



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 28/21

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, 2021 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
D13-0456-21

Ending BNM
D13-0470-21

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 – WASHINGTON – SAN FRANCISCO TO CAPE FLATTERY – NOAA and Saildrone joint ocean survey operations

Saildrone Inc. is conducting oceanographic and fisheries acoustic surveys in collaboration with NOAA on the west coast of the United States from 07 Jul through 23 Sep 2021. The survey will be conducted by three unmanned surface vehicles, called saildrones, each 23ft in length, orange in color with a white all-round light and marked "SAILDRONE". The Saildrones will deploy from Alameda, CA, and Grays Harbor, WA, conducting coastal and offshore surveys along the coast between Cape Flattery, WA, and Point Conception, CA, to meet research objectives. All drones are uncrewed and windpowered and will have limited maneuverability during survey operations. Mariners are requested to transit areas with caution and to remain greater than 500 meters away from the research equipment. Enclosure (4) of this Local Notice to Mariners provides a photo and a description of the Saildrone, Questions regarding saildrone operations should be directed to Saildrone Mission Control, missioncontrol@saildrone.com or (510) 722-6070.

Chart 18007

LNM: 28/21

OREGON – CAPE BLANCO TO CAPE FLATTERY – Research operations

As part of the Ocean Observatories Initiative (OOI), the University of Washington will be recovering and deploying scientific instruments 03 Aug – 31 Aug 2021 off the Oregon coast from the Stonewell Bank area approximately 12 NM off Yaquina Head extending approximately 200 NM westward in the vicinity Brown Bear Seamount. The OOI operations will be performed 24 hours a day from the R/V Thomas G. Thompson with an attached, cabled Remotely Operated Vehicle (ROV) working on the ocean floor. The research vessel will monitor VHF-FM Channel 13 and 16 during all operations. Mariners are requested to keep a 2 NM closest point approach (CPA) in the vicinity of the research vessel to avoid possible entanglement or damage to equipment and/or fishing gear. The approximate dates and locations of the operations are as follows:

Leg 1

45-56-21.4 N, 129-59-20.0 W (Axial Caldera, WD 1525m) on August 3
45-49-49.8 N, 129-45-12.0 W (Axial Base, WD 2600m) from August 3 to August 4
44-31-44.4 N, 125-23-22.8 W (Slope Base, WD 2900m) from August 5 to August 7
44-22-09.6 N, 124-57-15.0 W (Endurance Offshore, WD 580m) from August 7 to August 8

Leg 2

44-28-53.4 N, 125-08-54.0 W (Slope Base, WD 1250m) from August 10 to August 11
44-34-11.4 N, 125-08-48.6 W (Southern Hydrate Ridge, WD 780m) from August 12 to August 14
44-22-09.6 N, 124-57-15.0 W (Endurance Offshore, WD 580m) on August 14
44-38-14.4 N, 124-18-20.4 W (Endurance Shelf, WD 80m) from August 14 to August 15
44-29-00.0 N, 125-04-00.0 W (Endurance Shelf, WD 80m) from August 15 to August 16

Leg 3

44-31-44.4 N, 125-23-22.8 W (Slope Base, WD 2900m) from August 19 to August 21

Leg 4

44-22-09.6 N, 124-57-15.0 W (Endurance Offshore, WD 580m) on August 25
45-49-49.8 N, 129-45-12.0 W (Axial Base, WD 2600m) from August 26 to August 27
45-56-21.4 N, 129-59-20.0 W (Axial Caldera, WD 1525m) from August 27 to August 31

For additional information contact Brian Ittig at bittig@uw.edu

Charts: 18003 18520 18580

LNM: 28/21

OREGON – WASHINGTON – CAPE BLANCO TO DESTRUCTION ISLAND – Coastal scientific research activities

Researchers from the University of Southern California and Oregon State University will be conducting water sampling and bottom sediment coring along the Oregon and Southwest Washington coasts from 20 Jul – 11 Aug 2021. Operations will be conducted from the R/V Oceanus 24 hours/day and include the following waypoints:

43-55-48 N / 129-30-00 W
47-06-00 N / 129-30-00 W

R/V Oceanus will monitor VHF-FM channels 16 and 13, and vessels are requested to maintain at least a 1 NM CPA. For more information, please contact James Moffett at (626) 864-0161 or jmoffett@usc.edu.

Charts: 18500 18520 18580

LNM: 28/21

OREGON – CAPE BLANCO TO YAQUINA HEAD – COOS BAY – Underwater survey

USACE will be conducting survey work of one of the offshore disposal sites near the Coos Bay entrance from 17 Jul through 24 Jul 2021. The survey work will be conducted using an Autonomous Underwater Vessel (AUV) from the R/V Pacific Storm within an area bounded by the following coordinates:

43-24-20.47 N / 124-24-08.38 W

43-25-23.07 N / 124-22-56.87 W

43-24-44.25 N / 124-21-51.15 W

43-23-41.41 N / 124-23-05.48 W

The R/V Pacific Storm can be hailed on VHF-FM channel 16. For more information contact Greg Speer at (503) 334-6051 or Gregory.A.Speer@uscg.mil

Chart 18587

LNM: 28/21

OREGON – YAQUINA HEAD TO COLUMBIA RIVER – CAPE KIWANDA – Underwater cable landing operations

SUBCOM will be conducting underwater cable landing operations just off the Oregon coast between Sand Lake and Cape Kiwanda on 04 – 12 Aug 2021, dependent upon the weather. Operations are expected to occur within 6 NM of the shore, between approximate positions 45-16-04.182 N / 124-04-31.914 W, and 45-15-07.614 N / 123 -59-00.354 W. C/S Decisive, call sign V7D17, can be hailed on VHF-FM channel 16, and she will be restricted in her ability to maneuver during these operations. All vessel traffic are requested to maintain at least a 1 NM closest point of approach (CPA). For more information on this operation, contact Ruben Garcia Oliver at rgoliver@subcom.com.

Chart 18520

LNM: 28/21

OREGON – CAPE SEBASTIAN TO HUMBURG MOUNTAIN – ROGUE RIVER – Shoaling and limited Coast Guard response capability

The Coast Guard provides a seasonal Search and Rescue Detachment (SARDET) on the Rogue River in Gold Beach, Oregon. This unit exists to ensure the safety of the maritime community along the Southern Oregon Coast during periods of increased recreational vessel activity. Currently, significant shoaling is present in the Rogue River and mariners will experience shallower water depths than normal and shallower than charted. During most tidal conditions, the shoaling is preventing the Coast Guard from operating vessels in the river and entrance due to insufficient water depth. USCG Station Chetco River will continue to site a response vessel at Rogue River as often as practicable with respect to available water depth. Additional Search and Rescue response, such as outside the mouth of the river and helicopter operations will continue to be provided from Station Chetco River and Sector North Bend. Dredging at the entrance of the river and in the federal channel is scheduled to begin on 27 Jul 2021. During dredging operations, the dredge, barge, support vessels and additional equipment may significantly block the channel. Mariners are encouraged to keep a safe distance from all dredging operations.

Chart 18601

LNM: 28/21

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Bridge notice

The Coast Guard intends to approve a temporary deviation to the operating schedule that governs the Broadway Highway Bridge (LLNR 14955.2), mile 11.7, the Morrison Highway Bridge (LLNR 14955.5), mile 12.8, and Hawthorne Highway Bridge (LLNR 14955.6), mile 13.1, crossing the Willamette River at Portland, Oregon. This deviation is necessary to accommodate the Portland Marathon Running event. This deviation allows the bridges to remain in the closed-to-navigation position to allow safe and timely movement of event participants from 0630 until 1400 on 03 Oct 2021. The vertical clearances for these bridges in the closed-to-navigation position are: 90 feet for the Broadway Bridge; 69 feet for the Morrison Bridge and 49 feet for the Hawthorne Bridge (all clearances are referenced to the vertical clearance above Columbia River Datum 0.0.) Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. For additional information on this event, contact Matt Studer at matt.d.studer@multco.us. If any mariner cannot support this deviation request, submit comments to d13-smb-d13-bridges@uscg.mil by 28 Jul 2021.

Chart 18526

LNM: 28/21

WASHINGTON – PUGET SOUND – HOOD CANAL – Small boat operations

Naval Base Kitsap will be conducting Force Protection exercises on 19 Jul 2021 through 23 Jul 2021 from 0700-1500, on the waterfront adjacent to Naval Base Kitsap-Bangor in the Hood Canal, and will occur in an area bound by the following positions:

1) 47-44-28 N / 122-45-51 W

2) 47-44-20 N / 122-44-32 W

3) 47-43-55 N / 122-45-16 W

4) 47-43-47 N / 122-44-56 W

Mariners are requested to remain at least 500 yards away from the area outlined, as well as any grey-hulled Navy Security vessels conducting the exercises. Navy Security vessels will be operating at high speeds and utilizing blank ammunition during firing exercises. The Navy Security vessels can be reached on VHF-FM channels 72, 88A, and 16. For more information, on the exercise, please contact Aaron Rossiter, Antiterrorism Officer, Naval Base Kitsap at (360) 396-9275, or aaron.m.rossiter1@navy.mil.

Charts: 18458 18476

LNM: 28/21

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

The Coast Guard has approved a temporary deviation from the normal operating schedule that governs the Montlake Street Bridge (LLNR 18240) across the Lake Washington Ship Canal, mile 5.2. The Montlake Street Bridge need not open the draw for marine vessels during heavy road traffic for the University of Washington football games on the following dates and times:

- 04 Sep 2021, 1430 to 1700 and 2000 to 2230;
- 18 Sep 2021, 1030 to 1330 and 1600 to 1900;
- 25 Sep 2021, TBA at a later date;
- 16 Oct 2021, TBA at a later date;
- 06 Nov 2021, TBA at a later date;
- 13 Nov 2021, TBA at a later date;
- 26 Nov 2021, TBA at a later date.

The deviation is necessary to accommodate vehicular traffic attending football games at Husky Stadium at the University of Washington, in Seattle, Washington. This deviation will allow the Montlake Bridge to remain in the closed-to-navigation position before and after each game. The Montlake Bridge in the closed-to-navigation position provides 30 feet of vertical clearance throughout the navigation channel, and 46 feet of vertical clearance throughout the center 60 feet of the bridge; vertical clearance references to the Mean Water Level of Lake Washington. Vessels which do not require a bridge opening may continue to transit beneath this bridge during the closure. The bridge will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. The Coast Guard will publish any updates or changes to this operating schedule in future LNM publications, once game times are announced. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times. For more information on these events, contact Colleen Kelly, WSDOT, at (425) 739-3700.

Chart 18447

LNM: 28/21

WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH – SR520 West Approach Bridge South, Bridge Replacement (Revised from LNM 50/20)

American Bridge Company will conduct demolition work on the existing SR520 West Approach Bridge South utilizing marine equipment from 18 Jan through 31 Dec 2021. Furthermore, new bridge construction on a similar alignment will be conducted beyond demolition activities through 31 Mar 2023. 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). Periodic closures of Channel A will be during the hours of 0600-1800. 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 of the operating area and the channel locations is included as Enclosure (5) of this LNM. For more information, contact Eoin Duffy at (914) 263-5875 or email at eduffy@americanbridge.net.

Chart 18447

LNM: 28/21

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON –Diving operations for underwater sewer line inspection

King County Department of Natural Resources and Parks, Wastewater Treatment Division will be conducting an inspection of the sewer pipes that lie on the bottom of Lake Washington during the months of July and August 2021. These inspections require diving operations from a barge and boat at multiple locations along the northwest shoreline of Lake Washington from Matthews Beach Park north to approximately 57th Ave NE and NE Bothell Way. The hours of operations for the vessels will typically be weekdays from 0700-1700 but on occasion will go past those hours and some weekends work is possible. Structures that provide access to the maintenance hole may be left in place temporarily and will be marked with buoys and signal lights. For safety of the dive crews, mariners are requested to avoid these work areas and pass a safe distance from all operations.

Chart 18447

LNM: 28/21

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – ANACORTES TO SKAGIT BAY – Sediment cleanup project

American Construction will conduct dredging and material placement work in Fidalgo Bay, Anacortes WA for a sediment cleanup project from 19 Jul to 27 Nov 2021. The site location is approximately 500 yards south of the Fidalgo Bay Marina near 48-29-39.09 N, 122-35-53.07 W, and operations will occur Monday – Saturday, 24 hours a day. The clamshell dredge Snohomish will work with barges Skagit and/or Dungeness and the barges will be towed to and from the Duwamish River in Seattle, WA and the Whatcom Waterway in Bellingham, WA. The dredge Snohomish can be contacted on VHF-FM Channel 16. For questions or additional information, contact Chris Raymond at (425) 647-1707, or via email at chrisr@americanconstco.com.

Chart 18427

LNM: 28/21

OREGON – WASHINGTON – IDAHO – 2021 Light List AIS-ATON Information

The introduction section Buoy, Beacons, and AIS-ATON of the 2021 Light List has been updated to include the differences, attributes, and chart portrayal of Physical AIS-ATON, Synthetic AIS-ATON, and Virtual AIS-ATON. Mariners are urged to positively identify the type of AIS-ATON and their unique attributes during voyage planning. Refer to the Light List and the AIS-ATON information in the introduction section; Buoy, Beacons, and AIS-ATON. Current Light Lists are available at <https://www.navcen.uscg.gov/?pageName=lightLists>. Questions regarding AIS-ATON may be directed via email to the Coast Guard Navigation Center at tis-smb-echarting@uscg.mil.

LNM: 27/21

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – Vancouver Turning Basin change

USACE has changed the limits of the Vancouver Turning Basin between RM 104 to RM 106 of the Columbia River Federal Navigation Channel to improve navigational safety by upgrading the charts to accurately reflect the reality of present-day infrastructure and usage. The turning basin limit has been extended slightly to the south or Oregon, side. This change has slightly decreased the limits of the Upper Vancouver Anchorage; however, there has been no changes to the buoys associated with anchorage or the federal channel. This chart correction has been implemented by NOAA, but mariners should be aware that not all charting products may have incorporated the change at this time. For questions or more information, please contact Jessica Stokke at (503) 808-4352, or Jessica.B.Stokke@usace.army.mil.

Charts: 18525 18526

LNM: 27/21

SNAKE RIVER – LOWER GRANITE LAKE – Lower Granite Navigation lock south wall damage

Due to concrete damage on the Lower Granite navigation lock south wall in the vicinity of mooring bit #4, river traffic is requested to use the mooring bits on the north side of the lock. For additional information, contact the Lower Granite Operator at (509) 843-2231.

Chart 18548

LNM: 27/21

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA - DESTRUCTION ISLAND TO AMPHRITE POINT – Naval operations

The Navy will be conducting operations in Navy Exercise Area 4 (depicted on chart 18480) within the Fleet OpArea W-237-B in approximate position 47-51 N, 125-14.5 W, from 1800 on 13 Jul until 1000 on 15 Jul 2021. This location is just to the west of the Area to be Avoided (ATBA). Mariners are requested to keep clear of any military vessels (at least 7 nm) operating in this area during this time period. Coast Guard vessels will be supporting the operations and will be monitoring VHF-FM channel 16 and 13.

Chart 18480

LNM: 27/21

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Large Lock Closure

The large lock chamber of the Hiram M. Chittenden Locks will be closed from 0700 to 1700 on 19 Jul 2021. This closure is for maintenance on the pump plant discharge valve. There will be divers in the water and crane work in the location of the west side of the large lock chamber. The small lock chamber will remain open during this time and vessels up to 28-foot wide and 123-foot long will be able to transit through. Additional questions may be directed to public affairs specialist Dallas Edwards at (206) 764-6958 or dallas.d.edwards@usace.army.mil.

Chart 18447

LNM: 27/21

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – Bridge notice

Graham Contracting will be conducting bridge maintenance and repairs to the SR520 Evergreen Point Highway Bridge (LLNR 18340) over the west navigation channels. The maintenance period is 06 - 16 Jul 2021 and will be conducted 0700-1730 daily. An under bridge inspection truck (UBIT) will be conducting the repairs from the roadway. The vertical clearance will be reduced up to ten feet and UBIT bucket will be marked with an amber flashing light. Mariners are requested to use caution, and transit beneath the bridge using the east channel. For additional information, call Graham Contracting at (425) 240-0752.

Chart 18447

LNM: 26/21

OREGON – WASHINGTON – U.S. Coast Pilot 10 release

U.S. Coast Pilot 10, Pacific Coast: Oregon, Washington, Hawaii and Pacific Islands, 2nd Edition, 2021, has been issued and is ready for free download and weekly updates at www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html. The 2021 Edition cancels the preceding 2020 Edition, and incorporates all previous corrections. Only Print-on-Demand (POD) bound copies are available for purchase; visit www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot.

LNM: 25/21

COLUMBIA RIVER - PASCO TO RICHLAND - LAKE WALLULA - Regulated Area for the Kennewick Hydroplane Races

In conjunction with the Tri-Cities Water Follies Columbia Cup, the Kennewick Hydroplane Races Regulated Area will be in effect from 0600 to 1800 on 23 – 25 Jul 2021. The Regulated area includes all navigable waters within the Columbia River in the vicinity of Columbia Park, commencing at the US-395 12 Blue Highway Bridge (LLNR 13057) and continuing up river approximately 2 NM and terminating at the northern end of Wade Island. Vessels may not transit the regulated area without Captain of the Port approval. Vessels permitted to transit must operate at a no wake speed and in a manner which will not endanger participants or other vessels in the event.

Chart 18543

LNM: 25/21

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – Scientific research equipment deployment (Revised from LNM 14/21)

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

(1) 47-46-54.6 N / 124-39-13.8 W

(2) 47-42-54.0 N / 124-43-58.2 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: 25/21

WASHINGTON – APPROACHES TO EVERETT – STEAMBOAT SLOUGH – Bridge Inspection

WSDOT will be inspecting the SR 529 Highway Bridge (South Bound) (LLNR 18594.9) across Steamboat Slough, mile 1.1. The inspection will take

place between 0800 – 1500 daily on 12 - 15 Jul 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 is no fixed impact to the 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 orange light on the bottom and a safety lookout will be on the bridge. Bridge openings will occur as usual.

Chart 18443

LNM: 25/21

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – Bridge Inspection

Washington State Department of Transportation will be inspecting the SR 529 Highway Bridge (South Bound) (LLNR 18591.2) across the Snohomish River, mile 3.7, near Everett, WA. The inspection will take place between 0800 and 1500 on July 12th to 15th 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 is no fixed impact to the 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.

Chart 18444

LNM: 25/21

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	
8845	Coos Bay Range B Front Light	LT EXT	18587	0464-21	28/21	
8865	Empire Range B Front Light	LT EXT	18587	0465-21	28/21	
9451	Siuslaw River North Jetty Light 3	STRUCT DEST/LT EXT	18583	0023-21	02/21	
9925	Clatsop Spit Lighted Whistle Buoy 6	LT EXT	18521	0402-21	24/21	
9955	Clatsop Spit Lighted Whistle Buoy 10	LT EXT	18521	0403-21	24/21	
10220	Miller Sands Channel Lighted Buoy 6	LT EXT	18523	0432-21	26/21	
10255	Pillar Rock Lower Range Lighted Buoy 14	LT EXT	18523	0433-21	26/21	
10280	Pillar Rock Upper Range Rear Light	REDUCED INT	18523	0434-21	26/21	
10600	Eureka Dike Light 79	LT EXT	18523	0379-21	22/21	
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	
15555	Grays Harbor Entrance Lighted Whistle Buoy 3	SS INOP	18502	0357-21	21/21	
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
16815	Puget Sound Traffic Separation Lane Lighted Buoy SG	RAC INOP	18446	0374-21	22/21
17360	Nisqually Flats Light 3	STRUCT DEST/TRLB	18448	0404-21	24/21
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20
19975	International Boundary Light G	LT EXT/DAYMK MISSING	18421	0720-20	42/20

DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
11247	Hayden Island Water Monitoring Lighted Buoy A	MISSING	18526	0413-21	25/21	
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
13083	Pasco Water Intake Lighted Warning Buoy C	RELIGHTED	18543	0460-21	23/21	28/21

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	
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	
15040	Oswego Rock Daybeacon	TRUB	18528	0404-17	20/17	
17360	Nisqually Flats Light 3	TRLB	18448	0409-21	24/21	
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	074-02-48.001W
	Corrective Action	Green can	Object of Corrective Action		at 40-41-09.001N	
					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.

18440	31st Ed.	01-APR-17	Last LNM: 42/19	NAD 83		28/21
<i>Chart Title: Puget Sound</i>						
Main Panel 1688 PUGET SOUND - -. Page/Side: -						
	ADD	Port Gardner Anchorage V-AIS AO and label V-AIS.			CGD13 at 47-59-02.234N	122-14-46.498W
18441	49th Ed.	01-APR-20	Last LNM: 48/17	NAD 83		28/21
<i>Chart Title: Puget Sound-northern part</i>						
Main Panel 1689 PUGET SOUND - NORTHERN PART - -. Page/Side: -						
	ADD	Port Gardner Anchorage V-AIS AO and label V-AIS.			CGD13 at 47-59-02.234N	122-14-46.498W
18443	17th Ed.	01-JAN-10	Last LNM: 40/16	NAD 83		28/21
<i>Chart Title: Approaches to Everett</i>						
Main Panel 1690 APPROACHES TO EVERETT. Page/Side: N/A						
	ADD	Port Gardner Anchorage V-AIS AO and label V-AIS.			CGD13 at 47-59-02.234N	122-14-46.498W
18444	17th Ed.	01-NOV-09	Last LNM: 51/16	NAD 83		28/21
<i>Chart Title: Everett Harbor</i>						
Main Panel 1691 EVERETT HARBOR. Page/Side: N/A						
	ADD	Port Gardner Anchorage V-AIS AO and label V-AIS.			CGD13 at 47-59-02.234N	122-14-46.498W
18448	36th Ed.	01-DEC-15	Last LNM: 49/18	NAD 83		28/21
<i>Chart Title: Puget Sound-southern part</i>						
CHART WA - PUGET SOUND - SOUTHERN PART. Page/Side: N/A						

	RELOCATE	Waterman Point Light 11		CGD13 from 47-35-04.116N to 47-35-04.200N	122-34-13.321W 122-34-13.200W
18449	21st Ed.	01-NOV-19	Last LNM: 41/17	NAD 83	28/21
<i>ChartTitle: Puget Sound-Seattle to Bremerton</i>					
Main Panel 1713 PUGET SOUND SEATTLE TO BREMERTON - -. Page/Side: -					
	RELOCATE	Waterman Point Light 11		CGD13 from 47-35-04.116N to 47-35-04.200N	122-34-13.321W 122-34-13.200W
	CHANGE	Point Herron Light 12 Nominal range to 6M.		CGD13 at 47-33-56.002N	122-36-49.445W
18452	17th Ed.	01-OCT-11	Last LNM: 12/14	NAD 83	28/21
<i>ChartTitle: Sinclair Inlet</i>					
Main Panel 1715 SINCLAIR INLET. Page/Side: N/A					
	CHANGE	Point Herron Light 12 Nominal range to 6M.		CGD13 at 47-33-56.002N	122-36-49.445W
18474	11th Ed.	01-DEC-15	Last LNM: 49/18	NAD 83	28/21
<i>ChartTitle: Puget Sound-Shilshole Bay to Commencement Bay</i>					
Main Panel 1679 PUGET SOUND SHILSHOLE BAY TO COMMENCEMENT BAY. Page/Side: A					
	RELOCATE	Waterman Point Light 11		CGD13 from 47-35-04.116N to 47-35-04.200N	122-34-13.321W 122-34-13.200W
	CHANGE	Point Herron Light 12 Nominal range to 6M.		CGD13 at 47-33-56.002N	122-36-49.445W

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

<u>Approved Project(s)</u>	<u>Project Date</u>	<u>Ref. LNM</u>
None		

Advance Notice(s)

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – QUILLAYUTE RIVER – Restoration of the sector light at Quillayute River Direction Light

Due to equipment failure, the U.S. Coast Guard had 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 4s. During the summer of 2021, the light characteristic will be restored to a three color sector light with the following characteristics:

Fixed Green, White and Red light shown 24 hours a day, with the Green sector visible from 006.25° to 007.25°, the White sector visible from 004.75° to 006.25° (0.75° each side of 005.5°) and the Red sector visible from 003.75° to 004.75°. All bearings are listed as being viewed from sea to the light structure.

A Broadcast Notice to Mariners will be made, and the nautical chart and Light List will be updated upon the completion of the change. 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: 27/21

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 will be disestablishing Port Gardner Anchorage Obstruction Lighted Buoy AO (LLNR 18505) during the summer of 2021. Port Gardner Anchorage V-AIS "AO" (LLNR 18504), a Virtual AIS (V-AIS) signal has been established in position 47-59-02.234N 122-14-46.498W (WG84) to mark the bottom obstruction with a depth of 157 feet. These changes are to increase the space available to maritime shipping using the general anchorage. The V-AIS signal is 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: 28/21

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

Proposed Project(s)

None

Closing

Docket No.

Ref. LNM

Proposed Change Notice(s)

WASHINGTON – WILLAPA BAY - Disestablishment of Willapa Bay Lighted Buoy “C” and Buoy “D”

The U.S. Coast Guard is proposing to disestablish Willapa Bay Entrance Lighted Buoy “C” (LLNR 15186) and Willapa Bay Entrance Buoy “D” (LLNR 15167) as the constantly shifting bar at the entrance to Willapa Bay prevents these buoys from marking the navigable channel, and surf conditions make the placement, retrieval and servicing of these buoys hazardous. There are currently no plans by the US Army Corps of Engineers to dredge or maintain the entrance channel into Willapa Bay. Virtual AIS (V-AIS) signals will be established in place of these two buoys, being broadcast on the currently assigned position but relocated as necessary as channel conditions warrant. 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: 26/21

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA AND PUGET SOUND – Removal of RACONS on aids to navigation

The Coast Guard is proposing to remove 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. 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 “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 Coast Guard Sector Puget Sound.

Charts: 18421 18440 18441 18465

LNM: 24/21

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

The summary of Bridge Lighting Discrepancies and Corrections is listed as Enclosure (1) of this Local Notice to Mariners.

LNM: 28/21

SUMMARY OF DREDGING OPERATIONS

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

LNM: 28/21

SUMMARY OF MARINE EVENTS

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

LNM: 28/21

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

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

The Coast Guard has approved 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 bridge during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. For additional information contact Matt Studer at matt.d.studer@multco.us.

Chart 18526

LNM: 20/21

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Marine construction/demolition at Drano Lake

Advanced American Construction (AAC) will be conducting existing pier removal in the Columbia River at the mouth of Little White Salmon River / Drano Lake near RM 116. Operations include wire saw, concrete demolition and pile removal. Onsite work is expected to occur from 06 Jul 2021 to 28 Feb 2022. AAC's Derrick Barge DB 4100 and tug Lindy Marie, and work barges will be on station and monitoring VHF-FM channel 16 during the working hours of 0700 through 1800, 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. Mariners are asked to transit the area with extreme caution and minimize wake. Please contact Shad Huber (360) 953-4833 Shadh@callAAC.com or Scott Miller at (503) 568-4313 scottm@callAAC.com with questions.

Chart 18532

LNM: 23/21

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 leaves 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 – 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 – BNSF Railroad Bridge Notice

The construction of a new BNSF Railroad Bridge 3.9 (LLNR 20087) on Lake Pend Oreille (LPO) Mile 2.7 at Sandpoint, ID, is continuing. Updates to the project's phased work, during the 2021 high water, summer-pool LPO water level, are as follows: the primary work staging will resume from the temporary work trestle at the north shore project work area (Dog Beach). The south shore work areas and temporary staging/access have been final configured as per project environmental permits. Immediately adjacent to and west of the existing single-track BNSF Bridge 3.9 over LPO,

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Notice

work barges will continue to work along the entire project corridor, specific locations changing as new bridge construction progresses. Barges will have crane support for materials/equipment staging, pipe pile driving, and welding (pile bent cross-bracing) activities. Hours of construction will continue to be 0700 to 1900, Monday to Saturday. The Ames-owned tugboat (Audrey B.) will continue to position barges within the BNSF 200' ROW as needed in varying linear work zone locations. Ames work crews and other project personnel will continue to access work barges via Ames-owned shuttle boats. The published navigation channels at the existing BNSF Bridge 3.9 will continue to be appropriately marked, lighted and remain unobstructed for safe navigation. Vertical clearance of the existing bridge remains unchanged. The temporary work trestle at Dog Beach, all work barges, and a project survey post will continue to have navigation lights and work zone buoys in accordance with the USCG Navigation Rules (COLREGS-Inland). Significant changes to the work activities or locations will be updated in subsequent LNM's. Enclosure (4) of LNM 26/21 displays the project vicinity and expected locations of barges for this summer work season activities. The point of contact for the bridge contractor, Ames Construction, Inc. is Mike Pamperin at (612) 741-6535. For additional information contact the BNSF Project Engineer, Ryan Kopera at (913) 284-3467.

Chart 18554

LNM: 22/21

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. Mainers 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 RIVER – SNAKE RIVER – 2021 summer lockage schedule for recreational vessels (Revised from LNM 19/21)

The USACE, Portland and Walla Walla Districts, are implementing the 2021 summer lockage schedule for the passage of recreational vessels through the following navigation locks:

- Bonneville Lock and Dam Columbia River Mile 145 (541) 374-8323
- The Dalles Lock and Dam Columbia River Mile 191 (541) 506-8211
- John Day Lock and Dam Columbia River Mile 216 (541) 298-9712
- McNary Lock and Dam Columbia River Mile 292 (541) 922-2231
- Ice Harbor Lock and Dam Snake River Mile 9.7 (509) 543-3231
- Lower Monumental Lock and Dam Snake River Mile 41.6 (509) 282-7231
- Little Goose Lock and Dam Snake River Mile 70.3 (509) 399-2233 x231
- Lower Granite Lock and Dam Snake River Mile 107.5 (509) 843-2231

The following annual recreational craft lockage schedules will be implemented for all the locks beginning 16 May through 12 Sep 2021:

- Upstream Direction Times: 0900, 1200, 1500, 1800, 2100
- Downstream Direction Times: 0930, 1230, 1530, 1830, 2130

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

Charts: 18541 18545 18546 18547 18548

LNM: 20/21

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

OREGON – UMPQUA RIVER – Shoaling at Winchester Bay Harbor entrance

Due to shoaling extending across a portion of the entrance to Winchester Bay Harbor, Winchester Bay Harbor Entrance Daybeacon 1 (LLNR 9285) has been temporarily disestablished and replaced with an unlighted buoy to mark safe water. The temporary buoy will remain in place until the shoaling hazard has been removed.

Chart 18584

LNM: 21/21

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.

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

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 – PASCO TO RICHLAND – Research buoy deployment

USACE has set a temporary research data collection buoy near the I-182 Highway Bridge (LLNR 13080) at Columbia River mile 336, in approximate position 46-15-49.32 N 119-14-35.61 W. The buoy is yellow, round in shape, with a yellow light flashing every four seconds (Fl 4s) and marked with the word "Research". The buoy will be in place until Sep 2021. For more information, contact Mitch Prince at (509) 527-7606.

Chart 18543

LNM: 21/21

WASHINGTON – COLUMBIA RIVER TO CAPE FLATTERY – Oceanographic Research

The Olympic Coast National Marine Sanctuary will be conducting oceanographic research between Makah Bay and Cape Elizabeth from 01 Jun until 01 Oct 2021. The hours of operations for the research vessel Tatoosh will be daylight hours. The R/V Tatoosh will be deploying, and intermittently servicing, ten oceanographic moorings located between Makah Bay and Cape Elizabeth in the following positions:

MB015	48-19-31.380N	124-40-36.600W
MB042	48-19-26.280N	124-44-07.380W
CA015	48-09-58.680N	124-45-24.600W
CA042	48-09-57.660N	124-49-24.120W
TH015	47-52-34.020N	124-37-10.080W
TH042	47-52-34.140N	124-44-00.300W
KL015	47-36-03.000N	124-25-42.240W
KL027	47-35-40.440N	124-29-49.440W
CE015	47-21-24.420N	124-20-53.280W
CE042	47-21-11.280N	124-29-19.440W

On each mooring, surface gear consists of an 18 foot halibut pole (with flag and RADAR reflector), a 12 inch low-drag surface float (Polyform LD-2), and an 8 meter long Amsteel line attached to sub-surface gear. Sub-surface gear consists of additional line segments, a 14 inch trawl float two meters below mean lower low water, oceanographic instruments, hardware, and an anchor weighing 264 pounds. The anchor consists of four 2.75 inch chain links, connected as two pairs. Mariners are requested to keep a safe distance from the R/V Tatoosh, which will monitor VHF-FM Channels 13 and 16, and can also be reached via phone at (360) 460-5555.

Charts: 18480 18500

LNM: 22/21

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 STRAIT OF JUAN DE FUCA - SWIFTSURE BANK – ECHO Program 2021 Voluntary Vessel Slowdown at Swiftsure Bank

Effective 01 Jun 2021, the Enhancing Cetacean Habitat and Observation (ECHO) Program voluntary vessel slowdown in the vicinity of Swiftsure Bank is in effect for all outbound commercial vessels. If it is safe and operationally feasible to do so, commercial vessels are requested to not exceed the following speeds through the water:

11 knots – Bulk carriers, tankers, general cargo vessels, and government vessels

14.5 knots – Vehicle carriers, cruise ships, and container vessels.

The voluntary vessel slowdown takes place in the outbound lane of the vessel traffic separation scheme between Strait of Juan de Fuca TSL Lighted Buoyed JA (LLNR 756) and the end of the traffic separation scheme. Additionally, a speed transition zone is in place, beginning at longitude 124-33-36.860W. The ECHO Program voluntary slowdown aims to reduce underwater noise in known southern resident killer whale feeding areas. This initiative will remain in effect 24 hours per day through 31 Oct 2021. For more detailed information related to this slowdown and the ECHO program, visit the following web address:

<https://www.portvancouver.com/environmental-protection-at-the-port-of-vancouver/maintaining-healthy-ecosystems-throughout-our-jurisdiction/echo-program/projects/swiftsure-bank-slowdown/>

Charts: 18400 18460 18480

LNM: 22/21

WASHINGTON – STRAIT OF JUAN DE FUCA – Port of Vancouver Canada 2021 Voluntary Lateral Displacement

As of 01 Jun 2021, the Enhancing Cetacean Habitat and Observation (ECHO) Program voluntary inshore lateral displacement is in effect for all tugs transiting the Canadian inshore area of the Strait of Juan de Fuca. If it is safe and operationally feasible to do so, tugs are requested to move south of the known killer whale feeding area and navigate either through the outbound shipping lane or the inshore lateral displacement zone, while maintaining a buffer distance of 1,000 meters from the traffic separation scheme (TSS). The inshore lateral displacement zone is 1,500 meters wide and occurs in the area between 123-52-21.192 W, 48-18-37.332 N and 124-31-33.378 W, 48-28-53.316 N, covering a distance of approximately 28 NM. The ECHO Program voluntary lateral displacement initiative aims to reduce underwater noise in known southern resident killer whale feeding areas along the northern edge of the Strait of Juan de Fuca. This initiative will remain in effect 24 hours a day through 31 Oct 2021. For more detailed information related to lateral displacement and the ECHO program, visit the following web address:

WASHINGTON – STRAIT OF JUAN DE FUCA – Port of Vancouver Canada 2021 Voluntary Lateral Displacement

<https://www.portvancouver.com/environmental-protection-at-the-port-of-vancouver/maintaining-healthy-ecosystems-throughout-our-jurisdiction/echo-program/projects/lateraldisplacement/>

Charts: 18400 18460 18480

LNM: 22/21

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 – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – Environmental testing

Anchor QEA will conduct sediment sampling and geotechnical work on the Lower Duwamish Waterway starting on 28 Jun and running to mid Aug 2021. The work will be on the 14th Ave Reach from just upstream of the Turning Basin down to Slip 4, and will be both within and outside of the federal navigation channel. This project is EPA-approved and involves small work vessels and barges conducting marine sampling, and coring and boring activity. The planned work schedule is 0700-1900 Monday – Friday, although some night work may be required. Work vessels may be able to move for river traffic, however, the geotechnical boring work can take up to three hours to complete and the barge must remain on station for the duration. Mariners planning to transit this stretch of the Duwamish are encouraged to contact the vessels in advance via VHF-FM 16/13 or phone, or call the project coordinator, Katy Gross at (425) 238-1569.

Vessels involved include:

M/V Cypress (processing float), R/V Mazama (sampling vessel), R/V Cayuse (support vessel) at (425) 281-1471

R/V Nancy Anne (sampling vessel) and R/V Peter R (sampling vessel) at (206) 418-6173

Barge Seahorse and Barge 2044 (geotechnical boring) at (206) 459-1737

Chart 18450

LNM: 24/21

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 – 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

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.

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

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

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 over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChart™ PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer.

Six months prior to cancellation, a notice of the intent to cancel a specific chart will be provided via a “Last Edition” notice. The final cancellation of a chart will be made via a “Canceled” notice. Both types of notices will appear in LNM Section IV, “Chart Correction.” A comprehensive list of all cancelled NOAA charts is available at: <http://www.charts.noaa.gov/MCD/Dole.shtml>.

Traditional paper nautical chart production is ending to enable the creation and maintenance of larger scale, more up-to-date, higher quality coverage of NOAA’s electronic navigational chart (NOAA ENC®) product. This will significantly enhance the amount of charted detail available to mariners. More information about NOAA’s program to sunset traditional paper charts is on the NOAA Coast Survey website at: <https://nauticalcharts.noaa.gov/charts/farewell-to-traditional-nautical-charts.html>. An online NOAA Custom Chart application at: <https://devgis.charttools.noaa.gov/pod> is available to create chart images from ENC data, which may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts.

LNM: 10/21

OREGON – WASHINGTON – IDAHO – 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
18080	WATERMAN POINT LIGHT 11	47-35-04.200N 122-34-13.200W	FI G 4s	26	5	SG on skeleton tower, on caisson.	HORN: 1 blast ev 15s (2s bl). HORN is activated by keying the mic 5 times on VHF-FM Channel 81A (157.075MHz). HORN will operate for 15 minutes.
18085	POINT HERRON LIGHT 12	* 47-33-56.002N 122-36-49.445W	FI R 6s	24	6	TR on multi-pile structure.	28/21

*

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18504	Port Gardner Anchorage V-AIS AO	47-59-02.234N 122-14-46.498W					Virtual AIS: MMSI 993692247 (21).
*	*	*	*	*	*	*	*

ENCLOSURES

Enclosure 1

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

LNM: 28/21

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 28/21

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 28/21

Enclosure 4

OREGON - WASHINGTON - SAN FRANCISCO TO CAPE FLATTERY - NOAA and Saildrone joint ocean survey operations

LNM: 28/21

Enclosure 5

WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR520 West Approach Bridge South, Bridge Replacement

LNM: 28/21

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						
	None					
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					

OREGON - COLUMBIA RIVER - WASHINGTON DREDGING OPERATIONS

Enclosure (2)

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	LNМ
27-Jul-21	14-Sep-21	24 Hrs/7 Days	Rogue River; entrance and channel (RM TBD)	TBD	TBD	VHF-FM 13 &16	TBD	28/21
10-Jul-21	14-Jul-21	24 Hrs/7 Days	Yaquina Bay Entrance (RM 0-50 to 0+50)	M/V Yaquina	None	VHF-FM 13 &16	YBOS (N) & YBOS (S)	28/21
10-Jul-21	14-Jul-21	24 Hrs/7 Days	Yaquina Bay Harbor (RM 1+15 to 2+00)	M/V Yaquina	None	VHF-FM 13 &16	YBOS (N) & YBOS (S)	28/21
16-Jul-21	20-Jul-21	24 Hrs/7 Days	Columbia River; TBD	M/V Yaquina	None	VHF-FM 13 &16	TBD	28/21
14-Jul-21	15-Jul-21	24 Hrs/7 Days	Columbia River; Miller Sands (RM 21+20 to 22+00)	M/V Essayons	None	VHF-FM 13 &16	RM 37 WA side RM 41 WA side	28/21
12-Aug-21	14-Sep-21	24 Hrs/7 Days	Columbia River; Miller Sands (RM 21+20 to 22+00, 23+20 to 24+10)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21
14-Jul-21	20-Jul-21	24 Hrs/7 Days	Columbia River; Miller Sands (RM 24+17 to 25+35)	M/V Stuyvesant	None	VHF-FM 14 &16	O-24.0, W-20.9	28/21
26-Jul-21	9-Aug-21	24 Hrs/7 Days	Columbia River; Pillar Rock (RM 27+40 to 29+00)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21
19-Jul-21	21-Jul-21	24 Hrs/7 Days	Columbia River; Skamokawa Bar (RM 32+45 to 34+10)	M/V Essayons	None	VHF-FM 13 &16	RM 28 OR side RM 32 WA side	28/21
16-Jul-21	19-Jul-21	24 Hrs/7 Days	Columbia River; Skamokawa Bar (RM 34+35 to 36+05)	M/V Essayons	None	VHF-FM 13 &16	RM 28 OR side RM 32 WA side	28/21
15-Jul-21	16-Jul-21	24 Hrs/7 Days	Columbia River; Puget Island (RM 37+35 to 39+05)	M/V Essayons	None	VHF-FM 13 &16	RM 32 WA side RM 37 WA side	28/21
14-Jul-21	14-Jul-21	24 Hrs/7 Days	Columbia River; Wauna-Driscoll (RM 41+50 to 42+50)	M/V Essayons	None	VHF-FM 13 &16	RM 37 WA side RM 41 WA side	28/21
20-Sep-21	11-Oct-21	24 Hrs/7 Days	Columbia River; Puget Island (RM 44+10 to 44+30)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21
5-Jul-21	14-Jul-21	24 Hrs/7 Days	Columbia River; Westport and Eureka Bar (RM 47+05 to 48+35)	M/V Stuyvesant	None	VHF-FM 14 &16	O-34.1, W-35.3, W-35.8, O-36.4, W-44.5	28/21
14-Oct-21	12-Nov-21	24 Hrs/7 Days	Columbia River; Stella Range (RM 56+00 to 57+00)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21
25-Jun-21	20-Jul-21	24 Hrs/7 Days	Columbia River; Cottonwood Island Lower Range (Mouth of the Cowlitz River) (RM 67+00 to 70+00)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	26/21
16-Nov-21	8-Dec-21	24 Hrs/7 Days	Columbia River; Howard Island (RM 69+10 to 70+10)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21

OREGON - COLUMBIA RIVER - WASHINGTON DREDGING OPERATIONS

Enclosure (2)

15-Dec-21	12-Jan-22	24 Hrs/ 7 Days	Columbia River; Martin Bar (RM 82+25 to 83+15)	M/V Oregon	Clackamas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	21/21
16-Jul-21	23-Jul-21	24 Hrs/ 7 Days	Grays Harbor; Terminal 4	M/V Sea Horse	Rachele, WJ Marston, Robert L	VHF-FM 67, 13 & 16	Point Chehalis	28/21
19-Jul-21	27-Nov-21	24 Hrs/ 7 Days	Anacortes; Fidalgo Bay 48-29-39.1 N, 122-35-53.1 W	M/V Snohomish	Skagit, Dungeness	VHF-FM 13 &16	Duwamish	28/21

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
14-Jul-21	1100-1900	Gorge Downwind Champs	Columbia River; Stevenson to Hood River
15-Jul-21	0830-2100	Small Yacht Sailing Club of Oregon Twilight Series	Columbia River; I-5 to I-205 bridge
15-Jul-21	1100-1900	Gorge Downwind Champs	Columbia River; Stevenson to Hood River
16-Jul-21	1100-1900	Gorge Downwind Champs	Columbia River; Stevenson to Hood River
17-Jul-21	1100-1900	Gorge Downwind Champs	Columbia River; Stevenson to Hood River
17-Jul-21	1300-1600	Small Yacht Sailing Club of Oregon Match Race	Columbia River; I-5 to I-205 bridge
17-Jul-21	1200-1600	Astoria Yacht Club Memorial Cup	Astoria, OR
17-Jul-21	1700-2030	Portland Yacht Club Family Night Beer Can Race	Portland Yacht Club, Portland, OR
19-Jul-21	1800-2100	Island Sailing Club Monday Night Regatta	Columbia River between the I-5 and I-205 bridges
20-Jul-21	1833-2100	Small Yacht Sailing Club of Oregon Twilight Series	Columbia River; I-5 to I-205 bridge
22-Jul-21	1833-2100	Small Yacht Sailing Club of Oregon Twilight Series	Columbia River; I-5 to I-205 bridge
23-Jul-21	0600-1800	Tri-City Water Follies Columbia Cup	Kennewick, WA
24-Jul-21	0600-1800	Tri-City Water Follies Columbia Cup	Kennewick, WA
24-Jul-21	2200-2230	Toledo Summer Fest Fireworks	Toledo, OR
24-Jul-21	1300-1600	Small Yacht Sailing Club of Oregon Match Race	Columbia River; I-5 to I-205 bridge
25-Jul-21	0600-1800	Tri-City Water Follies Columbia Cup	Kennewick, WA
25-Jul-21	1700-2130	RCYC Rum Rum Beer Can Race	Columbia River; I-5 to I-205 bridge
26-Jul-21	1800-2100	Island Sailing Club Monday Night Regatta	Columbia River; I-5 to I-205 bridge
27-Jul-21	1830-2100	SYSCO Soaker	Columbia River; I-5 to I-205 bridge
31-Jul-21	1700-2000	R20 1972 Disco Party Beer Can Race	Columbia River; I-5 to I-205 bridge
31-Jul-21	1100-1600	Smoke on the Hobie Cat Regatta	Columbia River; Skamokawa Vista Park
1-Aug-21	1100-1600	Smoke on the Hobie Cat Regatta	Columbia River; Skamokawa Vista Park
14-Aug-21	1100-1300	Swim the Snake	Lyons Ferry State Park, Washtucna, WA
28-Aug-21	0900-1700	Thunder on the Snake	Snake River; Lewiston, Idaho to Bear Bar
29-Aug-21	0900-1700	Thunder on the Snake	Snake River; Lewiston, Idaho to Bear Bar
3-Oct-21	0700-1330	Head of the Dog Rowing Regatta	Willamette River; Hadley's Landing Portland, OR
8-Oct-21	1200-1700	Lumpy Waters Sea Kayak Symposium	Pacific City, Oregon
9-Oct-21	1200-1700	Lumpy Waters Sea Kayak Symposium	Pacific City, Oregon
10-Oct-21	1200-1700	Lumpy Waters Sea Kayak Symposium	Pacific City, Oregon

MARINE EVENTS

Enclosure (3)

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
14-Jul-21	0900-1700	Salish 100	Port Townsend to Olympia to Port
14-Jul-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
14-Jul-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
14-Jul-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
14-Jul-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay
15-Jul-21	1900-2030	Downtown Sailing Series	North Elliot Bay
15-Jul-21	0900-1700	Salish 100	Port Townsend to Olympia to Port
15-Jul-21	1700-2100	CYCS Sound Thursday	Shilshole Bay
15-Jul-21	1700-1930	SBYC Duck Dodge Series	Sequim Bay
15-Jul-21	1830-2000	TTPYC Thursday Evening Racing	Des Moines
16-Jul-21	0900-1700	Salish 100	Port Townsend to Olympia to Port
16-Jul-21	1800-2100	Milltown Log Dodge Race Series	Possession Sound
16-Jul-21	1900-2130	STYC Take Your Time Fridays Race Series	Shilshole Bay
16-Jul-21	1800-2100	WSCYC Summer Friday Night Series	Sinclair Inlet
17-Jul-21	2200-2230	Quileute Days	La Push, WA
17-Jul-21	0700 - 0900	Guemes Channel Swim	Guemes Channel
17-Jul-21	1000 - 1030	Cathlamet Bald Eagle Days	Cathlamet, WA
17-Jul-21	1900-2359	STYC Moonlight Madness	Between Shilshole Bay, Duwamish Head,
17-Jul-21	1100-1730	SBYC Saturday Series	Outside Sequim Bay
19-Jul-21	1815-2100	STYC Ballard Cup Series II	Shilshole Bay
20-Jul-21	1700-2100	CYCS Lake Tuesday Evening Series	East of Leschi Marina Lake Washington
20-Jul-21	1800-2200	Duck Dodge	Lake Union
21-Jul-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
21-Jul-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
21-Jul-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
21-Jul-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay
22-Jul-21	1900-2030	Downtown Sailing Series	North Elliot Bay
22-Jul-21	1700-2100	CYCS Sound Thursday	Shilshole Bay
22-Jul-21	1700-1930	SBYC Duck Dodge Series	Sequim Bay
22-Jul-21	1830-2000	TTPYC Thursday Evening Racing	Des Moines
23-Jul-21	1800-2100	Milltown Log Dodge Race Series	Possession Sound
23-Jul-21	1900-2130	STYC Take Your Time Fridays Race Series	Shilshole Bay
24-Jul-21	1000-1800	STYC Women at the Helm	Between Shilshole Bay and Port Madison
24-Jul-21	1100-1730	SBYC Saturday Series	Outside Sequim Bay
24-Jul-21	0900-1200	BBOP Classic Outrigger Canoe Long Distance	Bellingham Bay
24-Jul-21	1200-1600	CYCT Three Hour Tour #2	Commencement Bay
26-Jul-21	1800-2030	STYC Ballard Cup Series III	Shilshole Bay
27-Jul-21	1700-2100	CYCS Lake Tuesday Evening Series	East of Leschi Marina Lake Washington
27-Jul-21	1800-2200	Duck Dodge	Lake Union
28-Jul-21	1700-2100	CYCS Sound Wednesday	Shilshole Bay
28-Jul-21	1700-2100	CYCS Lake Wednesday Evening Series	East of Leschi Marina Lake Washington
28-Jul-21	1830-2130	CYCT Windseekers Wednesday Night Races	Commencement Bay
28-Jul-21	1800-2100	AYC Wednesday Night Race	Fidalgo Bay
29-Jul-21	1900-2030	Downtown Sailing Series	North Elliot Bay
29-Jul-21	1700-2100	CYCS Sound Thursday	Shilshole Bay
29-Jul-21	1700-1930	SBYC Duck Dodge Series	Sequim Bay

MARINE EVENTS

Enclosure (3)

29-Jul-21	1830-2000	TTPYC Thursday Evening Racing	Des Moines
30-Jul-21	1800-2100	Milltown Log Dodge Race Series	Possession Sound
30-Jul-21	1900-2130	STYC Take Your Time Fridays Race Series	Shilshole Bay
31-Jul-21	1000-1900	Oak Harbor Rotary Club Hydro for Heroes	Oak Harbor Bay
31-Jul-21	1000-1800	PTSA Bush Point Regatta	Port Townsend to Bush Point returning
31-Jul-21	1100-1730	SBYC Saturday Series	Outside Sequim Bay
31-Jul-21	1200-1400	Swim Defiance	Point Defiance
31-Jul-21	1000-1800	CYCS J-Fest	Shilshole Bay
31-Jul-21	2200-2215	Community Cancer Fund	Bennet Bay, Lake Coeur d'Alene
2-Aug-21	1800-2030	STYC Ballard Cup Series III	Shilshole Bay
3-Aug-21	1700-2100	CYCS Lake Tuesday Evening Series	East of Leschi Marina Lake Washington
3-Aug-21	1800-2200	Duck Dodge	Lake Union



OCEAN RESEARCH EQUIPMENT IN WATER

United States West Coast
July 7th - September 23rd, 2021

SAILDRONE, INC. will operate three Unmanned Surface Vehicles called Sailables for oceanographic and fisheries research, in the waters from Cape Flattery, WA, to Point Conception, CA, from July through September 2021. They will be launched from Grays Harbor, WA and Alameda, CA.

For more about this year's fisheries survey, please visit
<https://www.fisheries.noaa.gov/about/fisheries-resources-division-southwest-fisheries-science-center>

**VESSELS ARE REQUESTED TO TRANSIT THE AREA WITH CAUTION, AND REMAIN
GREATER THAN 500 METERS AWAY FROM THE RESEARCH EQUIPMENT.**

Sailables are wind powered Unmanned Surface Vehicles that carry important oceanographic and fisheries acoustics research instrumentation and are controlled from shore through satellite communications.

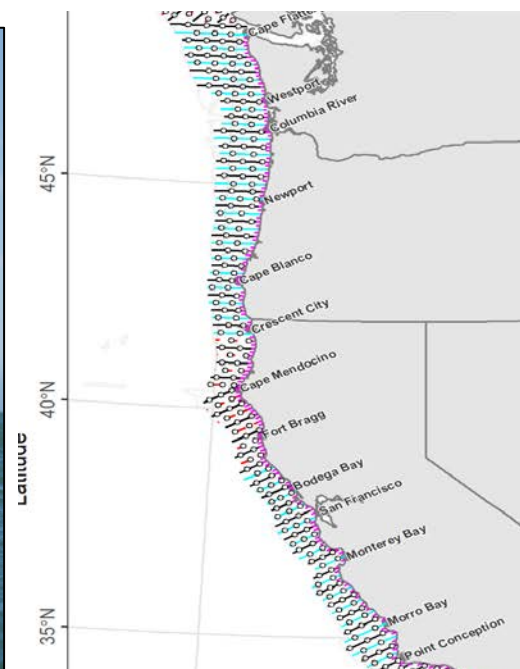
- **Color: Orange**
- **Light: white all-round light**
- **Radar Reflector: Yes**
- **Notation: "Sailable"**
- **Length: 23 ft & Width: 2 ft**
- **Height: 16 ft above water line**
- **Draft: 6 ft, Avg. speed: 3 kts**
- **GPS / AIS / Cameras: Yes**



SAILABLE MISSION CONTROL

(510) 722-6070

missioncontrol@sailable.com



SCIENCE CONTACTS

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LAKE WASHINGTON

UNION BAY

Periodic
0600-1800hrs
closures to Channel
Corridor A.
Channel Corridor B
remains open to
vessels

Limit of Bridge Demolition &
New Bridge Construction

Channel A

Channel B

FLOATING
BRIDGE

PONTOON

~1300'

520

520

520



Google 100%

Camera: 635 m 47°38'43"N 122°16'16"W

3D

