



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

## LOCAL NOTICE TO MARINERS

**District: 13**

**Week: 16/20**

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)  
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Telephone: (206) 220-7280

Email: D13-SMB-D13-LNM@uscg.mil  
<https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/>  
<https://www.navcen.uscg.gov/?pageName=InmDistrict&region=13>

COMDTPUB P16502.6, Light List Volume VI, 2020 Edition, and Coast Pilot Volume 7, 2019 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 D13-0282-20	Ending BNM D13-0294-20
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### ABBREVIATIONS

#### A through H

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

#### 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  
MSLD - Misleading

#### 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  
STA - Station

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

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

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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**OREGON – WASHINGTON – FCC withdrawal as Accounting Authority for maritime radio services**

On 22 Apr 2020 any shipboard Inmarsat-C mobile satellite terminal, including those used in the Global Maritime Distress and Safety System (GMDSS), still commissioned using the Federal Communications Commission (FCC) as an Accounting Authority will be barred. Affected terminals will still be capable of transmitting distress alerts, receiving distress-priority messages from RCCs and receiving SafetyNET maritime safety information broadcasts. However, all other functions including Long Range Identification and Tracking (LRIT), piracy alerting and messaging will be disabled on that date. After 22 April, affected terminals can be identified by sending a standard C mail (e-mail) from the ship earth station and confirming its delivery. Further information is available by FCC Public Notice DA 19-315 and recommended action is provided in FCC Accounting Authority Transition Frequently Asked Questions. Ships carrying affected GMDSS satellite terminals will be non-compliant with US and SOLAS GMDSS regulations.

LNM: 16/20

**COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – ASTORIA – Bridge inspection notice**

Oregon Department of Transportation (ODOT) will conduct an inspection on the Astoria Highway Bridge (LLNR 10086), AKA the Astoria-Megler Bridge across the Columbia River in Astoria, Oregon, on 04-08 May 2020. ODOT will not be working or inspecting the south channel, the main commercial shipping channel, but other navigable spans of the bridge will be impacted. The inspection will require pressure washing to remove guano, and two Under Bridge Inspection Trucks (UBITs) will be utilized, temporarily extending below the bridge from the road surface. Bridge navigation lighting will not be obstructed, and ODOT will use a spotter to identify marine traffic in the event a vessel passes through a navigational channel. Mariners with questions or concerns should contact the onsite bridge supervisor, Dan McFadden, at (503) 440-0949.

Chart 18521

LNM: 16/20

**COLUMBIA RIVER – HARRINGTON POINT TO CRIMS ISLAND – WAUNA – Marine construction and diving operations**

Advanced American Contractor will be performing emergency work on an outfall pipe located near Wauna Mill Water Outfall Lighted Buoy B (LLNR 10428) on the Oregon side of the Columbia River RM 41. Work includes diving operations and when diving, the Alpha flag and Diver Down flag will be displayed. The vessel "AAC Dive Boat" will be on station from 20 – 25 Apr 2020, will work Monday – Saturday, 0600 to 1700 and will monitor VHF-FM 13 during working hours. The vessel will be moved off station during non-working hours. Mariners are requested to reduce speed and avoid approaching near the work area. Please contact Scott Miller at (503) 568-4313 or ScottM@callaac.com for more information.

Chart 18523

LNM: 16/20

**SNAKE RIVER – LAKE SACAJAWEA AND LAKE HERBERT G. WEST AND LAKE BRYAN – Upstream floating guidewall restrictions (Revised from LNM 15/20)**

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 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: 16/20

**OREGON – WASHINGTON – Updated email addresses for contacting the Coast Guard**

All mariners and maritime stakeholders should note that the Coast Guard's Thirteenth District office of Waterways Management, Aids to Navigation and Bridge Administration in Seattle, Washington has changed their office shared email addresses. These include emails for LNM submissions, aids to navigation discrepancies, questions and comments, private aids to navigation (PATON) issues, Bridge operations and

permits, and WAMS questionnaires. We apologize for any inconvenience this change may cause. Beginning on 15 Apr 2020, the following email addresses are discontinued:

D13-LNM@uscg.mil  
D13-PF-LNM@uscg.mil  
D13-PF-D13BRIDGES@uscg.mil  
D13-PATON@uscg.mil  
D13-PF-D13DPW@uscg.mil

The new email addresses below should be used for all future communications:

D13-SMB-D13-LNM@uscg.mil  
D13-SMB-D13-BRIDGES@uscg.mil  
D13-SMB-D13-PATON@uscg.mil  
D13-SMB-D13-DPW@uscg.mil

LNM: 15/20

#### **OREGON – WASHINGTON – National Geospatial-Intelligence Agency updated Light List Corrections procedures**

Effective immediately with NGA NtM 16/2020 (18 APR 2020), NGA will now be posting fully corrected versions of the Coast Guard Light List (LL) to their Maritime Safety Information (MSI) webpage and will suspend issuing corrections to the Coast Guard LL within the NGA NtM. The Coast Guard NAVCEN provides PDF and XML versions of their weekly corrected Light List publications available at <https://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>. Coast Guard NVIC 01-16 allows for publications to be kept in electronic format as long as the publication updates are reasonably available. To align with the NVIC, NGA will match the Coast Guard format and will start posting the fully corrected Coast Guard Light List PDFs on their website at <https://msi.nga.mil/Publications/USCGLL>. This will allow the mariner to download a corrected version of the Coast Guard Light List instead of applying notice corrections to the baseline PDFs. Effective immediately, NGA will stop incorporating individual USCG Light List corrections in their weekly Notice to Mariners. Additionally, the "SEARCH ONLINE DATABASE" query function on NGA's MSI webpage will no longer be maintained. Until it can be removed from the MSI webpage, mariners are directed to only use the updated Coast Guard Light List PDFs for all light information. The specific Light List corrections can continue to be viewed in each Local Notice to Mariner by District at: <https://www.navcen.uscg.gov/?pageName=lnmMain>. Please contact the Maritime Safety Office or the Maritime Light Team at [Maritime\\_Lights@nga.mil](mailto:Maritime_Lights@nga.mil) with any questions.

LNM: 15/20

#### **OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Bridge notice**

The Coast Guard has approved a temporary deviation due to the cancelation of the Rose Festival Parade. The bridges listed in 33CFR§117.897 shall operate as follows:

- (c) The draws of the bridges listed in paragraph (c)(3) shall open on signal if appropriate advance notice is given to the drawtender of the Hawthorne Bridge subject to the following requirements and exceptions:
- (1) The draws need not open for the passage of vessels from 7 a.m. to 9 a.m. and 4 p.m. to 6 p.m. every Monday through Friday; except that on New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, and Christmas Day, the draws shall open in accordance with the notice requirements of paragraph (c)(3) below.
  - (3)(i) Broadway Bridge, mile 11.7, from 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, notice of at least two hours in advance is required.
  - (ii) Steel Bridge (upper deck only), Portland, mile 12.1. From 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, two hours notice is required.
  - (iii) Burnside Bridge, mile 12.4, from 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, two hours notice is required.
  - (iv) Morrison Bridge, Portland, mile 12.8, from 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, two hours notice is required.
  - (v) Hawthorne Bridge, Portland, mile 13.1, no advance notice required.

For information on this deviation, mariners can email [D13-SMB-D13Bridges@uscg.mil](mailto:D13-SMB-D13Bridges@uscg.mil)

Chart 18526

LNM: 15/20

#### **COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – WARRENDALE – NOAA Fisheries research barge**

There will be a NOAA Fisheries research barge moored on the Oregon side of Warrendale Upper Range in approximate position 45-37-08.400N, 121-59-35.700W from 23 Apr through 23 Jun 2020. The stern of the barge is attached to a white mooring ball downstream and anchored to a 250 ft. mooring line upstream. The barge is 50 ft wide, 30 ft long and 4 ft tall and marked with yellow flagging on all corners, a radar reflector and a yellow light flashing every 4s (FI Y 4s). Mariners are requested to reduce wake when transiting the area and keep a safe distance. For additional information, contact Gabriel Brooks at (206) 334-6824 or email [Gabriel.Brooks@noaa.gov](mailto:Gabriel.Brooks@noaa.gov).

Chart 18531

LNM: 15/20

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

The Navy will conduct tactical boat operations on 23 April 2020 on the water along the western side of US Naval Magazine Indian Island, during the hours of 0800-1600. The training area is located from the southern portion of Crane Point at 48-02-55.352N, 122-44-31.121W extending westward to 48-02-55.352N, 122-44-52.674W, extending NNW to 48-04-19.272N, 122-45-36.436W, and extending to the N and NE encompassing 500 meters standoff from the Portable Security Barrier (PSB) system to Walan Point. Potential hazards will include three 33-foot Police boats, grey in color with blue lights flashing conducting high-speed maneuvers intercepting surface vessels performing simulated attacks on the waterfront of Indian Island. Military Police personnel will be using machine guns with blank fire to repel simulated hostile forces. This training

area is restricted to U.S. Navy, Coast Guard and Jefferson County Sheriff vessels during the above mentioned times. It is required that all vessels maintain a safe distance in all directions from the northern edge of the Ammunition Pier extending from Walan Point extending westward to the identified coordinates and south of Crane Point area as well as 500 yards from the vessels engaged in exercises. Vessels involved in the exercise can be contacted on VHF-FM channels 69, 71 and 16. For more information, contact Naval Magazine Indian Island, Brian Nelson, at (360) 396-5361 or email [brian.t.nelson3@navy.mil](mailto:brian.t.nelson3@navy.mil).

Charts: 18464 18471

LNM: 15/20

#### **OREGON – WASHINGTON – Marine Safety Information Bulletin regarding COVID-19 issues**

As the COVID-19 pandemic impacts the maritime industry, the Coast Guard is continuing critical functions while remaining flexible to challenges of this dynamic situation. The Coast Guard is releasing guidance and updated protocols for a variety of operations, maritime policies and regulatory requirements via Marine Safety Information Bulletins. Mariners and maritime stakeholders are encouraged to visit Coast Guard Maritime Commons Blog for all the MSIB related to COVID-19, and to check frequently for updates at the following link: <https://mariners.coastguard.blog/category/coronavirus-covid-19/>

LNM: 14/20

#### **COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Interstate 5 Highway Bridge notice**

The Coast Guard intends to approve a request from ODOT for a temporary deviation from the operating schedule that governs the Interstate 5 Highway Bridge (LLNR 11258) across the Columbia River at mile 106.5 between Vancouver, Washington and Portland, Oregon. In order to facilitate a major repair to the lift mechanism of the northbound span, the bridge need not open to mariners from 10 Sep through 22 Sep 2020. A safety zone will be established around the draw span for construction equipment and mariners will not be able to transit through the main channel. The Barge Channel North and Alternate Barge Channel South will remain available to mariners during this deviation. Enclosure (4) to this LNM provides more details. If any mariner has questions or concerns with this deviation, please contact the Bridge Administrator, Steve Fischer at (206) 220-7282, or email [steven.m.fischer3@uscg.mil](mailto:steven.m.fischer3@uscg.mil) by 01 May 2020.

Charts: 18525 18526 18531

LNM: 14/20

#### **OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Hawthorne Bridge notice**

The Coast Guard has received two temporary deviation requests for the operating schedule that governs the Hawthorne Highway Bridge (LLNR 14955.6) across the Willamette River, mile 13.1, at Portland, Oregon. The deviation periods will be from 0700 to 1700 daily from 03 Jul to 06 Jul 2020, and from 0700 to 1700 daily from 10 Jul to 13 Jul 2020. These deviations are necessary to accommodate electrical service upgrades, and allows the bridge to remain in the closed-to-navigation position to facilitate the safe and timely upgrades. The Hawthorne Bridge provides 49 feet of vertical clearance in the closed-to-navigation position referenced to Columbia River Datum 0.0. The normal operating schedule is in 33 CFR 117.897(c)(3)(v). Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The draw span will not be able to open for vessels engaged in emergency response operations during this closure period. In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the effective period of this temporary deviation. If any mariner cannot support these deviation dates/times, please reply to Danny McReynolds at [danny.g.mcreynolds@uscg.mil](mailto:danny.g.mcreynolds@uscg.mil) by 01 May 2020.

Chart 18526

LNM: 14/20

#### **WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – GUEMES CHANNEL – Sub-Surface current meter**

The City of Anacortes has deployed current monitoring equipment in Guemes Channel directly north of Pier 2 in Anacortes, Washington in approximate location 48-31-26.775 N, 122-36-28.916 W. The equipment is an Acoustic Doppler Current Meter mounted on the seabed in approximately 62 feet of water, which will be in place until 04 May 2020. For more information contact Kevin Redman at (206) 288-6153 or email [Kevin.Redman@rpsgroup.com](mailto:Kevin.Redman@rpsgroup.com)

Charts: 18421 18427

LNM: 14/20

#### **SNAKE RIVER – LAKE SACAJAWEA TO LAKE HERBERT G. WEST - Snake River Minimum Operating Pool operations**

Beginning 03 Apr 20, the Snake River reservoirs will transition to Minimum Operating Pool (MOP) operations and spring spill for fish passage in accordance with the 2020 Fish Operations Plan. The facilities affected are; McNary Lock and Dam (Columbia River mile 292); Ice Harbor Lock & Dam (RM 9.7); Lower Monumental Lock & Dam (RM 41.6); Little Goose Lock & Dam (RM 70.3); and variable MOP at Lower Granite Lock & Dam (RM 107.3). The MOP ranges for each Snake River pool are listed below, with the elevations referenced to the North American Vertical Datum of 1929 and the Pool Elevation listed in feet:

Ice Harbor, Lake Sacajawea: 437 to 438.5 (509)-543-3231. Call Sign WUJ42 Ice Harbor  
Lower Monumental, Lake Herbert G. West: 537 to 538.5 (509) 282-7231. Call Sign WUJ43 Lower Monumental  
Little Goose, Lake Bryon: 633 to 634.5 (509) 399-2233 x231. Call Sign WUJ44 Little Goose  
Lower Granite, Lower Granite Lake: 733 to 736.5 (509) 843-2231. Call Sign WUJ45 Lower Granite

The variable MOP at Lower Granite is based on Snake River flows:

INFLOW	FOREBAY RANGE
120,000+ CFS	733.0-734.5
80,000-120,000 CFS	734.0-735.5
50,000-80,000 CFS	734.5-736.0
0 – 50,000 CFS	735.0-736.5

Because State water quality standards have changed since 2019, there may be a higher rate of discharge through the dam spillways compared to previous years, and river navigators may experience currents and eddies in the tailrace not previously encountered. If navigators believe river conditions inhibit safe navigation to or from a lock, they may request a temporary adjustment to spill using the contact information below. Contact with lock and dam shift operators should be initiated no less than 30 minutes prior to arriving at the lock, as a requested redistribution or

reduction of spill may take as long as 30 minutes to attenuate. Additionally, downstream departures may be delayed for the requested spill change to be implemented and take effect. Navigators are encouraged to contact dam operators and report any unsafe navigation conditions. For additional information, contact the NWW Operations Division at (509) 527-7364.

Charts: 18545 18546 18547 18548

LNM: 13/20

**WASHINGTON – LAKE WASHINGTON – 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

**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
590	NOAA Environmental Lighted Buoy 46015	MISSING	18580	0932-19	48/19	
645	Yaquina Bay Approach Lighted Whistle Buoy Y	AIS INOP	18581	0959-19	50/19	
755	Strait of Juan De Fuca Traffic Separation Lane Lighted Whistle Buoy J	MISSING	18460	0482-19	28/19	
765	Duntze Rock Lighted Bell Buoy 2	MISSING	18485	0074-19	04/19	
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	18602	0248-19	15/19	
9520	Siuslaw River Channel Light 14	STRUCT DEST	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	
9846	Garibaldi Channel Light 11	STRUCT DEST	18558	0849-18	40/18	
10400	Clifton Dike Light 42	LT EXT/DAYMK MISSING	18523	0277-20	15/20	
10525	Westport Channel Lighted Buoy 68	OFF STA	18523	0641-19	35/19	
10975	Martin Island Dike Light 63	STRUCT DMGD	18524	0511-18	24/18	
12140	The Dalles Dam Buoy B	OFF STA	18533	0166-20	07/20	
12980	Lake Wallula West Channel Junction Light W	STRUCT DEST	18542	0208-20	09/20	
14385	Franklin D. Roosevelt Lake Buoy 22	MISSING	18553	None	43/19	
14435	Baker Bay West Channel Daybeacon 7	STRUCT DEST	18521	0739-17	35/17	
15040	Oswego Rock Daybeacon	STRUCT DEST	18528	0394-17	20/17	
15210	Willapa Bay Entrance Light 13	STRUCT DEST	18504	0839-16	38/16	
15575	Grays Harbor Entrance Lighted Buoy 9	MISSING	18502	0280-20	15/20	

16071.25	Hoquiam River Obstruction Buoy	MISSING	18502	0178-20	08/20
16135	Strait of Juan De Fuca Traffic Separation Lane Lighted Whistle Buoy J	MISSING	18460	0482-19	28/19
16150	Duntze Rock Lighted Bell Buoy 2	MISSING	18485	0074-19	04/19
17410	West Olympia Shoal Light 1	MISSING	18456	0140-20	06/20
17840	Hazel Point Light	LT IMCH	18458	0270-20	14/20

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
680	Tillamook Bay Approach Lighted Whistle Buoy T	RELIGHTED	18558	None	16/20	16/20
9810	Tillamook Bay Approach Lighted Whistle Buoy T	RELIGHTED	18558	None	16/20	16/20
15545	Grays Harbor Bar Range Rear Light	RELIGHTED	18502	0291-20	07/20	16/20
15615	Grays Harbor South Reach Range A Rear Light	WATCHING PROPERLY	18502	0292-20	08/20	16/20

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10455	Chip Dock Light	LT EXT	18523	0855-19	44/19	
16115	University of Washington LaPush Research Lighted Buoy	MISSING	18480	0944-19	49/19	
16925	Blake Island Light 1	LT EXT	18449	0279-20	15/20	
19755	Pearl Island Dock Light	LT IMCH	18433	0937-19	48/19	
19894	Intalco Pier South Light	STRUCT DEST	18431	0988-19	51/19	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

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

**PLATFORM DISCREPANCIES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED**

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

**TEMPORARY CHANGES**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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	
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	
15595	Grays Harbor Channel Lighted Whistle Buoy 11	RELOCATED FOR DREDGING	18502	0174-20	08/20	

15655	Grays Harbor South Reach Lighted Gong Buoy 21	RELOCATED FOR DREDGING	18502	0175-20	08/20
17410	West Olympia Shoal Light 1	TRLB	18456	0163-20	07/20

**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		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.

<b>18421</b>	<b>53rd Ed.</b>	<b>01-MAR-19</b>	<b>Last LNM: 04/19</b>	<b>NAD 83</b>		<b>16/20</b>
<i>Chart Title: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor</i>						
<b>CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A</b>						
RELOCATE	Pearl Island Light 1				CGD13 from 48-36-58.167N to 48-36-58.206N	123-10-12.947W 123-10-12.528W
<b>18433</b>	<b>6th Ed.</b>	<b>01-APR-05</b>	<b>Last LNM: 42/17</b>	<b>NAD 83</b>		<b>16/20</b>
<i>Chart Title: Haro Strait-Middle Bank to Stuart Island</i>						
<b>Main Panel 1686 HARO STRAIT MIDDLE BANK TO STUART ISLAND. Page/Side: N/A</b>						
RELOCATE	Pearl Island Light 1				CGD13 from 48-36-58.167N to 48-36-58.206N	123-10-12.947W 123-10-12.528W
<b>18440</b>	<b>31st Ed.</b>	<b>01-APR-17</b>	<b>Last LNM: 42/19</b>	<b>NAD 83</b>		<b>16/20</b>
<i>Chart Title: Puget Sound</i>						
<b>Main Panel 1688 PUGET SOUND - -. Page/Side: -</b>						
CHANGE	Orchard Point Light				CGD13 at 47-33-54.660N	122-31-55.680W
	Nominal range to 7M.					
<b>18441</b>	<b>49th Ed.</b>	<b>01-APR-20</b>	<b>Last LNM: 48/17</b>	<b>NAD 83</b>		<b>16/20</b>
<i>Chart Title: Puget Sound-northern part</i>						
<b>Main Panel 1689 PUGET SOUND - NORTHERN PART - -. Page/Side: -</b>						
					CGD13	

CHANGE	Orchard Point Light Nominal range to 7M.		at 47-33-54.660N	122-31-55.680W	
<b>18448</b>	<b>36th Ed.</b>	<b>01-DEC-15</b>	<b>Last LNM: 49/18</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Puget Sound-southern part</i>					
<b>CHART WA - PUGET SOUND - SOUTHERN PART. Page/Side: N/A</b>					
CHANGE	Orchard Point Light Nominal range to 7M.		CGD13 at 47-33-54.660N	122-31-55.680W	
<b>18449</b>	<b>21st Ed.</b>	<b>01-NOV-19</b>	<b>Last LNM: 41/17</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Puget Sound-Seattle to Bremerton</i>					
<b>Main Panel 1713 PUGET SOUND SEATTLE TO BREMERTON - -. Page/Side: -</b>					
CHANGE	Orchard Point Light Nominal range to 7M.		CGD13 at 47-33-54.660N	122-31-55.680W	
<b>18474</b>	<b>11th Ed.</b>	<b>01-DEC-15</b>	<b>Last LNM: 49/18</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Puget Sound-Shilshole Bay to Commencement Bay</i>					
<b>Main Panel 1679 PUGET SOUND SHILSHOLE BAY TO COMMENCEMENT BAY. Page/Side: A</b>					
CHANGE	Orchard Point Light Nominal range to 7M.		CGD13 at 47-33-54.660N	122-31-55.680W	
<b>18502</b>	<b>88th Ed.</b>	<b>01-FEB-17</b>	<b>Last LNM: 44/17</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Grays Harbor;Westhaven Cove</i>					
<b>CHART WA - GRAYS HARBOR. Page/Side: N/A</b>					
RELOCATE	Grays Harbor North Channel Light 46		CGD13 from 46-58-01.482N to 46-58-01.578N	123-52-20.826W 123-52-20.843W	
<b>18542</b>	<b>10th Ed.</b>	<b>08-JAN-00</b>	<b>Last LNM: 37/16</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Columbia River Juniper to Pasco</i>					
<b>CHART OR &amp; WA - WEST COAST - COLUMBIA RIVER - JUNIPER TO PASCO. Page/Side: N/A</b>					
RELOCATE	Lake Wallula Light 34		CGD13 from 46-08-52.893N to 46-08-52.765N	118-58-40.375W 118-58-40.640W	
<b>18547</b>	<b>9th Ed.</b>	<b>01-JAN-16</b>	<b>Last LNM: 40/17</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Snake River-Lake Bryon</i>					
<b>CHART WA - SNAKE RIVER - LAKE BRYAN. Page/Side: N/A</b>					
RELOCATE	Little Goose Reservoir Light 7		CGD13 from 46-35-33.738N to 46-35-34.002N	117-53-23.571W 117-53-23.964W	
<b>18548</b>	<b>5th Ed.</b>	<b>01-DEC-02</b>	<b>Last LNM: 10/17</b>	<b>NAD 83</b>	<b>16/20</b>
<i>ChartTitle: Snake River-Lower Granite Lake FRANKLIN D. ROOSEVELT LAKE</i>					
<b>CHART WA - SNAKE RIVER - LOWER GRANITE LAKE. Page/Side: N/A</b>					
CHANGE	Lower Granite Reservoir Light 19 Nominal range to 4M.		CGD13 at 46-25-28.140N	117-12-22.782W	
CHANGE	Lower Granite Reservoir Light 20 Nominal range to 4M.		CGD13 at 46-25-06.439N	117-11-42.546W	
CHANGE	Lower Granite Reservoir Light 24 Nominal range to 4M.		CGD13 at 46-25-40.062N	117-08-45.132W	
CHANGE	Lower Granite Reservoir Light 26 Nominal range to 4M.		CGD13 at 46-25-37.392N	117-08-10.656W	
CHANGE	Lower Granite Reservoir Light 28 Nominal range to 4M.		CGD13 at 46-25-09.840N	117-06-40.374W	
CHANGE	Lower Granite Reservoir Light 4 Nominal range to 4M.		CGD13 at 46-38-58.104N	117-23-49.086W	
CHANGE	Lower Granite Reservoir Light 5 Nominal range to 4M.		CGD13 at 46-39-07.362N	117-23-07.662W	
CHANGE	Lower Granite Reservoir Light 8		CGD13 at 46-36-04.119N	117-21-40.964W	

Nominal range to 4M.

18587      71st Ed.      01-APR-11      Last LNM: 43/19      NAD 83      16/20

ChartTitle: Coos Bay

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

RELOCATE      Coos River Entrance Light 1

CGD13  
from 43-22-30.690N      124-11-15.132W  
to 43-22-30.594N      124-11-15.144W

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**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.

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**SUMMARY OF ADVANCED APPROVED PROJECTS**

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

**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 changes are expected to occur during the winter of 2019 or spring of 2020. The remaining changes are:

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

Willow Upper Range Rear Light (LLNR 11160) 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-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River.

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-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Puget Sound.

Chart 18480      LNM: 49/19

**WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – OLYMPIA HARBOR - Disestablishment of West Olympia Shoal**

West Olympia Shoal Light 1 (LLNR 17410) was destroyed in February of 2020 and temporarily replaced with a small lighted buoy. Due to the extended period before the structure can be rebuilt, the U.S. Coast is discontinuing the light from the nautical charts and Light List, and establishing West Olympia Shoal Lighted Buoy 1 (LLNR 17411) in approximate position 47-05-31.7N 122-55-30.9W. The buoy will display a green light flashing every 4 seconds (Fl G 4s) with a nominal range of 4 NM.

Chart 18456      LNM: 16/20

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**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).

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**PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT**

<b><u>Proposed Project(s)</u></b>	<b><u>Closing</u></b>	<b><u>Docket No.</u></b>	<b><u>Ref. LNM</u></b>
<b>None</b>			

**Proposed Change Notice(s)**  
**None**

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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: 16/20

**SUMMARY OF DREDGING OPERATIONS**

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

LNM: 16/20

**SUMMARY OF MARINE EVENTS**

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

LNM: 16/20

**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 vimaspainting@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 – 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.

Chart 18532

LNM: 51/19

**WASHINGTON – PUGET SOUND – NORTHERN PART – PORT MADISON AND PORT ORCHARD – Painting of the Agate Pass Bridge**

WSDOT will be painting the Agate Pass Bridge (LLNR 17935) on a 24 hour daily schedule from 01 Jun 2019 to 01 Jun 2020 (Monday through Saturday). WSDOT will be using containment to prepare and paint sections of the bridge one section at a time. At mean high water elevation Agate Pass Bridge provides 76 feet of vertical navigation clearance. The containment system will reduce the bridge's vertical clearance by approximately 8 feet thus reducing the vertical navigation clearance to 68 feet in the vicinity of the containment systems. Bridge navigation lights will not be affected. Vessels that require the bridge's full vertical clearance, may use a section without containment, plan to navigate at low water or use Rich Passage as an alternate route. Mariners exercise caution for falling debris when transiting underneath the Agate Pass Bridge. For further information please contact the WSDOT Assistant Project Engineer Andy Larson at (360) 874-3011, or email LarsonA@wsdot.wa.gov.

Chart 18441

LNM: 20/19

**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 38/19)**

American Bridge Company will be constructing a temporary work trestle for the State Route (SR) 520 West Approach Bridge South project in southern Union Bay from 04 Nov 2019 through 29 Jan 2021. The temporary work trestle will be left in place through October 2022 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

**WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR 520 West Approach Bridge South Bridge Replacement (Revised from LNM 38/19)**

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 Dennis Suh at (504) 206-6494 or email at dsuh@americanbridge.net.

Chart 18447

LNM: 40/19

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON - Interstate 90 Highway Bridge construction (Revised from LNM 28/19)**

Kiewit-Hoffman will be performing seismic upgrades to the existing approach piers for the Interstate 90 (I-90) Highway Bridge (LLNR 18389 and 18398). The west navigation channel and east navigation channels for the I-90 Floating Bridge will have marine activities, including the moving of barges, but will stay open to mariners. Mariners are advised to use caution while transiting near barges within the Sound Transit E130 project area. These vessels are currently moored to columns and may present hazards. Construction barges located within the work zones will be marked with steady white lights on all four corners. Mariners should maintain a safe distance and minimize wake around all floating barges and other construction vessels. The eastern navigation channel will be open and will not change vertical or horizontal clearances. Two temporary mooring buoys marked with white lights flashing every 4 seconds (Fl W 4s) have been relocated near the bridge for the mooring of the barges. The positions are:

Mooring Buoy (Northwest side of I-90 Floating Bridge) 47-35-32.040N, 122-16-49.740W

Mooring Buoy (Northeast side of I-90 Floating Bridge) 47-35-31.860N, 122-15-37.680W

Mariners should not deviate from these established paths through navigations channels when open to vessel traffic. Construction and operations at this site are expected to continue through 2020. For additional information contact Evan Spading (808)-342-3561 or email Evan.spading@kiewit.com.

Chart 18447

LNM: 05/20

**WASHINGTON – EVERETT HARBOR - SNOHOMISH RIVER – Bridge inspection**

WSDOT will be inspecting the SR 529 Highway Bridge (North Bound) (LLNR 18591.3) over the Snohomish River, mile 3.7, and the SR 529 Highway Bridge (North Bound) (LLNR 18594.11) over the Steamboat Slough, mile 1.2, from 0800 to 1500 on 20 and 23 Jul 2020. The bridges will be inspected using an under-bridge inspection truck (UBIT) that occupies a portion of the roadway and extends a boom under the bridge. There is no fixed impact to navigational clearance from this operation (an approximate 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. The UBIT bucket will have a flashing orange light on the bottom and a safety lookout will be on the bridge. Bridge openings will occur as usual. For additional information, contact Mr. Alan Kuper, P.E. at (360) 701-0556 or kupera@wsdot.wa.gov.

Chart 18444

LNM: 12/20

**WASHINGTON – PUGET SOUND – ANACORTES TO SKAGIT BAY – DECEPTION PASS – Bridge notice**

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 2020. 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: 06/19

**COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage**

The USACE Portland and Walla Walla Districts have implemented the winter seasonal lockage schedule, from 21 Sep 2019 to 17 May 2020, 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: 39/19

**OREGON – WASHINGTON – Navigation Rules and Regulations Handbook changes**

Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. Included were changes to:

- Vessel Bridge-to-Bridge Radio Telephone Regulations (33 CFR § 26)
- COLREGS Demarcation Lines (33 CFR § 80)
- 72 COLREGS Implementing Rules (33 CFR § 81)
- Inland Navigation Rules (33 CFR § 83)
- Inland Navigation Rules – Implementing Rules (33 CFR § 89)
- Vessel Traffic Management (33 CFR § 161)

All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook. These changes are outlined as originally

**OREGON – WASHINGTON – Navigation Rules and Regulations Handbook changes**

published in Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 and were included as Enclosure (4) to LNM 13/20.

LNM: 10/20

**OREGON – SIUSLAW RIVER – Shoaling at entrance to Siuslaw River**

The Coast Guard has observed significant shoaling at the entrance to Siuslaw River. Mariners are urged to exercise caution when transiting the bar, especially at low tide. Approximately 200 yards west of the jetty tips is an area of significant shoaling with depths as shallow as 8 feet. This shoal area is causing the bar to break in lighter weather conditions than is normal. Local mariners can contact Coast Guard Station Siuslaw River for more information.

Chart 18583

LNM: 45/19

**COLUMBIA RIVER – CRIMS ISLAND TO ST HELENS – NOAA research buoy temporary deployment**

NOAA is deploying a science research buoy with current meter in the Columbia River in the vicinity of Stella Range from 18 May to 11 Sep 2020. The buoy will be deployed in location 46-10-28.500N, 123-06-22.800W, which is at RM 57.5, on the Oregon side of the river, abeam of Crims Island Dike Light 6 (LLNR 10685), approximately 250 yards outside of the navigational channel. The buoy is yellow in color, cylindrical in shape, and will be lit with a yellow light flashing with 5 1-second flashes every 20 seconds (Fl Y (5) 20s). For more information, contact NOAA's Drew Maczko at (206) 526-6918 or email Drew.Maczko@noaa.gov.

Chart 18524

LNM: 11/20

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

From 22 Apr through 28 May 2020, the Washington Department of Fish and Wildlife (WDFW) Marine Fish Science (MFS) Unit will conduct their annual bottom trawl survey to assess marine fish living in the waters of Puget Sound, including the Strait of Juan de Fuca, Strait of Georgia, San Juan Archipelago, Hood Canal, Central Sound, and South Sound regions. The F/V Chasina, a 57-foot seiner/trawler (call sign WYQ-6987), will conduct the operations for WDFW and will carry WDFW RESEARCH placards posted on both sides of the upper deck. The MFS Unit has conducted this trawl survey annually since 1987 and sampled a series of fixed index stations since 2008. For more information on WDFW's MFS unit and the bottomfish programs, visit <https://wdfw.wa.gov/species-habitats/species/bottomfish> or contact Jennifer Blaine at (425) 379-2313 (office) or (425) 231-9476 (cell) or email at Jennifer.Blaine@dfw.wa.gov.

Charts: 18400 18421 18440 18441 18448 18460

LNM: 08/20

**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 – 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](mailto:wsfcomms@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 – LAKE WASHINGTON SHIP CANAL – PORTAGE BAY REACH – Marine construction**

Redside Construction will be conducting a marine construction project from 01 Mar to 15 May 2020, on the north side of the Portage Bay Reach, 225 yards east of the University Street Bridge (LLNR 18235) in approximate position 47-39-08.294N, 122-19-03.061W. The project will include demolition, pile driving and walkway construction. The spud barge Whitehorse will be moored so that 30 feet of the barge will extend past the current pierhead line and will display white lights on all four corners unless underway. Mariners are urged to transit at their slowest safe speed to minimize wake and proceed with caution. For questions or concerns, please contact the project superintendent David Berry at (206) 940-2529 or Sam Berry at (206) 940-0564.

Chart 18447

LNM: 08/20

**WASHINGTON – LAKE WASHINGTON – Deployed wind-wave research lighted buoy**

Seattle University and Sound Transit will be conducting research in the vicinity of the Interstate 90 Highway Bridge (west channel) (LLNR 18389) starting on 01 Sep 2019 through 01 May 2020, 24 hours a day. Sound Transit will deploy a black and yellow wave buoy that will be marked by a flashing white 2.5 seconds light, to measure wave heights. The buoy will be anchored 100 yards north of the center of the bridge in position 47-35-28.842N, 122-16-50.822W, which is within the I-90 Floating Bridge boater exclusion zone. Sound Transit requests all mariners keep 50 yards from the buoy to minimize wake as well as protect the buoy and the data it collects. For more information, contact Jason Snodderly of Sound Transit at (206) 370-5592 or email [Jason.Snodderly@soundtransit.org](mailto:Jason.Snodderly@soundtransit.org).

Chart 18447

LNM: 34/19

**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 28 Feb 2020 and ending 24 Apr 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 marine VHF-FM Channel 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 18458

LNM: 08/20

**WASHINGTON – PUGET SOUND – HOOD CANAL – Safety zone enforcement for training exercises**

The Coast Guard will enforce the safety zones around vessels involved in Coast Guard training exercises in Hood Canal, WA set forth in 33 CFR 165.1339, from 0800 on 11 May 2020 through 1700 on 15 May 2020. Under the provisions of 33 CFR 165.1339, no person or vessel may enter or remain within 500 yards of any vessel involved in Coast Guard training exercises while such vessel is transiting Hood Canal, Washington, between Foul Weather Bluff and the entrance to Dabob Bay, unless authorized by the Captain of the Port or her Designated Representative. All vessel operators seeking to enter any of the zones during the enforcement period must obtain permission by contacting the on-scene patrol commander on VHF-FM channel 13 or 16, or the Sector Puget Sound Joint Harbor Operations Center at (206) 217-6001. Mariners will be able to identify participating vessels as those flying the Coast Guard Ensign. The Captain of the Port may also be assisted in the enforcement of the zone by other federal, state, or local agencies. The Captain of the Port will issue a general permission to enter the safety zones if the training exercise is completed before 1700 on 15 May 2020.

Charts: 18441 18458 18476 18477

LNM: 12/20

**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-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

**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

**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
8800	COOS BAY CHANNEL LIGHT 7	43-21-29.904N 124-19-18.348W	FI G 6s	16	4	SG on multi-pile structure.	16/20
9101	COOS RIVER ENTRANCE LIGHT 1	43-22-30.594N 124-11-15.144W	FI G 4s	14	4	SG on pile. *	16/20
9505	SIUSLAW RIVER CHANNEL LIGHT 12	44-00-06.538N 124-07-28.432W	FI R 2.5s	15	4	TR on pile.	16/20
13000	LAKE WALLULA LIGHT 34	46-08-52.765N 118-58-40.640W	FI R 4s	23	4	TR on dolphin. *	16/20

## SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13725	LITTLE GOOSE RESERVOIR LIGHT 7	46-35-34.002N 117-53-23.964W	Fl G 4s	10	4	SG on platform.	16/20
13940	LOWER GRANITE RESERVOIR LIGHT 4	* 46-38-58.104N 117-23-49.086W	Fl R 4s	33	4	TR on platform, on pole.	16/20
13945	LOWER GRANITE RESERVOIR LIGHT 5	46-39-07.362N 117-23-07.662W	Fl G 2.5s	19	4	SG on pole.	16/20
13955	LOWER GRANITE RESERVOIR LIGHT 8	46-36-04.119N 117-21-40.964W	Fl R 4s	43	4	TR on tower.	16/20
14010	LOWER GRANITE RESERVOIR LIGHT 19	46-25-28.140N 117-12-22.782W	Fl G 2.5s	16	4	SG on platform.	16/20
14015	LOWER GRANITE RESERVOIR LIGHT 20	46-25-06.439N 117-11-42.546W	Fl R 2.5s	36	4	TR on platform.	16/20
14020	LOWER GRANITE RESERVOIR LIGHT 24	46-25-40.062N 117-08-45.132W	Fl R 4s	15	4	TR on pole.	16/20
14030	LOWER GRANITE RESERVOIR LIGHT 26	46-25-37.392N 117-08-10.656W	Fl R 2.5s	16	4	TR on pole.	16/20
14035	LOWER GRANITE RESERVOIR LIGHT 28	46-25-09.840N 117-06-40.374W	Fl R 4s	15	4	TR on pole.	16/20
15660	<i>Grays Harbor South Reach Lighted Junction Buoy SC</i>	46-55-18.775N 124-02-49.247W	Fl (2+1)R 6s		4	Red and green bands.	16/20
15805	GRAYS HARBOR NORTH CHANNEL LIGHT 46	46-58-01.578N 123-52-20.843W	Fl R 4s	15	3	TR on multi-pile structure.	16/20
		*					

## SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18035	ORCHARD POINT LIGHT	47-33-54.660N 122-31-55.680W	Fl W 6s	34	7	On white concrete tower.	HORN: 1 blast ev 30s (3s bl). HORN is activated by keying the mic 5 times on VHF-FM Channel 81A (157.075MHz). HORN will operate for 30 minutes. 16/20
19750	PEARL ISLAND LIGHT 1	48-36-58.206N 123-10-12.528W	Fl G 4s	15	4	SG on tower.	16/20

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**ENCLOSURES**


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**Enclosure 1**

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

LNM: 16/20

**Enclosure 2**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 16/20

**Enclosure 3**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 16/20

**Enclosure 4**

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Interstate 5 Highway Bridge notice

LNM: 14/20

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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>						
	8990	Coos Bay Railroad Bridge	North Bend, OR	Main Lights extinguished, Temp Red lights installed	4/30/2018	0369-18
	9558	Florence Highway 101 Bridge	Florence, OR	Clearance Gauge missing	6/25/2019	None
	9627	Yaquina Bay Highway 101 Bridge	Newport, OR	Clearance Gauge missing	6/17/2019	0433-19
<b>COLUMBIA RIVER</b>						
	12752	I-82 Highway Bridge (SB)	Umatilla, OR	Center span green light extinguished	2/18/2020	0168-20
	12753	I-82 Highway Bridge (NB)	Umatilla, OR	Center span green light extinguished	4/16/2020	0283-20
<b>SNAKE RIVER</b>						
	13617	Sargent Railroad Bridge	Pataha, WA	Red, westbound, pier light extinguished	11/20/2019	0920-19
	13757	Central Ferry Highway Bridge	Pomeray, WA	Multiple lights extinguished	1/23/2020	0082-20
	14070	Camas Prairie RR Bridge	Lewiston, ID	Multiple lights extinguished	9/16/2019	0705-19
	14072	Clearwater Memorial Highway Bridge	Lewiston, ID	Downbound sidelights extinguished	12/6/2019	0961-19
<b>WILLAMETTE RIVER</b>						
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Multiple lights extinguished	10/17/2019	0802-19
<b>WASHINGTON COAST</b>						
	None					
<b>PUGET SOUND</b>						
	None					
<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:**

<b>Start Date</b>	<b>End Date</b>	<b>Times</b>	<b>Location</b>	<b>Dredge Vessel</b>	<b>Assist Vessel</b>	<b>Channels Monitored</b>	<b>Disposal Area</b>	<b>LNM</b>
27-Apr-20	28-Apr-20	24 Hrs/7 Days	Columbia River; Miller Sands (RM 22+23 to 22+40)	M/V ESSAYONS	None	VHF-FM 13 &16	W-18.1-IW	16/20
26-Apr-20	27-Apr-20	24 Hrs/7 Days	Columbia River; Pillar Rock (RM 25+10 to 25+30)	M/V ESSAYONS	None	VHF-FM 13 &16	W-24.0-IW	16/20
26-Apr-20	26-Apr-20	24 Hrs/7 Days	Columbia River; Brookfield Welch (RM 33+14 to 33+20)	M/V ESSAYONS	None	VHF-FM 13 &16	W-31.4-IW	16/20
24-Apr-20	26-Apr-20	24 Hrs/7 Days	Columbia River; Skamokawa (RM 33+25 to 36+05)	M/V ESSAYONS	None	VHF-FM 13 &16	W-32.0-IW & W-31.7-IW	16/20
24-Apr-20	24-Apr-20	24 Hrs/7 Days	Columbia River; Puget Island (RM 38+10 to 38+50)	M/V ESSAYONS	None	VHF-FM 13 &16	W-36.8-IW	16/20
23-Apr-20	23-Apr-20	24 Hrs/7 Days	Columbia River; Eureka Bar (RM 48+17 to 48+35)	M/V ESSAYONS	None	VHF-FM 13 &16	O-40.1-IW	16/20
23-Apr-20	23-Apr-20	24 Hrs/7 Days	Columbia River; Eureka Bar (RM 51+25 to 51+50)	M/V ESSAYONS	None	VHF-FM 13 &16	W-53.8-IW	16/20
22-Apr-20	23-Apr-20	24 Hrs/7 Days	Columbia River; Walker (RM 60+05 to 61+10)	M/V ESSAYONS	None	VHF-FM 13 &16	W-54.7-IW	16/20
28-Apr-20	21-May-20	24 Hrs/7 Days	Grays Harbor; Bar, Entrance Channel & Pt. Chehalis	M/V ESSAYONS	None	VHF-FM 13 &16	South Beach; Pt Chehalis	16/20

**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 Noted	

## SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
		None Noted	

# NOTICE TO MARINERS



April 2020

The northbound span of the Interstate Bridge over the Columbia River (River Mile 106.5) requires repairs to prevent failure of the 272-foot high lift span that allows marine traffic through the main river navigation channel.

In September of 2020, ODOT will replace bridge components including the two sheave/trunnion/bearing (pulley) assemblies and counterweight cables in the top of the tower at the south end of the bridge lift span.

Routine inspection revealed a half inch deep crack in the trunnion. The bridge is currently safe, but the crack has grown from 4.0 inches long to 6.5 inches long in 2 years and analysis indicates that it could reach critical depth causing catastrophic failure by 2045.

## INTERSTATE BRIDGE CLOSURE

The northbound span of the Interstate Bridge will close to vehicle traffic from September 12–September 20, 2020 and will affect river navigation by interrupting the operation of the lift span.

## LIFT SPAN

The lift span cannot be raised while the trunnions and other associated bridge components are replaced.

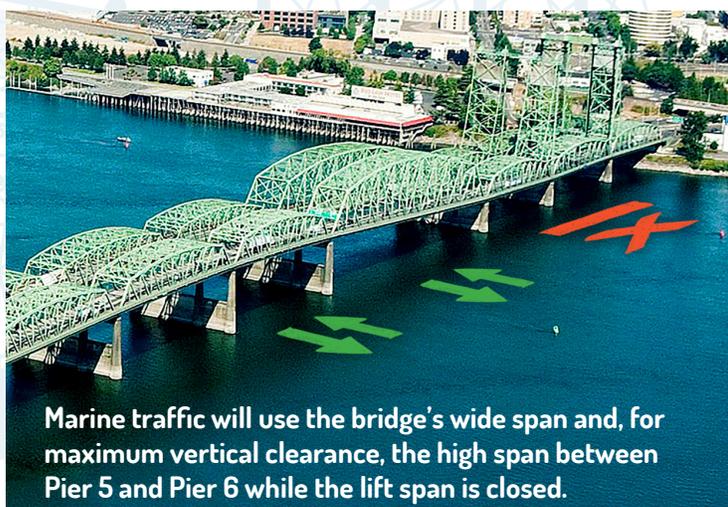
During this closure, marine traffic will use the bridge's wide span and, for maximum vertical clearance, the high span between Pier 5 and Pier 6 (3 white lights over 1 green light) with 72 feet of clearance to the zero water level mark.

## ANTICIPATED SCHEDULE

The navigable channel under the lift span, between Pier 2 and Pier 3, will close to marine traffic from:

12:01 a.m. on September 10, 2020 (closure starts) through 11:59 p.m. on September 22, 2020 (closure ends).

*During the remainder of the project, the lift span will operate normally.*



Marine traffic will use the bridge's wide span and, for maximum vertical clearance, the high span between Pier 5 and Pier 6 while the lift span is closed.



Interstate Bridge with lift span lowered.

## MORE INFORMATION

Outreach will continue as the project progresses.

For additional information or questions, contact:

**Ellen Sweeney**  
**ODOT Community Affairs**  
 503-731-8230  
 Ellen.Sweeney@odot.state.or.us

Visit [www.InterstateBridge.org](http://www.InterstateBridge.org) for more project information and to sign up to for electronic updates.

