



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

**LOCAL NOTICE TO MARINERS**

**District: 13**

**Week: 42/20**

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)  
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<https://www.navcen.uscg.gov/?pageName=lnmDistrict&region=13>

COMDTPUB P16502.6, Light List Volume VI, 2020 Edition, and Coast Pilot Volume 10, 2020 Edition.  
Light List Volume VI, 2020 Edition is available at [https://www.navcen.uscg.gov/pdf/lightLists/LightList\\_V6\\_2020.pdf](https://www.navcen.uscg.gov/pdf/lightLists/LightList_V6_2020.pdf)  
Coast Pilots, along with corrections, are available at: [www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html](http://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](http://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](mailto: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.

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 D13-0698-20	Ending BNM D13-0724-20
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**ABBREVIATIONS**

**A through H**

ADRIFT - Buoy Adrift  
AICW - Atlantic Intracoastal Waterway  
Al - Alternating  
B - Buoy  
BKW - Breakwater  
bl - Blast  
BNM - Broadcast Notice to Mariner  
bu - Blue  
C - Canadian  
CHAN - Channel  
CGD - Coast Guard District  
C/O - Cut Off  
CONT - Contour  
CRK - Creek  
CONST - Construction  
DAYMK/Daymk - Daymark  
DBN/Dbn - Daybeacon  
DBD/DAYBD - Dayboard  
DEFAC - Defaced  
DEST - Destroyed  
DISCON - Discontinued  
DMGD/DAMGD - Damaged  
ec - eclipse  
EST - Established Aid  
ev - every

**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  
MRASS - Marine Radio Activated Sound Signal

**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  
SS - Sound Signal

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

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

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

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**SECTION I - SPECIAL NOTICES**

This section contains information of special concern to the Mariner.

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**COLUMBIA RIVER – CRIMS ISLAND TO ST HELENS / VANCOUVER TO BONNEVILLE – King pile construction (Revised from LNM 41/20)**

Bergeson Construction and HME Construction will be conducting construction activities in the Columbia River installing single piles with a sign to mark USACE dike locations. Construction will begin near Multnomah Falls (RM 136.6) and work downriver toward Puget Island (RM 41) with an estimated completion date of 25 Nov 2020. During the week of 19 Oct 2020 the crane barge Betsy Ross will conduct the construction work from approximately Saint Helens (RM 85.6) to Kalama (RM 75.3). The derrick barge Sea Hawk will mobilize the week of 26 Oct 2020 to begin the rock scour placement around each pile, from Multnomah Falls working down river. Both vessels will monitor VHF-FM channels 16 & 17. Mariners are requested to stay clear and navigate with caution around the work site.

Charts: 18524 18525 18531

LNM: 42/20

**COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Marine construction**

Advanced American Construction will be performing work on the Port of Vancouver Terminal 1 at approximate river mile 106 from 26 Oct through 01 Dec 2020. Work includes crane activities & pile driving. The derrick barge DB4100 will be positioned adjacent to the Terminal 1 work location. Working hours are expected to be 0700 through 1730 daily. Mariners are requested to avoid the work zone and reduce wake as much as possible when transiting through the area. The derrick barge will have steady white lights on all four corners at night. For additional project information please contact Evan Clemson at (503) 445-9009.

Charts: 18525 18531

LNM: 42/20

**OREGON – PORT OF PORTLAND – WILLAMETTE RIVER - Burnside Highway Bridge notice**

The Coast Guard has issued a temporary deviation from the operating schedule that governs the Burnside Highway Bridge (LLNR 14955.4) across the Willamette River at mile 12.4. Multnomah County will operate the subject bridge in single leaf mode from 04 Jan 2021, through 07 Feb 2021. The West Leaf will be locked in the closed-to-navigation position from 0700 on 04 Jan to 0700 on 18 Jan 2021, during which time mariners will use the East Leaf. The East Leaf will be locked in the closed-to-navigation position from 0700 on 18 Jan to 2359 on 07 Feb 2021, during which time mariners will use the West Leaf. The horizontal clearance for a single leaf opening will be 100 feet. A service tug will be available with a two hour request. This deviation will accommodate bridge repairs and upgrades. The normal operating schedule is in 33 CFR 117.897(c)(3)(iii). The Burnside Bridge provides a vertical clearance of 41 feet above Columbia River Datum 0.0 in the closed-to-navigation position. Vessels able to pass through the bridge in the closed-to-navigation positions may do so at any time. The bridge's operational leaf 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 drawbridge must return to its regular operating schedule immediately at the end of the designated time period. For more information contact Tye Aldana at (503) 708-1890 or [tye.l.aldana@multco.us](mailto:tye.l.aldana@multco.us).

Chart 18526

LNM: 42/20

**COLUMBIA RIVER – SNAKE RIVER – 2021 Annual Lock closures for maintenance**

The USACE Portland and Walla Walla Districts have scheduled the annual navigation lock maintenance closure for March 2021. During this time, the Locks and Dams on the Columbia and Snake Rivers have scheduled inspections, maintenance, and repair work. Non-routine work includes gate cleaning, structural inspections, and equipment/machinery repair and replacement. All eight (8) of the navigation locks will close at 0600 on Saturday, 06 Mar 2021 and return to service at 2359 on Sunday, 21 Mar 2021.

Columbia River navigation lock maintenance closures are:  
Bonneville (RM 145) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
The Dalles (RM 191) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
John Day (RM 216) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
McNary (RM 292) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
Snake River navigation lock maintenance closures are:  
Ice Harbor (RM 9.7) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021

Lower Monumental (RM 41.6) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
Little Goose (RM 70.3) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021  
Lower Granite (RM 107.3) – 0600 on 06 Mar 2021 to 2359 on 28 Mar 2021

For additional information regarding Bonneville, The Dalles and John Day lock maintenance closures, contact Portland District, Operations Division at (503) 808-4341. For additional information regarding McNary, Ice Harbor, Lower Monumental, Little Goose and Lower Granite lock maintenance closures, contact Walla Walla District, Operations Division, at (509) 527-7112.

Charts: 18532 18533 18535 18539 18541 18545 18546 18547

LNM: 42/20

**WASHINGTON – PUGET SOUND – SEATTLE TO BREMERSON – ELLIOTT BAY/DUWAMISH RIVER – Tribal fisheries (Revised from LNM 41/20)**

The Muckleshoot Tribe is conducting their commercial salmon fishery in Elliott Bay, east of a line drawn from Pier 91 to Duwamish Head Light (LLNR 16910), and on the lower Duwamish River from Elliott Bay up to the Highway 99 Bridge, on the following schedule:

Opens 0800 on 21 Oct, closes at 1200 on 23 Oct 2020 (this opening is Elliot Bay area only);

Opens 0800 on 25 Oct, closes at 1800 on 26 Oct 2020;

Opens 0800 on 28 Oct, closes at 1200 on 30 Oct 2020;

Opens 0800 on 01 Nov, closes at 1800 on 02 Nov 2020;

Opens 0800 on 04 Nov, closes at 1200 on 06 Nov 2020;

Opens 0800 on 08 Nov, closes at 1800 on 09 Nov 2020;

Opens 0800 on 11 Nov, closes at 1200 on 13 Nov 2020;

Opens 0800 on 15 Nov, closes at 1800 on 16 Nov 2020;

Opens 0800 on 18 Nov, closes at 1200 on 20 Nov 2020;

Opens 0800 on 22 Nov, closes at 1200 on 25 Nov 2020;

For more information, contact Coast Guard Sector Puget Sound Waterways Management at (206) 217-6051 or the Muckleshoot Tribal Enforcement at (253) 876-2927.

Chart 18450

LNM: 42/20

**WASHINGTON – PUGET SOUND – SEATTLE HARBOR – DUWAMISH WATERWAY – Bridge deviation**

The Coast Guard intends to approve a deviation request from the operating schedule that governs the 1st Avenue South Highway Bridge (LLNR 16887) across the Duwamish Waterway, mile 2.5, in Seattle, WA. The deviation period will be from 0001 on 15 Jan 2021, to 2359 on 15 Mar 2021, for 24 hours per day. After receiving a signal to open the draw of the 1st Avenue South Bridge, the bridge operator may delay the opening of the draw up to 15 minutes. The 15 minutes gives WSDOT's work crew time to clear the bridge. The 15 minute delay to open applies to vessels of 5000 gross tons and over, a vessel towing a vessel of 5000 gross tons and over, and a vessel proceeding to pick up for towing a vessel of 5000 gross tons and over. During this closure, the draw of the subject bridge may also delay opening the draw up to 15 minutes to marine vessels engaged in emergency operations. The subject bridge provides a vertical clearance of 39 feet center and 22 feet on the sides at high tide. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The deviation is necessary to accommodate WSDOT's bridge equipment replacement. If any mariner or marine business cannot support this deviation, please submit an objections to D13-SMB-D13-bridges@uscg.mil by 04 Nov 2020.

Chart 18450

LNM: 42/20

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

The Naval Surface Warfare Center Detachment Puget Sound, located at SUBASE Bangor, will be working with Western Towboat to operate the Research, Development, Test and Evaluation Barge M241 in the vicinity of Big Beef Creek from sunrise until sunset starting 26 Oct and ending 15 Dec 2020, seven days a week. The operations will consist of many low speed straight line courses parallel to the shoreline with some stationary periods to perform deck operations. The operations will be conducted in an area between Misery Point (47-39-17.57N, 122-49-43.40W) and Hazel Point (47-41-34.81N, 122-46-15.93W). A 28-foot tracking vessel may accompany the barge and occasionally be underway to participate in operations. Questions can be directed to any operating support craft/personnel on VHF-FM Channels 16 or 88A, or the Naval Surface Warfare Center waterfront points of contacts Mark Moss at (360) 396-2948 or Steve Polillo at (360) 315-0333.

Chart 18548

LNM: 41/20

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON - Interstate 90 Highway Bridge construction (Revised from LNM 38/20)**

Kiewit-Hoffman will continue performing seismic upgrades and installing corrosion mitigation devices to the existing approach piers and exterior face of Homer Hadley and Lacey V Morrow for the Interstate 90 (I-90) Highway Bridge (LLNR 18389 and 18398). The West navigation channel and East navigation channel for the I-90 Floating Bridge will have construction activities, but will stay open to mariners. Mariners are advised to use caution while transiting near bridges within the Sound Transit E130 project area. All remaining marine activities will take place from work skiffs, and the use of barges will no longer be present. Both temporary mooring buoys on the North of the Homer Hadley, at the east and west have been removed. Mariners should not deviate from these established paths through navigation channels. Construction and operations at this site are expected to continue through 2020. For additional information contact Charlie Kotten (331) 481-2968 or email Charles.Kotten@Kiewit.com.

Chart 18447

LNM: 41/20

**COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – Uncharted underwater obstruction**

Underwater mapping has revealed a previously uncharted obstruction 50 ft outside of the main shipping channel in approximate position 46-11-33.910 N, 123-50-57.333 W. This location is near Columbia River mile 13.6, approximately 200-250 ft east of the Astoria Megler Highway Bridge

(LLNR 10086) on the Oregon side (south) of the channel. The object is 13 ft by 9 ft in size, covered by approximately 40 ft of water at MLLW. Mariners operating deep draft vessels in this area should be aware of this obstruction.

Chart 18521

LNM: 40/20

**COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Bridge maintenance notice**

ODOT and Bridge Masters Inc. will be installing fiber optic conduit beneath the Interstate 5 Highway Bridge (LLNR 11258) and the Oregon Slough Interstate 5 Highway Bridge (LLNR 11297) from 01 Nov 2020 through 05 Feb 2021. Work hours will be from 2100 on Sunday nights through 0500 on Friday mornings. The installation work vehicle will be a Bridge Walker or an Aspen Under Bridge Inspection Truck. The work vehicle will be marked with a flashing amber light on the bottom of the basket. When the work vehicle is working over the Columbia River portion of the bridge there will be no decrease in vertical navigation clearance, however when working over the Oregon Slough portion of the bridge there will be a 6ft reduction in vertical navigation clearance beneath the work vehicle. Mariners are asked to stay clear of the work vehicle (at least 100ft horizontal separation) as there is a potential risk of falling construction materials and for the safety of the personnel in the work vehicle basket. The work vehicle will monitor VHF-FM Channel 16 if mariners have any concerns as they transit beneath the bridge. For more information, contact Jake Bothe at (760) 815-3845, or Jakob.bothe@bridgemastersinc.com

Charts: 18526 18531

LNM: 40/20

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

The Coast Guard has issued a public notice announcing the receipt of a Bridge Permit Application from Burlington Northern Santa Fe Railway (BNSF) Company. BNSF is requesting approval of location and plans for the replacement of the fendering system on Burlington Northern Railroad Bridge 37 (LLNR 18591.1) across the Snohomish River at mile 3.5 near Everett, Washington, at 48-01-03.364N, 122-11-19.842W. BNSF proposes to replace the existing north protection fender. Public Notice 08-20 solicits comments and is available at <https://www.navcen.uscg.gov/D13BN>. Comments will be received for the record until 30 Oct 2020 at the office of: Commander (dpw), Thirteenth Coast Guard District, 915 2nd Ave, Rm 3510, Seattle, WA or via email at d13-smb-d13-bridges@uscg.mil.

Chart 18444

LNM: 39/20

**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 SHIP CANAL – Hiram M. Chittenden large lock maintenance closure (Revised from LNM 07/20)**

The Hiram M. Chittenden (Ballard) Locks' large chamber will close to all vessel traffic starting at 0530 on 15 Oct 2020 for the third and final scheduled extended closure required for the Stoney Gate Valve Replacement Project. The large lock is scheduled to remain closed until 06 Dec 2020. The small chamber will remain open during this time and vessels up to 28-feet wide by 123-feet long are able to use it. The Locks originally had a fourth closure scheduled in early 2021 but that extra closure is no longer needed. The regular annual lock maintenance closure is expected to return next fall, currently set for 09-24 Nov 2020. For more information, contact Dallas Edwards at (206) 764-6958 or email at Dallas.D.Edwards@usace.army.mil

Chart 18447

LNM: 38/20

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**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.

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**DISCREPANCIES (FEDERAL AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
645	Yaquina Bay Approach Lighted Whistle Buoy Y	AIS INOP	18581	0959-19	50/19	
689	NOAA Environmental Lighted Buoy 46089	ADRIFT	18003	0695-20	41/20	
765.1	NOAA Environmental Lighted Buoy 46002	MISSING	18007	0407-17	20/17	
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
<b>8955</b>	<b>Coos Bay Channel Lighted Buoy 23</b>	<b>LT EXT</b>	<b>18587</b>	<b>0708-20</b>	<b>42/20</b>
9520	Siuslaw River Channel Light 14	STRUCT DEST/TRLB	18583	0764-18	37/18
9575	Yaquina Bay Approach Lighted Whistle Buoy Y	AIS INOP	18581	0959-19	50/19
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	AIS INOP	18581	0959-19	50/19
9595	Yaquina Bay Entrance V-AIS 2	AIS INOP	18581	0959-19	50/19
9600	Yaquina Bay Entrance Lighted Buoy 3	AIS INOP	18581	0959-19	50/19
9605	Yaquina Bay South Jetty Light 4	AIS INOP	18581	0959-19	50/19
9608	Yaquina Bay North Jetty V-AIS 5	AIS INOP	18581	0959-19	50/19
9817	Tillamook Bay Entrance Lighted Bell Buoy 2	OFF STA	18558	0685-20	41/20
9846	Garibaldi Channel Light 11	STRUCT DEST/TRLB	18558	0849-18	40/18
9850	Garibaldi Channel Light 12	STRUCT DEST/TRLB	18558	0694-20	41/20
10220	Miller Sands Channel Lighted Buoy 6	LT EXT	18523	0313-20	18/20
10307	Welch Island Channel Lighted Buoy 22A	LT EXT	18523	0506-20	32/20
10400	Clifton Dike Light 42	LT EXT/DAYMK MISSING	18523	0277-20	15/20
10975	Martin Island Dike Light 63	STRUCT DMGD	18524	0511-18	24/18
11045	St. Helens Junction Lighted Buoy	OFF STA	18524	0693-20	41/20
11165	Willow Dike Light 26	LT IMCH	18525	0387-20	24/20
11280	North Portland Harbor East End Range Front Light	LT EXT	18525	0536-20	33/20
11430	Fisher Quarry Channel Range Front Light	LT EXT	18531	0497-20	32/20
11465	Government Island Range Front Light	LT EXT	18531	0463-20	29/20
<b>11510</b>	<b>Lady Island Upper Range Front Light</b>	<b>LT IMCH/DAYMK IMCH</b>	<b>18531</b>	<b>0722-20</b>	<b>42/20</b>
11530	Washougal Lower Range Front Light	LT IMCH	18531	0393-20	25/20
12980	Lake Wallula West Channel Junction Light W	STRUCT DEST/TRLB	18542	0208-20	09/20
14435	Baker Bay West Channel Daybeacon 7	STRUCT DEST/TRUB	18521	0739-17	35/17
14495	Baker Bay West Channel Daybeacon 21	DAYMK MISSING	18521	0656-20	39/20
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
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	RAC INOP	18471	0473-20	30/20
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20
<b>19262</b>	<b>I &amp; J Street Waterway Buoy 4</b>	<b>OFF STA</b>	<b>18424</b>	<b>0699-20</b>	<b>42/20</b>
19457	Rosario Strait Lighted Buoy 11	MISSING	18429	0679-20	40/20
<b>19974</b>	<b>International Boundary Light F</b>	<b>DAYMK MISSING</b>	<b>18421</b>	<b>0719-20</b>	<b>42/20</b>
<b>19975</b>	<b>International Boundary Light G</b>	<b>LT EXT/DAYMK MISSING</b>	<b>18421</b>	<b>0720-20</b>	<b>42/20</b>
<b>19976</b>	<b>International Boundary Light H</b>	<b>DAYMK DMGD</b>	<b>18421</b>	<b>0721-20</b>	<b>42/20</b>

#### DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
11515	Lady Island Upper Range Rear Light	RELIGHTED	18531	None	42/20	42/20
12460	Lake Umatilla Light 13	RELIGHTED	18535	None	42/20	42/20
15785	Grays Harbor North Channel Range F Front Light	WATCHING PROPERLY	18502	0724-20	34/20	42/20
15855	Cow Point Reach Range H Rear Light	RELIGHTED	18502	None	42/20	42/20

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
<b>10944</b>	<b>Kalama Shoal Isolated Danger Light Buoy K</b>	<b>BUOY DMGD</b>	<b>18524</b>	<b>0704-20</b>	<b>42/20</b>	
11247	Hayden Island Water Monitoring Lighted Buoy A	OFF STA	18526	0630-20	38/20	
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	
16838.1	Elliott Bay Marina Breakwater Light B	LT EXT	18450	0667-20	40/20	
17126	Tacoma Harbor Regulatory Buoys (3)	MISSING	18453	0502-20	32/20	
18845	La Conner Marina North Basin Light	LT IMCH	18427	0671-20	40/20	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
17347	Oro Bay Lighted Buoy 3	WATCHING PROPERLY	18448	0698-20	36/20	42/20
17375	Allyn Dock Light	WATCHING PROPERLY	18448	0718-20	38/20	42/20

**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	
9520	Siuslaw River Channel Light 14	TRLB	18583	0764-18	37/18	
9846	Garibaldi Channel Light 11	TRLB	18558	0857-18	41/18	
<b>9850</b>	<b>Garibaldi Channel Light 12</b>	<b>TRLB</b>	<b>18558</b>	<b>0703-20</b>	<b>42/20</b>	
12980	Lake Wallula West Channel Junction Light W	TRLB	18542	0214-20	10/20	
14435	Baker Bay West Channel Daybeacon 7	TRUB	18521	0755-17	35/17	
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.	LNLM St	LNLM End
None					

## SECTION IV - CHART CORRECTIONS

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

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

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Ref. LNM
18539	9th Ed.	01-MAR-04	Last LNM: 35/16	NAD 83	42/20
Chart Title: Columbia River Blalock Islands to McNary Dam					
CHART OR & WA - COLUMBIA RIVER - BLALOCK ISLANDS TO MCNARY DAM. Page/Side: N/A					
RELOCATE	Lake Umatilla Light 51			CGD13 from 45-54-52.860N to 45-54-52.998N	119-36-48.300W 119-36-48.492W

## 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)	Project Date	Ref. LNM
None		

#### Advance Notice(s)

##### COLUMBIA RIVER – CRIMS ISLAND TO VANCOUVER – Testing of LED Range Lights (Revised from LNM 49/19)

The U.S. Coast Guard is testing LED combination lantern systems to replace the incandescent lanterns at the locations listed below. The remaining change is expected to occur during the spring or summer of 2020:

Kalama Upper Range Rear Light (LLNR 10920) the intensity will be increased to match the Range Front Light.

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

Charts: 18524 18525 LNM: 52/19

##### 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)**

**Closing**

**Docket No.**

**Ref. LNM**

None

**Proposed Change Notice(s)**

**COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Changing the light characteristic for Government Island Range**

proposing to change the lighting characteristics of Government Island Range Front Light and Government Island Range Rear Light as listed below:

Government Island Range Front Light (LLNR 11465) will change from a quick flashing red light (QR) to quick flashing white light (QW), visible 1.5° each side of the range centerline.

Government Island Range Rear Light (LLNR 11470) will change from an isophase 6 seconds red light (Iso R 6s) to isophase 6 seconds white light (Iso W 6s), visible 4° each side of the range centerline.

A quick flashing red light (QR) red light will be installed on the dual structure, visible when vessels are not on the range centerline of Government Island Range and Lady Island Range.

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

Chart 18531

LNM: 38/20

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**SECTION VII - GENERAL**

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

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**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: 42/20

**SUMMARY OF DREDGING OPERATIONS**

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

LNM: 42/20

**SUMMARY OF MARINE EVENTS**

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

LNM: 42/20

**OREGON – COOS BAY – McCullough Highway Bridge Notice**

ODOT will be painting and preserving the McCullough Highway Bridge (US 101) (LLNR 9009) at North Bend, Oregon, across Coos Bay, mile 9.5, from 01 Apr 2019 through 31 Mar 2021, from 0700-1900 seven days per week. The subject bridge provides 148 feet of vertical clearance, which will be reduced to 145.5 feet with the containment system. The containment will be marked with flashing amber lights. Mariners may transit under the bridge at any time, but are advised to use caution for fall hazards. For additional information, contact Nick Frangopoulos at (330) 540-1008 or vimpainting@aol.com.

Chart 18587

LNM: 11/19

**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

**COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Bridge construction**

Advanced American Construction (AAC) will be conducting bridge construction in the Columbia River at the mouth of Little White Salmon River / Drano Lake, near RM 162. Operations include pile driving and work is expected to occur from 06 Jan 2020 to 04 Feb 2021. AAC's Derrick Barge DB 4100, 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 at (360) 953-4833 and email Shadh@callAAC.com or Todd High at (503) 572-0101 and email Toddh@callAAC.com with any questions.

**COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Bridge construction**

Chart 18532

LNM: 51/19

**WASHINGTON – PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – Special Bridge notice (Revised from LNM 30/20)**

SDOT and Kraemer North America are conducting structural repairs to the West Seattle Freeway Bridge (LLNR 16870.2) across the Duwamish West Waterway at mile 0.35, which will impact mariners in several ways. There will be approximately a seven (7) foot reduction of vertical clearance under the bridge from 01 Jun to Nov 2020 due to the installation of work access platforms on the underneath side of the bridge. Mariners should be aware of overhead work and the possibility for falling debris. Mariners should expect that multiple 4-hour closures of the waterway will be required at the end of the maintenance period to dismantle the access platform, anticipated for early October. Questions regarding the navigation closures should be directed to Justin Sieg, Kraemer North America, (425) 961-2769.

Charts: 18449 18450

LNM: 32/20

**WASHINGTON – LAKE WASHINGTON SHIP CANAL - George Washington Memorial Bridge Notice (Revised from LNM 01/18)**

Washington State Department of Transportation will be conducting painting and preservation operations on the George Washington Memorial Street Bridge (Aurora Avenue Bridge) (LLNR 18184). The work will be conducted from 01 Apr 18 through 31 Oct 20. Hours of work will be from 0700 to 1900, Monday through Saturday. The subject bridge provides 135 feet of vertical clearance will be reduced to 125 feet for containment. The containment will be marked with flashing yellow lights and signage. Half of the 150 feet of horizontal clearance will have containment. Mariners may transit under the bridge at any time, and are advised to use caution while transiting the area. For additional information, contact Nick Hadsell, PM, at (330) 402-3232 or nhadsell@libertymaintenanceinc.com.

Chart 18447

LNM: 26/18

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE UNION – Fairview Avenue Bridge Notice (Revised from LNM 18/19)**

Preliminary work to install a turbidity curtain for the Fairview Avenue Bridge Replacement project started on 12 Apr 2019. This turbidity curtain will remain in Lake Union waters 24 hours a day for the duration of the project, projected to run through early 2021. Navigation warning lights are installed on top of flotation logs indicating the location of the turbidity curtain. The bridge will be closed to all road traffic and in-water work will commence on 16 Sep 2019. Navigation is not allowed across or beyond the turbidity curtain which indicates the beginning of an active construction zone. The turbidity curtain is located on waterway 8 in front of the Zymo Genetics building and spans the waterway between Seattle Seaplanes and Windermere Real Estate. For more information contact Chris Barnes, SDOT Construction Engineer, (206) 234-1404, and email chris.barnes@seattle.gov

Chart 18447

LNM: 33/19

**WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR 520 West Approach Bridge South Bridge Replacement (Revised from LNM 40/19)**

American Bridge Company will be constructing a temporary work trestle for the State Route (SR) 520 West Approach Bridge South project in south Union Bay from 04 Nov 2019 through 30 April 2021. The temporary work trestle will be left in place through June 2023 and used for demolishing the existing West Approach Bridge South and constructing the new Approach Bridge. The limits of the temporary work trestle extend from the bridge abutment to approximately 1,100ft west of the west navigation channel. Mariners are advised to transit with caution when navigating near the project area and be aware that no boaters are permitted between the active work zone and work trestles at any time. A graphical representation of the impacted area was included as Enclosure (4) to LNM 43/19. For additional information, contact Mr. Dennis Suh at (504) 206-6494 or email at dsuh@americanbridge.net.

Chart 18447

LNM: 31/20

**WASHINGTON – LAKE WASHINGTON – SAMMAMISH RIVER – West Sammamish River Bridge Notice**

Construction has started on the West Sammamish River Bridge at Sammamish River mile 0.5 near Kenmore, Washington, 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 0700 to 1600 five days per week. 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: 13/20

**WASHINGTON – PUGET SOUND – ANACORTES TO SKAGIT BAY – DECEPTION PASS – Bridge notice (Revised from LNM 06/19)**

WSDOT will be cleaning, painting and repairing the bridges over Deception Pass and Canoe Pass south of Anacortes. The work is expected to begin at 0600 on 01 Apr 2019 and be complete by 2000 on 31 Oct 2021. The Deception Pass Bridge has a vertical clearance of 144 feet, and the vertical clearance under the Canoe Pass Bridge is 154 feet. No in-water work will be conducted, and a full containment system will be employed, however, mariners are cautioned that fall hazards will exist. For further information on this project contact the Project Engineer, Shane Spahr, at (360) 848-7103 or email spahrs@wsdot.wa.gov.

Chart 18427

LNM: 34/20

**IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Notice**

BNSF Railway Company (BNSF) has commenced construction on the new BNSF Railroad Bridge 3.9 (LLNR 20087) on Lake Pend Oreille, Mile 2.7 at Sandpoint, Idaho. Construction is expected to continue until 31 Oct 2020. Due to the seasonal fluctuation of LPO water levels, the project will be done in stages and as needed BNSF will update this Notice to Mariners. The first phase of work includes construction of two temporary work trestles at the north shore (Dog Beach) and south shore (near East Algoma), immediately adjacent to and west of the existing single-track bridge. Work barges will be staged from these temporary work trestles, and moved as necessary by a tug. Hours of construction activities will be 0700 to 1900, Monday to Saturday. During this work phase, some navigational channels will be obstructed; however, one of the channels at spans 67 and 68 and half of the existing spans 2 and 3; 14 through 17; 27 through 30; 40 through 43; 53 through 56; 84; and 95 through 97 will remain unobstructed. Vertical clearance of the existing bridge will be unchanged. The temporary work trestles and work barges will have navigation lights and work zone buoys in accordance with the Navigation Rules. Enclosure (6) of this Local Notice to Mariners displays the project vicinity and expected locations of barges for this phase work activities. Significant changes to the work locations will be updated in a subsequent notice. During all phases and locations, the noted navigational buoy safety lighting for the work areas will be in place. The point of contact for the bridge contractor, Ames Construction, is Mike Pamperin at (612) 741-6535. For additional information contact the BNSF Project Manager, Ryan Kopera at (913) 284-3467.

Chart 18554

LNM: 18/20

### **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 16/20)**

Until further notice, vessels transiting the Snake River navigation locks must use caution when operating near the upstream floating guidewalls at several of the projects:

- Ice Harbor Lock and Dam, Snake River Mile 9.7; 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.
- 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: 24/20

### **COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT - Mouth of the Columbia River Jetty System Major Rehabilitation Project**

Scheduled repairs of the South Jetty have commenced and are planned to continue through 2024. Current in water repairs are being conducted via the land access, but at a future date barges and in water equipment will be used to conduct repairs. This notice will be updated once in water work is scheduled. For additional information on this project contact Sherri Brenner at (503) 550-6743 and email Sheri@jemcamis.com or the Project Superintendent Aaron Anderson at (503) 791- 2161 and 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: 20/20

### **SNAKE RIVER - LOWER GRANITE LAKE - LOWER GRANITE RESERVOIR - Juvenile Sturgeon Survey**

Idaho Power is conducting a survey of juvenile sturgeon on the Snake River in Lower Granite Lake from RM 108 to 145, from 01 Oct through 30 Nov 2020. The survey will consist of up to eight sinking style nets that will be positioned on the lake bottom. Most nets will be within 200 yards of each other. Nets may be positioned across the navigation channel and the top of the nets will maintain a vertical clearance of 29 feet. Each net will be marked with at least one fluorescent red buoy at one end of the net with the number 20-081. The opposite end buoy will be submerged when the net is near the navigation channel. This study will take place only during weekdays. Nighttime nets will be marked with white flashing lights. The nets will be attended by a 29-foot vessel with "Fisheries Research" placards, which will monitor VHF-FM Channel 13, and will answer to "Idaho Power Survey Vessel" when hailed. All nets will be removed from the channel within 20 minutes upon request. For additional information, contact Idaho Power Environmental Department at Jake Hughes (503) 435-9740 or email [jhughes@idahopower.com](mailto:jhughes@idahopower.com).

Chart 18548

LNM: 37/20

### **WEST COAST OF NORTH AMERICA – MEXICAN BORDER TO DIXON ENTRANCE – Haida Gwaii Voluntary Protection Zone**

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. For more information, and to download a descriptive brochure, visit [www.haidagwaii-vpz.ca](http://www.haidagwaii-vpz.ca) or email [info@haidagwaii-vpz.ca](mailto:info@haidagwaii-vpz.ca)

Chart 501

LNM: 35/20

### **WASHINGTON - SWIFTSURE BANK – ECHO Program 2020 Voluntary Vessel Slowdown Trial at Swiftsure Bank**

Effective 01 Aug 2020, a 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:

11.5 knots – Bulkers, 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 Light Buoy JA (LLNR 756) and the

**WASHINGTON - SWIFTSURE BANK – ECHO Program 2020 Voluntary Vessel Slowdown Trial at Swiftsure Bank**

end of the traffic separation scheme. 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 until 2359 PDT on 31 Oct 2020. For more detailed information related to this slowdown and the ECHO program, refer to the following internet web address:

<https://www.portvancouver.com/environment/water-land-wildlife/echo-program/projects/voluntary-vessel-slowdown-trial/>

Charts: 18400 18460 18480

LNM: 29/20

**WASHINGTON – STRAIT OF JUAN DE FUCA – Port of Vancouver Canada 2020 Voluntary Lateral Displacement Program**

As of 01 Jun 2020, the ECHO Program voluntary inshore lateral displacement is in effect for all tug and barge vessels 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 123-52-21.192W, 48-18-37.332N and 124-31-33.378W, 48-28-53.316N, 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 through 31 Oct 2020. See enclosure (4) of LNM 25/20 for more information on the program as well as a chartlet of the displacement zone. For more detailed information related to lateral displacement and the ECHO program, visit the following address:

<https://www.portvancouver.com/environment/water-land-wildlife/echo-program/projects/lateraldisplacement/>

Charts: 18460 18480

LNM: 22/20

**WASHINGTON – STRAIT OF GEORGIA AND STRAIT OF JUAN DE FUCA – Acoustic research buoys**

SMRU Consulting will be testing acoustic buoys in three locations in the Middle Bank and Hein Bank areas south of San Juan Island, from 01 Jun until 01 Nov 2020. The buoys will be monitoring underwater acoustic noise, and will be located in the following approximate positions: (A) 48-24-25.0452N, 122-58-51.8952W (B) 48-23-6.1728N, 123-7-28.7112W (C) 48-19-54.012N, 123-4-25.95W. A chart graphic was included as Enclosure (4) of LNM 11/20. Buoys are 2-foot diameter, yellow in color, marked with a FL Y 6s (flashing yellow six second) light and an orange flag. Mariners are requested to keep a safe distance from the buoy. For additional information, contact Jason Wood at (306) 298-0166 or [jw@smruconsulting.com](mailto:jw@smruconsulting.com).

Chart 18421

LNM: 08/20

**WASHINGTON – PUGET SOUND – ADMIRALTY INLET TO COMMENCEMENT BAY - Waterways Survey**

The Coast Guard is conducting a user survey in the Puget Sound from Admiralty Inlet south to Dalco Passage and Commencement Bay. The Coast Guard uses the Waterways Analysis and Management System (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 comments will be 20 Nov 2020. For additional information please contact LTJG Katie Matha at (206) 220-7283 or email [D13-SMB-D13-DPW@uscg.mil](mailto:D13-SMB-D13-DPW@uscg.mil).

Charts: 18446 18449 18450 18453 18474

LNM: 30/20

**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 [wscmms@wsdot.wa.gov](mailto:wscmms@wsdot.wa.gov).

Chart 18450

LNM: 27/17

**WASHINGTON – PUGET SOUND – ELLIOTT BAY – Terminal 5 pier construction**

Orion Marine will be performing pile removal, demolition of structures, and new pier construction for the Terminal 5 Berth Modernization Project for the Port of Seattle on the Duwamish River west waterway. Phase 1 will start 22 Jul 2019 and run through 31 Dec 2020 and phase 2 will run from Jun 2021 through Mar 2023. Work will typically take place from 0700 to 1700, Monday thru Friday. The DB Rainier and DB St. Helens, will each have a material barge moored alongside and will always remain on site. Each floating plant will have all corners marked with steady burn white lights. The DBs will run on anchors at times so mariners are requested to keep at least a 200-foot distance. The crane and tugs will monitor VHF-FM channel 13. For additional information please contact Bradley Morlock at (253) 552-1140 or email at [bmorlock@orionmarinegroup.com](mailto:bmorlock@orionmarinegroup.com)

Chart 18450

LNM: 28/19

**WASHINGTON – PUGET SOUND – NORTHERN PART – POSSESSION SOUND – Construction at the Mukilteo Ferry Terminal**

WASHINGTON – PUGET SOUND – NORTHERN PART – POSSESSION SOUND – Construction at Mukilteo Ferry Terminal  
Manson Construction Co. will be conducting operations to build the new Mukilteo Ferry Terminal marine structures from 17 Aug 20 through 15 Mar 21. The typical hours of operation are Monday through Friday, 0600 to 1630. The new terminal is located approximately .3 NM north-west of the existing WSF Mukilteo Ferry Terminal. Operations will include, but are not limited to pile driving, pouring concrete, steel erection and welding, heavy lifting, and miscellaneous marine construction. Marine construction equipment will stay on location during operational and non-operational periods. The vessels involved in the project are Derrick barge 24, Deck barges Manson 38, Manson 50, Manson 58 and Manson 64. The tug Harry M will be onsite intermittently. The vessels will monitor VHF-FM channel 8. The Derrick Barge 4 will have anchors deployed with crown buoys locating each submerged anchor. Submerged anchor cables are present and local mariners are requested to stay at least 1000ft from equipment. Mariners are requested to proceed with extreme caution, provide a wide berth, and operate at a slow speed while transiting in this area. For additional information contact Manson's Project Manager Ms. Monica Blanchard at (206) 913-7498 or Project Superintendent Mr. Erik Dolmseth at (206) 384-3025.

Chart 18443

LNM: 30/20

**WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing (Revised from LNM 49/19)**

The Naval Undersea Warfare Center (NUWC) at Keyport, WA will be continuing operations in the vicinity of NUWC between the Brownsville Marina and Keyport through 23 Dec 2020. Operations will be conducted Monday through Friday during daylight hours. Operations will involve semi-

**WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing (Revised from LNM 49/19)**

submersible 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: 50/19

**WASHINGTON – PUGET SOUND – PORT TOWNSEND – KILISUT HARBOR – Kilisut Harbor Channel opening**

The channel at the southern end of Indian and Marrowstone Islands connecting Kilisut Harbor and Oak Bay has been reopened for the first time in over 60 years. Mariners should use extreme caution when attempting to navigate this new area. The channel is in flux at this time as each tidal cycle brings new sediment and shifting shoals. The project anticipated a water depth of 5 feet once the channel has stabilized but depths are much shallower at present. The new bridge across the waterway was designed with a vertical clearance of 10 feet at mean high water. Since the channel was opened, strong currents have been observed and the existence of a 90 degree turn make maneuvering difficult. Power driven vessels should proceed slowly and use caution due to the presence of many paddle craft. The majority of the land surrounding the channel is privately owned or restricted property and mariners are requested to refrain from landing on anything other than public access.

Charts: 18464 18477

LNM: 34/20

**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

**OREGON – WASHINGTON – IDAHO – NOAA's planned end of paper chart production**

On 15 Nov 2019, NOAA formerly announced in the Federal Register (Docket #2019-24807) that they would begin a 5-year process of discontinuing their traditional paper, or raster, charts by 2025. NOAA intends to gradually 'sunset' raster chart products and is introducing an option to create custom ENC data based charts that can be printed as a paper copy locally or commercially, via one of their certified third party printers. More detailed information regarding this transition is available from <https://nauticalcharts.noaa.gov/publications/docs/raster-sunset.pdf>. Comments/questions on the Federal Register Notice and the NOAA Custom Chart application should be submitted at <https://www.nauticalcharts.noaa.gov/customer-service/assist/>. Other concerns may be directed to your local NOAA Navigation Manager, <https://nauticalcharts.noaa.gov/customer-service/regional-managers/index.html>. In order to identify and overcome the regulatory challenges associated with this transition including but not limited to updating commercial vessel carriage requirements and maritime safety information processes, NOAA will continue to work directly with its Agency charting partners. A prototype version of the NOAA Custom Chart Tool is available at <https://devgis.charttools.noaa.gov/pod/>.

LNM: 03/20

**OREGON – WASHINGTON – IDAHO – Shallow draft waterways study**

The U.S. Coast Guard is conducting a Waterways Analysis and Management System (WAMS) Study on the Shallow Draft system (waters less than 12 feet). The purpose of this study is to determine the navigational needs and requirements of vessels operating in shallow draft navigable waterways throughout the country. The study will focus on the existing shallow water ATON system, future development projects, waterborne commerce transiting these waters, and marine casualty information. Waterway users, interested parties, and stakeholders are invited to provide comments or feedback via the tool posted at <https://www.surveymonkey.com/r/ShallowWaterWAMS>. This link will remain available until 01 Nov 2020. Additional questions or comments may be emailed to [CGNAV@uscg.mil](mailto:CGNAV@uscg.mil) using the subject line: "Shallow Draft WAMS".

LNM: 32/20

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**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
12650	LAKE UMATILLA LIGHT 51	45-54-52.998N 119-36-48.492W	Q G	15	4	SG on multi-pile structure.	42/20

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**ENCLOSURES**

**Enclosure 1**

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

LNM: 42/20

**Enclosure 2**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 42/20

**Enclosure 3**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNМ: 42/20

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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
<b>OREGON COAST</b>						
None						
<b>COLUMBIA RIVER</b>						
	11933	Hood River Highway Bridge	Hood River, OR	Center Span lights up & down river Extinguished	7/26/2020	0476-20
	12753	I-82 Highway Bridge (NB)	Umatilla, OR	Green, center channel light extinguished	6/25/2020	0406-20
<b>SNAKE RIVER</b>						
	14070	Camas Prairie RR Bridge	Lewiston, ID	Multiple lights extinguished	9/16/2019	0705-19
<b>WILLAMETTE RIVER</b>						
	14955.2	Broadway Highway Bridge	Portland, OR	Upstream, western lift span light extinguished	7/22/2020	0464-20
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Multiple lights extinguished	10/17/2019	0802-19
<b>WASHINGTON COAST</b>						
None						
<b>PUGET SOUND</b>						
	17248	Fox Island Highway Bridge	Fox Island, WA	Green center span light extinguished	9/2/2020	0588-20
	18184	George Washington Street Bridge	Lake Washington Ship Canal	Lights extinguished	10/1/2020	0664-20
	18230	I-5 Highway Bridge	Lake Washington Ship Canal	Lights extinguished	10/1/2020	0665-20
	18454.5	Harstene Island Highway Bridge	Shelton, WA	Lighting is reduced intensity	9/3/2020	0590-20
<b>IDAHO</b>						
None						
BRIDGE CORRECTIONS						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
<b>OREGON COAST</b>						
None						
<b>COLUMBIA RIVER</b>						
None						
<b>SNAKE RIVER</b>						
None						
<b>WILLAMETTE RIVER</b>						
None						
<b>WASHINGTON COAST</b>						
None						
<b>PUGET SOUND</b>						
None						
<b>IDAHO</b>						
None						

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNМ
5-Oct-20	30-Nov-20	24 Hrs/7 Days	Coos Bay; South Slough Charleston Marina	M/V The Laura	Ms. SoCo	VHF-FM 13, 16, 69	Site G	39/20
1-Oct-20	31-Oct-20	24 Hrs/7 Days	Coos Bay River; GMA Garnet Facility (RM 14+40)	M/V Patriot	John Brix, Eagle, Maverick, Casey H	VHF-FM 13 & 16	Site H	37/20
31-Oct-20	31-Dec-20	24 Hrs/7 Days	Columbia River; Hammond Marina (RM 8.5)	N/A	None	VHF-FM 16 & 17	IW RM 9	42/20
29-Sep-20	31-Oct-20	24 Hrs/7 Days	Columbia River; Chinook Channel	M/V Heidi Renee	James T	VHF-FM 16 & 69	Area D, W-4.8-IW	42/20
25-Oct-20	26-Oct-20	23 Hrs/7 Days	Columbia River; Flavel (RM 12+40 to 13+20)	M/V Essayons	None	VHF-FM 13 & 16	RM 6.0 WA side	42/20
27-Oct-20	28-Oct-20	23 Hrs/7 Days	Columbia River; Upper Sands (RM 14+40 to 17+00)	M/V Essayons	None	VHF-FM 13 & 16	RM 6.0 WA side	42/20
23-Oct-20	24-Oct-20	24 Hrs/7 Days	Columbia River; Walker Island Reach (RM 59+50 to 62+00)	M/V Essayons	None	VHF-FM 13 & 16	RM 61/62 OR side RM 61.3 WA side	42/20
19-Oct-20	20-Oct-20	24 Hrs/7 Days	Columbia River; Slaughters (RM 63+05 to 64+20)	M/V Essayons	None	VHF-FM 13 & 16	RM 69.6 OR side	42/20
21-Oct-20	22-Oct-20	24 Hrs/7 Days	Columbia River; Lower & Upper Dobelbower (RM 68+50 to 72+05)	M/V Essayons	None	VHF-FM 13 & 16	RM 69.6 OR side	42/20
12-Oct-20	9-Nov-20	24 Hrs/7 Days	Columbia River; Cottonwood Island (RM 69+10 to 70+00)	M/V Oregon	Clackmas, Ivanhoff, Williams	VHF-FM 13 & 16	TBD	41/20
27-Oct-20	29-Oct-20	24 Hrs/7 Days	Columbia River; Kalama Ranges & Turning Basin (RM 73+30 to 75+00)	M/V Yaquina	None	VHF-FM 13 & 16	RM 73.0 OR side	42/20
24-Oct-20	26-Oct-20	24 Hrs/7 Days	Columbia River; Kalama/Lower Martin (RM 75+00 to 77+30)	M/V Yaquina	None	VHF-FM 13 & 16	RM 78.8 OR side	42/20
20-Oct-20	23-Oct-20	24 Hrs/7 Days	Columbia River; Lower/Upper Martin (RM 78+40 to 81+25)	M/V Yaquina	None	VHF-FM 13 & 16	RM 80.4 OR side	42/20
18-Oct-20	19-Oct-20	24 Hrs/7 Days	Columbia River; Upper Martin (RM 81+25 to 83+45)	M/V Yaquina	None	VHF-FM 13 & 16	RM 82.3 and 81.0 OR side	42/20
28-Sep-20	31-Oct-20	12 Hrs/7 Days	Willamette River; McCall Oil Dock (RM 7.8)	M/V Sea Horse	Tug Husky Tug Terilyn	VHF-FM 13, 16, 67	TBD	38/20
28-Sep-20	31-Oct-20	Daylight Hours	Willamette River; Willamette Sailing Club (RM 15.7)	M/V Dredge #6	Santiam, Rossisle	VHF-FM 13 & 16	Ross Is Lagoon	37/20
1-Sep-20	28-Oct-20	Daylight Hours	Grays Harbor; Point Chehalis and Westport Marina	M/V Shark	None	VHF-FM 13, 16, 69	Point Chehalis IW Site	33/20
12-Oct-20	31-Dec-20	24 Hrs/7 Days	Puget Sound; Admiralty Inlet, Keystone Harbor	M/V Palouse	Skagit, Dungeness	VHF-FM 13 & 16	Ashore	39/20
22-Sep-20	20-Nov-20	24 Hrs/7 Days	Quillayute River; Inner channel, Boat Basin	M/V Renegade	Buccaneer	VHF-FM 13, 16, 79	Various	39/20

**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
		None Scheduled	

## SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
23-Oct-20	1100-1800	SYC 41st Annual Grand Prix Regatta	Shilshole Bay near Meadow Point
24-Oct-20	1000-1700	CYCT Point Series	Des Moines to Tacoma
24-Oct-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
24-Oct-20	1100-1800	SYC 41st Annual Grand Prix Regatta	Shilshole Bay near Meadow Point
25-Oct-20	1400-1700	CYCT Fall Dingy Frostbite Series	Commencement Bay
25-Oct-20	1100-1800	SYC 41st Annual Grand Prix Regatta	Shilshole Bay near Meadow Point
31-Oct-20	1000-1600	Milltown Sailing Association Sailboat Races	Port Gardner
31-Oct-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
31-Oct-20	1100-1700	Race Your House	Shilshole Bay to Pt. Madison