://www.navcen.uscg.gov/?pageName=dgpsSiteInfo¤tOutages>.

LNM: 18/21

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Morrison and Hawthorne Bridge deviation

The Coast Guard intends to approve a temporary deviation from the operating schedules that govern the Morrison Highway Bridge (LLNR 14955.5) across the Willamette River at mile 12.8, and the Hawthorne Highway Bridge (LLNR 14955.6) across the Willamette River at mile 13.1, wherein on 08 Aug 2021, from 0630 – 1130, the bridges need not open for maritime traffic. This deviation is necessary to accommodate the Providence Bridge Pedal event, and authorizes the bridges to remain in the closed-to-navigation position to allow safe and timely movement of event participants during this period. The vertical clearances for these bridges, in the closed-to-navigation position, are: 69 feet for the Morrison Highway Bridge, and 49 feet for the Hawthorne Highway Bridge (all clearances are referenced to the vertical clearance above Columbia River Datum 0.0.) Vessels which do not require a bridge opening may continue to transit beneath the bridges during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. If anyone cannot support this closure, please submit your comment by 18 May 2021 to d13-smb-d13-bridges@uscg.mil.

Chart 18526

LNM: 17/21

WASHINGTON – GRAYS HARBOR – HOQUIAM RIVER – Riverside Bridge notice

WSDOT will be conducting painting and preservation on the Riverside Bridge (LLNR 16071.3) across the Hoquiam River, at river mile 0.9, near Hoquiam, WA. This maintenance period will be from 03 May – 11 Jun 2021, and operations will occur Monday – Saturday 0700 – 1800. The contracting company is Panther Industrial Painting, LLC. The work will only be on the East and West approaches, and not on the lift span. Vertical clearance at high tide is 4.8 feet, but containment will be installed that will block navigation under the approach sides of the bridge outside the limits of the protection fenders. All navigation shall be inside the protection fenders through the lift span. Draw operations will not be interrupted and shall operate in accordance with 33CFR1047 requiring a one hour's notice to open. For additional information, contact Mattheos Popyk at (574) 370-8572.

Chart 18502

LNM: 17/21

WASHINGTON – COLUMBIA RIVER TO DESTRUCTION ISLAND – Military underwater operations

The US Navy is conducting underwater operations off the coast of Washington within 10 nautical miles of position 46-43N, 125-14W from 01 - 10 May 2021. Mariners are advised to use caution when transiting the area due to submerged gear. The M/V Independence will be monitoring VHF-FM channels 16 and 13 during these operations and has requested that mariners maintain avoid transiting within 2 nautical miles. For more information contact Kevin Wolf at (805) 982-1640 or (805) 701-0784.

Chart 18500

LNM: 17/21

WASHINGTON – PUGET SOUND – PORT MADISON AND PORT ORCHARD – Scientific research

The University of Washington will be conducting a tidal energy study at the south end of Agate Pass from 10 Jun through 02 Jul 2021. 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, 60 flashes per minute). 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: 17/21

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – SR 520 Evergreen Point Highway Bridge maintenance (Revised from LNM 15/21)

WSDOT and Graham Contracting will be conducting bridge maintenance and repairs to the SR 520 Evergreen Point Highway Bridge (LLNR 18340) over the west navigation channels. Operations have been delayed and are now expected to run from 03 – 12 May 2021 from 0700-1730 daily on weekdays only. An under bridge inspection truck (UBIT) will be onsite and conducting repairs from the bridge deck surface. An articulating boom or arm will be present above the channel and beneath the bridge, reducing the total vertical navigation clearance of the channel. Actual vertical navigation clearance will vary depending on configuration of the UBIT. The UBIT bucket will have a flashing amber caution light on the bottom of the bucket. Mariners are requested to use caution while transiting the area and to avoid (if possible) transiting beneath the UBIT. For additional information, call Graham Contracting at (425) 577-0841.

Chart 18447

LNM: 17/21

WASHINGTON – STRAIT JUAN DE FUCA TO STRAIT OF GEORGIA – BIRCH BAY – Scientific research platform

The Washington Department of Fish and Wildlife will have a research platform deployed to conduct biological research in the vicinity of Birch Bay, just south of Birch Point, in approximate position 48-56-12.984 N, 122-49-01.164 W, from 22 Apr until 30 Jun 2021. The research platform is a 10-foot square raft with no decking on top. The research platform will be marked with reflective tape on all four sides and two orange flags. The research platform will be anchored and have anchor lines extending at least 50 feet from all four corners. Mariners are requested to keep a safe distance from the research platform and the anchors. For additional information, contact Dr. Todd Sandell at Todd.Sandell@dfw.wa.gov or at (425) 287-2877.

Chart 18421

LNM: 17/21

OREGON – IDAHO – GPS testing

US Strategic Command has proposed GPS testing encompassing portions of eastern Oregon and western Idaho from 01-12 Jun 2021. The center point of the test will be near Twin Falls, Idaho, at position 42-29-04.0 N, 115-36-38.0 W with a radius of 166 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Universal Time Coordinated (UTC) or Zulu time:

01 Jun: 1900Z – 2400Z
02 Jun: 0000Z – 0100Z & 1500Z – 2400Z
03 Jun: 0000Z – 0100Z & 1900Z – 2400Z
04 Jun: 0000Z – 0100Z & 1500Z – 2400Z
05 Jun: 0000Z – 0100Z & 1500Z – 2400Z
06 Jun: 0000Z – 0100Z & 1500Z – 2400Z
07 Jun: 0000Z – 0100Z & 1500Z – 1830Z & 2300Z – 2400Z
08 Jun: 0000Z – 0100Z & 1500Z – 1830Z & 2300Z – 2400Z
09 Jun: 0000Z – 0100Z & 1500Z – 1830Z & 2300Z – 2400Z
10 Jun: 0000Z – 0100Z & 1500Z – 1830Z & 2300Z – 2400Z
11 Jun: 0000Z – 0100Z & 1500Z – 1830Z & 2300Z – 2400Z
12 Jun: 0000Z – 0100Z

For additional information or to express concerns, contact the Coast Guard Navigation Center at (703) 313-5900 or at <https://www.navcen.uscg.gov/?pageName=dgpsSiteInfo¤tOutages>.

LNM: 17/21

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – Waterway User survey

The Coast Guard is conducting a user survey in the Lower Columbia River from the Entrance at the Pacific Ocean to Astoria including side channels such as Baker Bay Channel, Skipanon Channel, Youngs Bay and Chinook. The Coast Guard uses Waterways Analysis and Management Systems (WAMS) to validate the adequacy of the existing aids to navigation (AtoN) system, as well as to get a better understanding of the uses of each waterway and general safety issues. WAMS focuses on the waterway's present AtoN system, marine casualty information, port and harbor resources, changes in recreational and commercial marine vessel usage and future development and dredging projects. The survey is available at the Coast Guard District 13 WAMS website <https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Divisions/-dpw/-wams/>. The deadline for survey entries will be 31 Jun 2021. For additional information please contact LTJG Katie Matha at (206) 220-7283. Questions or completed surveys should be emailed to D13-SMB-D13-DPW@uscg.mil.

Chart 18521

LNM: 16/21

WASHINGTON – GRAYS HARBOR – HOQUIAM RIVER – Simpson Avenue Bridge Inspection

WSDOT will be inspecting the Simpson Avenue Bridge (LLNR 16071.2) on US 101 across the Hoquiam River at river mile 0.5 near Hoquiam, WA. The inspection will take place between 0800 and 1500 on 10 – 11 May 2021. 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 will be no impact to the navigational clearance from this operation (~10 ft. of vertical clearance will be reduced while the bucket is under the bridge, however the UBIT will promptly give way to tall marine vessels). Mariners are advised to use caution while transiting under the bridge. The UBIT bucket will have a flashing amber light on the bottom, and a safety lookout will be on the bridge. Normal bridge openings will not be interrupted. For additional information, contact Mr. Loren Wilson at (253) 549-8246 or email wilson@wsdot.wa.gov.

Chart 18502

LNM: 16/21

WASHINGTON – GRAYS HARBOR – HOQUIAM RIVER – Riverside Bridge Inspection

WSDOT will be inspecting the Riverside Bridge (LLNR 16071.3) across the Hoquiam River at river mile 0.9 near Hoquiam, WA. The inspection will take place between 0800 and 1500 on 12 – 13 May 12th 2021. 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 will be no impact to the navigational clearance from this operation (~10 ft. of vertical clearance will be reduced while the bucket is under the bridge, however the UBIT will promptly give way to tall marine vessels). Mariners are advised to use caution while transiting under the bridge. The UBIT bucket will have a flashing amber light on the bottom, and a safety lookout will be on the bridge. Normal bridge openings will not be interrupted. For additional information, contact Mr. Loren Wilson at (253) 549-8246 or email wilson@wsdot.wa.gov.

Chart 18502

LNM: 16/21

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA and Entrance – Limited marine services

Mariners are reminded that due to ongoing COVID-19 restrictions, some tribal and Canadian marinas and boat ramps are closed to the general public. It is highly recommended that boaters verify available services during voyage planning prior to getting underway.

Of particular note, the Makah Reservation and Neah Bay remain closed to all visitors, which includes the Makah Marina, boat ramp and fuel sales. For current updates into the closures, please contact the Harbormaster at (360) 645-3015 or the Big Salmon Fishing Resort at (866) 787-1900. Restrictions are also in place at La Push and the Quileute Marina. Fuel sales are available on a case-by-case basis at Quileute, but visitors will be unable to depart their vessel. Mariners are requested to call the Marina ahead of time to verify availability at (360) 374-5392.

Chart 18480

LNM: 16/21

WASHINGTON – APPROACHES TO ADMIRALTY INLET - Sequim Bay scientific sensor deployment

The Pacific Northwest National Laboratory (PNNL) will be deploying a surface marker float to assist divers in underwater research activities in Sequim Bay. The marker buoy is orange in color, 18 inches in diameter and will be labeled with PNNL as the owner with contact information. The buoy will be in approximate position 48-04-25.831 N, 123-01-48.450 W and will be deployed from 27 Apr through 10 Jun 2021. The research vessels Desdemona or Strait Science may at times be tending to the above listed equipment and can be hailed on VHF-FM Channel 16. For additional information, contact PNNL Marine Sciences Laboratory, Susan Southard at (360) 681-3615 (office) or (360) 460-1999 (cell) or email sue.southard@pnnl.gov.

Chart 18471

LNM: 16/21

OREGON – CAPE BLANCO TO YAQUINA HEAD – Scientific buoy deployment

The University of Oregon, College of Earth, Ocean and Atmospheric Sciences, has deployed three scientific research buoys in the PacWave North Wave Energy Test Site, which is an offshore testing area located 2 miles west of Yaquina Head near Newport, Oregon. The buoys are yellow with flashing yellow lights every 2.5 seconds (FL Y 2.5s), and are located in the following updated positions:

Main Buoy: 44-41-17.40 N, 124-08-01.20 W

Spotter buoy A: 44-41-30.60 N, 124-08-18.00 W

Spotter buoy B: 44-40-34.80 W, 124-08-26.40 N

For more information, contact Brett Hembrough at (541) 737-0923 and brett.hembrough@oregonstate.edu, or Burke Hales at (541) 737-8121 and burke.hales@oregonstate.edu. Additional information is available at www.pacwaveenergy.org

Charts: 18520 18580

LNM: 15/21

WEST COAST OF NORTH AMERICA – MEXICAN BORDER TO DIXON ENTRANCE – Haida Gwaii Voluntary Protection Zone for shipping (Revised from LNM 50/20)

A Voluntary Protection Zone (VPZ) for shipping was established for a 14-month trial period along the west coast of Haida Gwaii by the Government of Canada, the Haida Nation, and multiple maritime and shipping industry partners. The program asks vessels to voluntarily increase the sailing distance off Haida Gwaii when transiting along the west coast of the archipelago. The goal of the VPZ is to reduce the risk of groundings and oil spills, by allowing more time to address any mechanical casualties, and the effectiveness of the VPZ will be assessed during this trial period, which runs until 31 Oct 2021.

In the VPZ, commercial vessels of 500 gross tonnage or greater are asked to observe a minimum distance of 50 nautical miles offshore when transiting along the West Coast of Haida Gwaii with the following exceptions:

- Cruise vessels, to observe a minimum 12 nm distance from shore;
- Vessels transiting between Pacific Northwest ports (Washington, Alaska, and BC), to observe a minimum 25 nm distance from shore;
- Tugs and barges (including pushing and towing alongside) no set minimum distance offshore; and
- Fishing vessels no set minimum distance offshore.

The Voluntary Protection Zone for Shipping coordinates are:

54 13.390N 134 30.543W

54 15.369N 133 04.908W

51 56.147N 131 17.856W

51 24.578N 132 04.088W

52 18.598N 133 20.921W

53 11.096N 134 16.363W

53 43.992N 134 32.625W

For more information, and to download a descriptive brochure, visit www.haidagwaii-vpz.ca or email info@haidagwaii-vpz.ca

Chart 501

LNM: 15/21

WASHINGTON – PUGET SOUND – SARATOGA PASSAGE – Underwater Naval training operations

U.S. Navy Explosive Ordnance Disposal Mobile Unit ONE (EODMU ONE) will be conducting training in Crescent Harbor and Saratoga Passage from 17 – 26 May 21. Training will be conducted 24 hours a day. Training will include operating small craft, diving operations, and operating Unmanned Underwater Vehicle (UUV) and Remote Operated Vehicles (ROV) to include the lifting and beaching of inert mine shapes. Operations will include one underwater detonation in Crescent Harbor in approximate position 48-16-56 N, 122-35-07 W. Mariners are requested to keep a safe distance when in the vicinity of Crescent Harbor and all vessels conducting training. EODMU ONE will monitor VHF-FM Channels 13, 14 and 16 and display the Alpha flag while diving operations are underway. For more information contact Navy personnel Michael Kinzie (808) 542-1805, or Taylor Hatcher at (619) 762-7353. Additionally, any mariners finding a Navy UUV are requested to contact the POCs listed above. UUVs are inert and may be black in color and approximately 5' long and 8" in diameter, or gray in color and approximately 12' long and 12" in diameter.

Charts: 18428 18441

LNM: 15/21

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
665	Cape Kiwanda Whistle Buoy CK	MISSING	18520	0020-21	02/21	
689	NOAA Environmental Lighted Buoy 46089	MISSING	18003	0695-20	41/20	
756	Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA	MISSING	18485	0828-20	47/20	
765.45	DART Tsunami Warning Lighted Buoy 46452	ADRIFT	18003	1009-18	49/18	
765.5	NOAA Environmental Lighted Buoy 46005	LT EXT	18007	0197-20	08/20	
8635	Chetco River Entrance Light 9	STRUCT DEST/TRLB	18602	0248-19	15/19	
8951	Coos Bay Channel Lighted Buoy 21	LT EXT	18587	0303-21	18/21	
9451	Siuslaw River North Jetty Light 3	STRUCT DEST/LT EXT	18583	0023-21	02/21	
9817	Tillamook Bay Entrance Lighted Bell Buoy 2	LT EXT	18558	0285-21	17/21	
11430	Fisher Quarry Channel Range Front Light	LT IMCH	18531	0313-20	18/21	
11465	Government Island Range Front Light	LT IMCH	18531	0314-21	18/21	
11490	Lady Island Range Front Light	LT IMCH	18531	0315-21	18/21	
11530	Washougal Lower Range Front Light	LT IMCH	18531	0289-21	17/21	
11870	Wind Mountain Upper Range Front Light 26	LT EXT	18532	0257-21	14/21	
12980	Lake Wallula West Channel Junction Light W	STRUCT DEST/TRLB	18542	0208-20	09/20	
15040	Oswego Rock Daybeacon	STRUCT DEST/TRUB	18528	0394-17	20/17	
15210	Willapa Bay Entrance Light 13	STRUCT DEST	18504	0839-16	38/16	
16071.25	Hoquiam River Obstruction Buoy	MISSING	18502	0178-20	08/20	
16085	Quillayute River Entrance Lighted Buoy 2	LT IMCH	18480	0040-21	03/21	
16136	Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA	MISSING	18485	0828-20	47/20	
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	RAC INOP	18471	0271-21	16/21	
17215	Point Defiance Light	LT IMCH	18453	0316-21	18/21	
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20	
19974	International Boundary Light F	DAYMK MISSING	18421	0719-20	42/20	
19975	International Boundary Light G	LT EXT/DAYMK MISSING	18421	0720-20	42/20	
19976	International Boundary Light H	DAYMK DMGD	18421	0721-20	42/20	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	RESET ON STATION	18581	0302-21	03/21	18/21
9644	Yaquina Bay Channel Lighted Buoy 9	RESET ON STATION	18581	0299-21	17/21	18/21
13960	Lower Granite Reservoir Light 10	RELIGHTED	18548	0304-21	17/21	18/21

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
16300	Ediz Hook Salmon Pen Light A	MISSING	18468	0593-20	36/20	
16307	Ediz Hook Salmon Pen Light B	MISSING	18468	0593-20	36/20	

16847	Elliott Bay Fish Haven Buoy A	MISSING	18450	0169-21	08/21
16848	Elliott Bay Fish Haven Buoy B	MISSING	18450	0168-21	08/21
19173	Deepwater Bay North Fish Pen Lights (2)	MISSING	18427	0784-20	45/20

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
17045	Des Moines Marina Light 3	WATCHING PROPERLY	18474	0310-21	06/21	18/21
17055	Des Moines Marina Light 4	Correction Status Unreported	18474	0311-21	06/21	18/21

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
8635	Chetco River Entrance Light 9	TRLB	18602	0436-19	25/19	
12980	Lake Wallula West Channel Junction Light W	TRLB	18542	0214-20	10/20	
15040	Oswego Rock Daybeacon	TRUB	18528	0404-17	20/17	
19120	Swinomish Channel North Entrance Light 18	TRLB	18427	0573-20	35/20	

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.

18421	53rd Ed.	01-MAR-19	Last LNM: 04/19	NAD 83		18/21
<i>Chart Title: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor</i>						
CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A						
ADD		Obstruction, labeled Obstr, PA			CGD13 48-55-55.000N	122-47-15.200W
18548	5th Ed.	01-DEC-02	Last LNM: 10/17	NAD 83		18/21
<i>Chart Title: Snake River-Lower Granite Lake FRANKLIN D. ROOSEVELT LAKE</i>						
CHART WA - SNAKE RIVER - LOWER GRANITE LAKE. Page/Side: N/A						
CHANGE		Lower Granite Reservoir Light 10 Nominal range to 4M.			CGD13 at 46-34-48.443N	117-20-06.210W
18561	13th Ed.	01-DEC-11	Last LNM: 30/20	NAD 83		18/21
<i>Chart Title: Approaches to Yaquina Bay; Depoe Bay</i>						
CHART OR - APPROACHES TO YAQUINA BAY. Page/Side: N/A						
RELOCATE		Yaquina Bay Entrance Lighted Gong Buoy 1			CGD13 from 44-36-13.725N to 44-36-13.112N	124-06-02.474W 124-06-03.622W
RELOCATE		Yaquina Bay Entrance V-AIS 2			CGD13 from 44-36-07.313N to 44-36-07.665N	124-05-57.461W 124-06-01.030W
18580	24th Ed.	01-FEB-18	Last LNM: 30/20	NAD 83		18/21
<i>Chart Title: Cape Blanco to Yaquina Head</i>						
Main Panel 1791 CAPE BLANCO TO YAQUINA HEAD - -. Page/Side: -						
RELOCATE		Yaquina Bay Entrance Lighted Gong Buoy 1			CGD13 from 44-36-13.725N to 44-36-13.112N	124-06-02.474W 124-06-03.622W
RELOCATE		Yaquina Bay Entrance V-AIS 2			CGD13 from 44-36-07.313N to 44-36-07.665N	124-05-57.461W 124-06-01.030W
18581	19th Ed.	01-OCT-11	Last LNM: 30/20	NAD 83		18/21
<i>Chart Title: Yaquina Bay and River; Continuation of Yaquina River</i>						
CHART OR - YAQUINA BAY AND RIVER. Page/Side: N/A						
RELOCATE		Yaquina Bay Entrance Lighted Gong Buoy 1			CGD13 from 44-36-13.725N to 44-36-13.112N	124-06-02.474W 124-06-03.622W
RELOCATE		Yaquina Bay Entrance V-AIS 2			CGD13 from 44-36-07.313N to 44-36-07.665N	124-05-57.461W 124-06-01.030W
18583	40th Ed.	01-OCT-11	Last LNM: 33/17	NAD 83		18/21
<i>Chart Title: Siuslaw River</i>						
Main Panel 1794 SIUSLAW RIVER. Page/Side: N/A						
CHANGE		Siuslaw River Inner Range Front Light to Fl W 2.5s, 21ft.			CGD13 at 44-00-58.691N	124-07-49.681W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)
None

Project Date **Ref. LNM**

Advance Notice(s)

OREGON – SIUSLAW RIVER – Change in the characteristic of Siuslaw River Inner Range Front Light (revised from LNM 12/21)

The U.S. Coast Guard has changed the lighting characteristics of Siuslaw River Inner Range Front Light (LLNR 9470), from Quick Flashing White (QW) with a 360° arc of visibility to Flashing White every 2.5 seconds with a 1 second flash (Fl W 2.5s). The light remains visible over an arc of 360° at a reduced intensity, with a 3° beam of high intensity light centered upon the channel centerline. This change is to increase the visibility of the light for vessels using the channel, while reducing the glare effects of the light upon the shoreline. 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 North Bend.

Chart 18583

LNM: 18/21

WASHINGTON – WILLAPA BAY – Disestablishment of Willapa Bay Entrance Light 13

The U.S. Coast Guard will be permanently disestablishing Willapa Bay Entrance Light 13 (LLNR 15210). The light structure collapsed in 2017 when the shoal it was marking was scoured by currents. As the shoaling no longer exists, the U.S. Coast Guard has determined it is no longer necessary for safe navigation in the entrance to Willapa Bay. 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.

Chart 18504

LNM: 15/21

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – QUILLAYUTE RIVER – Temporary change of Quillayute River Direction Light

Due to equipment failure, the U.S. Coast Guard has temporarily changed the lighting characteristic of Quillayute River Direction Light (LLNR 16090) from a three color sector light to a yellow occulting light, flashing every 4 s (Oc Y 4s). This aid will be lighted 24 hours a day and have an arc of visibility of 1.5° degrees either side of the bearing of 005.5° true to the light. Chart and Light List corrections have been published in Local Notice to Mariners 49/19. Mariners are encouraged to share comments on this change and the performance and operation of this aid to navigation. All comments should be sent to the email address D13-SMB-D13-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

Chart 18480

LNM: 49/19

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

Proposed Project(s)
None

Closing **Docket No.** **Ref. LNM**

Proposed Change Notice(s)

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – CHINOOK CHANNEL – Proposal to reduce the nominal range for Chinook Channel Light 2

The U.S. Coast Guard is proposing to reduce the intensity of Chinook Channel Light 2 (LLNR 14525) from 7 NM to 6 NM to facilitate the operation of a LED lantern. The precise intensity change will be from 205 candelas to 180 candelas (from 7.0 NM to 6.9 NM).

Chart 18521

LNM: 12/21

WASHINGTON – PUGET SOUND – NORTHERN PART – PORT GARDNER – Replacement of Port Gardner Anchorage Obstruction Lighted Buoy AO with a Virtual AIS signal

The U.S. Coast Guard is proposing to permanently disestablish Port Gardner Anchorage Obstruction Lighted Buoy AO (LLNR 18505) and broadcast a virtual AIS (V-AIS) signal to mark the bottom obstruction with a depth of 157 feet. This proposal would increase the space available to maritime shipping using the general anchorage. The V-AIS signal would be used to mark the bottom obstruction for vessels anchoring or fishing in the area. 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: 18443 18444

LNM: 18/21

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

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: 18/21

SUMMARY OF DREDGING OPERATIONS

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

LNM: 18/21

SUMMARY OF MARINE EVENTS

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

LNM: 18/21

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 – PACIFIC OCEAN TO HARRINGTON POINT – Youngs Bay Highway Bridge Repair notice

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

Chart 18521

LNM: 10/19

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS - COWLITZ RIVER – I-5 Twin Bridge notice

WSDOT will be conducting preservation and painting work on the I-5 Twin Bridge across the Cowlitz River at mile 31.4 near Toledo, Washington. The project will begin on 23 Jul 2020 and continue until approximately Jul 2021, weather pending. The working hours will be 0700 to 1600, and from 2000 to 0700. Containment and an Under Bridge Inspection Truck will reduce the vertical clearance by three feet. The subject bridge's vertical clearance at high water is 15 feet, and will be reduced to 12 feet. The containment will be marked with flashing amber lights. The project will involve rigging, sand blasting and painting. Mariners should be cautious of fall hazards. For more information, contact Joanna Lowery at lowreyj@wsdot.wa.gov, or Lefty Helidonis at (330) 280-2879.

LNM: 28/20

WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR 520 West Approach Bridge South Bridge Replacement (Revised from LNM 31/20)

American Bridge Company will conduct demolition work on the existing SR520 West Approach Bridge South utilizing marine equipment from 18 Jan through 31 Aug 2021. The operating zone will be from approximately 1300 ft west of the west navigation channel up to and including the west lane of the western navigation channel (Channel A). Equipment will include two marine cranes on separate barges in addition to material and environmental containment barges primarily functioning from the south side of the bridge. During this period, the navigation channel directly west of the Floating Bridge Pontoon (Channel B) will remain open to vessels at all times but with periodic closures of the west lane (Channel A). Mariners are advised to transit with caution when navigating near the project area and that no boaters are permitted within the active work zone at any time. In addition, reduced speed and/or minimal wake is requested when transiting the navigation channels. A graphic representation of the demolition operating area and the channel locations was included as Enclosure (4) of LNM 52/20. For more information, contact Eoin Duffy at (914) 263-5875 or email at eduffy@americanbridge.net.

Chart 18447

LNM: 50/20

SNAKE RIVER – OREGON AND IDAHO – BROWNLEE TO SWAN FALLS – Gamble Island Bridge replacement project (Revised from LNM 37/20)

McAlvain Construction (MCI) will be conducting bridge construction in the Snake River (Snake RM 386). Operations include pile driving, bridges replacement and existing bridges removal. Onsite work is expected to occur from 28 Sep 2020 to 01 Jun 2021. MCI will be utilizing an over the water temporary platform for construction operations during the working hours of 0700 through 1800, Monday through Saturday. The temporary platform will remain on-station during non-working hours. Accessible vessel navigation channels through the existing bridge and new bridges will be illuminated at night by red, green & amber lights as well as reflective direction arrows fixed to bridges. Mariners are asked to use the east channel around Gamble Island. Within bridge construction area transit the area with extreme caution and minimize wake. Within Main Channel bridge there will be navigational clearances of 30 feet wide and 10 feet in height. Within Side Channel bridge there will be navigational clearances of 30 feet wide and 6 feet in height. Please contact Brian Murphy at (208) 871-1576 or email brianm@mcavain.com or Brian Lemmon at (208) 871-4670 with questions.

LNM: 38/20

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

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – DECEPTION PASS – Bridge notice (Revised from LNM 34/20)

WSDOT will re-start the cleaning, painting and repairing of the bridges over Deception Pass and Canoe Pass south of Anacortes. The work is expected to begin at 0600 on 01 Mar 2021 and be complete by 2000 on 30 Nov 2021. Deception Pass Bridge has a vertical clearance of 144 feet and Canoe Pass Bridge has a vertical clearance of 154 feet over the water. A full containment system will be attached to the bridge 24-hours a day. No in water work will be conducted, although one support vessel will be needed for worker safety. Mariners are advised to use caution while transiting the area. For further information on this project contact the Project Engineer, Shane Spahr, at 360-848-7103 or SpahrS@wsdot.wa.gov
Charts: 18421 18427 LNM: 05/21

WASHINGTON – PUGET SOUND – STILLAGUAMISH RIVER – Bridge notice

Washington State Department of Transportation will be cleaning and painting the I-5 Bridge (5/670W) over the Stillaguamish River west of Arlington, Washington on I-5 between mileposts 209.35 to MP 209.47. Construction will occur from March 2021 through October 2021. A containment system will be attached to the bridge 24-hours a day and will prevent any falling debris. There will be 8-14 feet of clearance above ordinary high water elevation. Work will not occur in the water, although one support vessel will be needed for worker safety. Mariners are advised to use caution while transiting the area. For additional information, contact Shane Spahr, P.E. at (360) 848-7103 or SpahrS@wsdot.wa.gov .
Chart 18441 LNM: 02/21

IDAHO – LAKE PEND OREILLE – Bridge construction notice

Idaho Transportation Department (ITD) will be conducting maintenance on the southern half of the Sandpoint US-95 Highway Bridge (LLNR 20086) across Lake Pend O'Reille on the Sagle, ID, side from Mar – Nov 2021. The working hours will be from 0500 to 2000 daily. Three work barges will be towed to the work site from Kramer Marina at Hope, ID. All barges will be anchored and lighted with all around white lights at each corner. A 100 foot by 400 foot construction zone buoy line, each side of the bridge, will be set with "Boats Keep Out", white and orange in color, with the exclusion marking (diamond with plus sign in the center). The buoy lights will be white, visible for one mile and have a flash timing of "FL W 2s" (flashing white two seconds, 30 flashes per minute). Four support vessels will be on site, including the Valarie Lee, which will tow and reposition the barges. Diving operations will be conducted during maintenance. During periods of heavy weather, the barges will be towed and anchored in the vicinity of Sagle Slough. Mariners are requested to not enter the construction zone, but if entry is needed, contact the Valarie Lee via VHF-FM Channel 16 or one of the onsite contacts, and transit at slowest speed. ITD has contracted McMillen Jacobs Associates for the maintenance, and the onsite contacts are Mike Nixon at (925) 876-7052, and Carson Haslam at (208) 339-6735.
Chart 18554 LNM: 09/21

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

The USACE Portland and Walla Walla Districts will implement the winter seasonal lockage schedule, from 21 Sep 2020 to 16 May 2021, for the passage of recreational craft through the Columbia and Snake River navigation locks. Winter recreational vessel 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 commercial telephone, and should make their request at least 30 minutes in advance.

Lock Name	Location	Phone Number	Radio Call Sign
Bonneville Lock	Columbia River Mile 145.5	(541) 374-8323	WUJ 33
The Dalles Lock	Columbia River Mile 191.5	(541) 298-4007	WUJ 34
John Day Lock	Columbia River Mile 215.6	(541) 298-9712	WUJ 35
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. 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 navigation lock operations and schedules 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

LNM: 37/20

SNAKE RIVER – LAKE SACAJAWEA AND LAKE HERBERT G. WEST AND LAKE BRYAN – Upstream floating guidewall restrictions (Revised from LNM 24/20)

Repairs at the Ice Harbor Lock and Dam upstream floating guide wall are now completed, so all restrictions regarding the use of the floating guide wall are now lifted. However, restrictions still apply at the projects listed below:

- 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.
- Little Goose Lock and Dam, Snake River Mile 70.3, vessels may not tie up to or rub against the upstream floating guidewall when approaching or leaving the lock, nor may they use the guidewall as a pivot 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 18547

LNM: 10/21

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – Scientific research equipment deployment

The Quileute Tribe Department of Natural Resources will be deploying two scientific research buoys offshore of the Washington coast to the WNW of Destruction Island in approximate positions;

- (1) 47-43-52.954 N / 124-38-06.536 W
- (2) 47-42-46.163 N / 124-44-00.067 W

The buoys are yellow with a yellow light flashing five times with a 15 second off period or Fl (5) Y 20s, and are expected to be in place until Oct 2021. Mariners are requested to use caution when operating in the vicinity of these buoys. For more information contact the Quileute Natural Resources, Jennifer Hagen, at (360) 640-4430 or jennifer.hagen@quileutenation.org

Chart 18480

LNM: 14/21

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

From 19 Apr through 04 Jun 2021, the Washington Department of Fish and Wildlife (WDFW) Marine Fish Science (MFS) Unit and the Toxics-focused Biological Observation System (TBIOS) Team will conduct their annual, joint bottom trawl survey to assess marine fish living in the waters of Puget Sound, including the Strait of Juan de Fuca, Strait of Georgia, San Juan Archipelago, Hood Canal, Central Sound, and South Sound regions. The vessel chartered by WDFW for the survey is the F/V Chasina, a 58-foot seiner/trawler (call sign WYQ-6987), with red hull and red and white superstructure, which will carry WDFW RESEARCH placards posted on both sides of the upper deck. For more information on WDFW's MFS unit and the bottomfish programs, visit <https://wdfw.wa.gov/species-habitats/species/bottomfish> or contact Jennifer Blaine at (425) 379-2313 (office) or (425) 231-9476 (cell) or email at Jennifer.Blaine@dfw.wa.gov. For more information on WDFW's TBIOS program visit <https://wdfw.wa.gov/species-habitats/science/marine-toxics/tbios> or contact Robert Fisk at (360) 902-2816 (office) or (206) 498-7820 (cell) or email at Robert.Fisk@dfw.wa.gov

Charts: 18400 18421 18441 18448 LNM: 14/21

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 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 – APPLE COVE TO KEYPORT – Submersible Vehicle testing (Revised from LNM 50/19)

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 2021. 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: 49/20

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

NOAA's Pacific Marine Environmental Laboratory deployed a temporary research lighted buoy on 10 Mar 2021 between Meadows Point and Point Wells to the east of the TSL in approximate position 47-43-25.62 N, 122-23-04.62 W. The buoy is yellow, round and marked with a flashing yellow four seconds (FL Y 4s) light. This buoy is scheduled to be removed in September 2021. For more information contact Cabot Zucker at (561) 972-0930 or email at cabot.zucker@noaa.gov.

Chart 18446 LNM: 11/21

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 – PUGET SOUND – HOOD CANAL – Coast Guard enforced Safety Zone

The Coast Guard will enforce the safety zone around vessels involved in Coast Guard training exercises in Hood Canal, WA as set forth in 33 CFR 165.1339, from 0800 on 24 May through 1700 on 28 May 2021, unless cancelled sooner by the Captain of the Port. Under the provisions of 33 CFR 165.1339, no person or vessel may enter or remain within 500 yards of any vessel involved in Coast Guard training exercises while such vessel is transiting Hood Canal, WA between Foul Weather Bluff and the entrance to Dabob Bay, unless authorized by the Captain of the Port or a Designated Representative. In addition, the regulation requires all vessels to obtain permission for entry during the enforcement period by contacting the on-scene patrol commander on VHF channel 13 or 16, or the Sector Puget Sound Joint Harbor Operations Center at (206) 217-6001. All mariners will be able to identify participating vessels as those flying the Coast Guard Ensign.

Charts: 18458 18476 LNM: 13/21

WASHINGTON – PUGET SOUND – HOOD CANAL – Dabob Bay Navy Testing Range warning lights

Mariners are advised that two of the warning lights for the Dabob Bay Navy Testing Range are currently inoperable; the light on the Bolton Peninsula at 47-47-16.8 N / 122-49-27 W, and the light on Sylopash Point near Brinnon at 47-41-26.4 N / 122-53-18 W. These lights are charted on Chart 18548, Hood Canal – South Point to Quonset Point including Dabob Bay, with a note explaining their operation. Both lights are also charted on the ENC US5WA26. Mariners transiting into Dabob Bay should contact Dabob Bay Range Control at (360) 396-4108 for the testing range operational status while these lights are inoperable.

Chart 18458 LNM: 04/21

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

SMRU Consulting will be testing an acoustic buoy in a location off the western side of Point Roberts, from 15 Mar until 15 May 2021. 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: 10/21

OREGON – WASHINGTON – IDAHO – NOAA's planned cancellation of Paper and Raster nautical 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

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

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

OREGON – WASHINGTON – IDAHO – US Coast Guard 13th District Broadcast Notice to Mariners availability

The U.S. Coast Guard Navigation Center (NAVCEN) has completed its Maritime Safety Information (MSI) project upgrade in the Pacific Northwest to offer Broadcast Notice to Mariners (BNM) to mariners via email in addition to voice radio broadcasts. The online subscription service is in addition to the standard BNM broadcasts over VHF radio that previously were the only way to receive this vital navigational information. Mariners can now use the subscription service to plan for underway periods and receive updates to navigational hazards in near real time without having to wait on scheduled VHF broadcasts.

Mariners who operate in Oregon and Washington and up the Columbia and Snake Rivers system should visit the NAVCEN website and subscribe for email delivery of BNMs. <https://www.navcen.uscg.gov/?pageName=feeds> BNMs are organized by Coast Guard Sector and mariners can subscribe to one, two or all three Coast Guard Sectors within the 13th District area:

Sector North Bend – the southern and central Oregon coast and rivers

Sector Columbia River – the northern Oregon coast, southern and central Washington coast, the Columbia, Snake and Willamette Rivers

Sector Puget Sound – the northern Washington coast, Strait of Juan de Fuca, the San Juan Islands and neighboring straits, Puget Sound and Lake Washington

Additionally, NAVCEN has developed an online BNM archive that is highly filterable and available to the public. 13th District BNMs can be viewed and downloaded from this database on the NAVCEN website at: <https://www.navcen.uscg.gov/bnm/messages/DistrictSearchV1.php?d=13&i=3>.

For any questions regarding these new services in the 13th District, please contact the office of Waterways Management at (206) 220-7280 or D13-SMB-D13-LNM@uscg.mil

LNM: 12/21

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	
9470	SIUSLAW RIVER INNER RANGE FRONT LIGHT	44-00-58.691N 124-07-49.681W	Fl W 2.5s	21		KRB on skeleton tower.	Visible all around; high intensity 1.5° each side of rangeline.	18/21
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	44-36-13.112N 124-06-03.622W	Fl G 2.5s	*	4	Green.	AIS: MMSI 993696003 (21).	18/21
9595	Yaquina Bay Entrance V-AIS 2	44-36-07.665N 124-06-01.030W		*			AIS: MMSI 993696004 (21).	18/21
13960	LOWER GRANITE RESERVOIR LIGHT 10	46-34-48.443N 117-20-06.210W	Fl R 2.5s	23	4	TR on platform.		18/21
					*			

ENCLOSURES

Enclosure 1

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

LNM: 18/21

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 18/21

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 18/21

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						
	9125	Chandler Highway Bridge	Coos Bay, OR	East center channel green light extinguished	10/27/2020	0757-20
	9367	Reedsport Highway 101 Bridge	Reedsport, OR	Multiple Lights extinguished	10/27/2020	0756-20
COLUMBIA RIVER						
	14866 / 10086	Astoria Highway Bridge (South and North spans)	Astoria, OR	Lights extinguished	1/12/2021	0032-21
SNAKE RIVER						
	13617	Sergeant Railroad Bridge	Starbuck, WA	All pier lights are extinguished	10/24/2020	0744-20
WILLAMETTE RIVER						
	None					
WASHINGTON COAST						
	None					
PUGET SOUND						
	16870.1	Spokane Street Bridge	Seattle, WA	NE Lighted Approach Dolphin destroyed	3/5/2021	0207-21
IDAHO						
	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	Channels Monitored	Disposal Area	LNM
6-May-21	7-May-21	24 Hrs/7 Days	Columbia River - Miller / Pillar Rock RM 24+35 to 25+35	M/V Essayons	None	VHF-FM 13 &16	RM 34.0 WA side	18/21
5-May-21	6-May-21	24 Hrs/7 Days	Columbia River - Slaughter / Lower Dobelbower RM 66+30 to 67+50	M/V Essayons	None	VHF-FM 13 &16	RM 60.0 WA Side RM 61.1 WA Side RM 61.5 OR Side	18/21
1-Jun-21	20-Jul-21	24 Hrs/7 Days	Columbia River; Cottonwood Island Lower Range (RM 67+00 to 70+00)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	16/21

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 passing arrangements have been made. 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
31-May-21	0630-1400	Stevenson High School Lewis and Clark Expedition w/ 40 kayaks	Launch at Beacon Rock and kayak to Government Camp
1-Jun-21	0630-1400	Stevenson High School Lewis and Clark Expedition w/ 40 kayaks	Launch at Government Island and kayak to Sand Island
2-Jun-21	0630-1400	Stevenson High School Lewis and Clark Expedition w/ 40 kayaks	Launch at Sand Island St. Helens and kayak to Camp Willow Grove Park
3-Jun-21	0630-1400	Stevenson High School Lewis and Clark Expedition w/ 40 kayaks	Launch at Willow Grove Park Longview Camp and kayak to Vista Park Skamokawa
4-Jun-21	0630-1400	Stevenson High School Lewis and Clark Expedition w/ 40 kayaks	Launch at Vista Park Skamokawa and kayak to John Day Boat Ramp
19-Jun-21	0500-1800	CRWAA CMR Charity Tournament	Columbia Park Marina Boat Launch, Columbia Point Marina, Richland, WA
20-Jun-21	0500-1800	CRWAA CMR Charity Tournament	Columbia Park Marina Boat Launch, Columbia Point Marina, Richland, WA
10-Jul-21	0500-1800	CRWAA Summer Walleye Classic	Boardman Marina/RV Park, Boardman, OR
11-Jul-21	0500-1800	CRWAA Summer Walleye Classic	Boardman Marina/RV Park, Boardman, OR

SECTOR PUGET SOUND MARINE EVENTS			
EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
5-May-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
5-May-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
5-May-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
5-May-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay
6-May-21	1900-2030	Downtown Sailing Series	North Elliot Bay
6-May-21	1700-2100	CYCS Sound Thursday	Shilshole Bay
6-May-21	1700-1930	SBYC Duck Dodge Series	Sequim Bay
6-May-21	1830-2000	TTPYC Thursday Evening Racing	Des moines
7-May-21	1800-2000	POYC Spring Friday Evening Series	Sinclair Inlet
8-May-21	1100-1800	SYC Vashon Island Race	Shilshole Bay to South of Vashon Island
8-May-21	0900-1500	AYC Windermere Regatta	Jack Island
8-May-21	0930-1300	Hammer the Inlet	Hammersley Inlet
8-May-21	1100-1730	SBYC Saturday Series	Outside Sequim Bay
9-May-21	0900-1500	AYC Windermere Regatta	Jack Island
10-May-21	1700-2030	STYC Ballard Cup Series I	Shilshole Bay to Port Madison Bay
11-May-21	1700-2100	CYCS Lake Tuesday Evening Series	East of Leschi Marina Lake Washington
11-May-21	1800-2200	Duck Dodge	Lake Union
12-May-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
12-May-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
12-May-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
12-May-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay
13-May-21	1900-2030	Downtown Sailing Series	North Elliot Bay
13-May-21	1700-2100	CYCS Sound Thursday	Shilshole Bay
13-May-21	1700-1930	SBYC Duck Dodge Series	Sequim Bay
13-May-21	1830-2000	TTPYC Thursday Evening Racing	Des moines
14-May-21	1800-2000	POYC Spring Friday Evening Series	Sinclair Inlet
15-May-21	1000-1700	Milltown Mid-Distance Race Series	Possession Sound
15-May-21	0800-2359	OHYC Round Whidbey Sailboat Race	Around Whidbey Island
15-May-21	1100-1900	POYC Invitational	Sinclair Inlet
15-May-21	1000-1800	PTSA Protection Island Regatta	Port Townsend to Protection Island returning
15-May-21	1100-1730	SBYC Saturday Series	Outside Sequim Bay
17-May-21	1700-2030	STYC Ballard Cup Series I	Shilshole Bay to Port Madison Bay
18-May-21	1700-2100	CYCS Lake Tuesday Evening Series	East of Leschi Marina Lake Washington
18-May-21	1800-2200	Duck Dodge	Lake Union
19-May-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
19-May-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
19-May-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
19-May-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay