



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 05/20

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

COMDTPUB P16502.6, Light List Volume VI, 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

Coast Pilots, along with corrections, are available at: www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html. Print on Demand (POD) copies are available for purchase at: www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot.

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The NIS also disseminates Safety Broadcasts / Broadcast Notice to Mariners (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website:

<https://www.navcen.uscg.gov/-pageName=GPS>.

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

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 D13-0108-20	Ending BNM D13-0137-20
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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
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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

OREGON – COQUILLE RIVER – Aids to Navigation Open House

The Coast Guard is hosting a public information open house to discuss the planned change to the sound signal on Coquille River South Jetty Light 8 (LLNR 8700) from a continuously sounding fog signal to a Marine Radio Activated Sound Signal (MRASS). The open house is scheduled for Thursday, 20 Feb 2020 from 1500-1800 at The Barn Conference and Community Center located at 1200 11th St. SW, Bandon, OR, 97411. For additional information please contact LT Chad Coppin at (206) 220-7283 or email D13-LNM@uscg.mil.

Chart 18588

LNM: 05/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – BNSF Vancouver Railroad Bridge deviation

The Coast Guard has approved a temporary deviation from the operating schedule that governs the Burlington Northern Santa Fe (BNSF) Vancouver Railroad Bridge (LLNR 11250) across the Columbia River, RM 105.6, at Vancouver, WA. This deviation is necessary to accommodate bridge equipment replacement. The deviation allows the swing span of the BNSF Vancouver Railroad Bridge to remain in the closed position, from 0700 until 1700 daily during a 14-day project from 8 Mar to 20 Mar 2020. The subject bridge may be opened for emergencies if a one-hour notice is given. Vessels that do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge shall operate in accordance to 33 CFR §117.5 at all other times. For more information, contact Jeff Swanson at (425) 304-6663.

Chart 18525

LNM: 05/20

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Steel Railroad Highway Bridge Notice

The Coast Guard has received a temporary deviation request for the operating schedule that governs the Steel Railroad-Highway Bridge (LLNR 14955.3) across the Willamette River, mile 12.1, at Portland, OR. The deviation request is to accommodate a roadway running event. If approved, the bridge's lower deck will remain in the closed-to-navigation position. To facilitate this event, the lower deck will be maintained in the closed-to-navigation position, and the subject bridge need not open the lower draw to marine traffic from 1015 to 1115 on 15 Mar 2020. When the lower deck is in the closed-to-navigation position, the bridge provides 26 feet of vertical clearance above Columbia River Datum 0.0. The Steel Bridge will be able to open the lower deck for emergencies, and there is no immediate alternate route for vessels to pass. Vessels able to pass under the subject bridge in the closed-to-navigation position may do so at anytime. If any mariner has objections to this deviation request, please reply by 15 Feb 2020 to d13-pf-d13bridges@uscg.mil. For more information, contact Keith Wagner at kwagner@up.com.

Chart 18526

LNM: 05/20

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Steel Railroad-Highway Bridge Notice

The Coast Guard has received a temporary deviation request for the operating schedule that governs the Steel Railroad-Highway Bridge (LLNR 14955.3) across the Willamette River, mile 12.1, at Portland, OR. The deviation request is to accommodate a roadway running event. If approved, the bridge's upper deck will remain in the closed-to-navigation position. To facilitate this event, the upper deck will be maintained in the closed-to-navigation position, and the subject bridge need not open the upper draw to marine traffic from 0800 to 1030 on 05 Apr 2020. When the lower lift is in the closed-to-navigation position, the bridge provides 26 feet of vertical clearance above Columbia River Datum 0.0; and in the open-to-navigation position with the upper lift in the closed-to-navigation position, the vertical clearance is 71 feet above Columbia River Datum 0.0. The Steel Bridge will be able to open the lower deck for emergencies, and there is no immediate alternate route for vessels to pass. Vessels able to pass under the subject bridge with the lower deck in the open-to-navigation position may do so at anytime. If any mariner has objections to this deviation request, please reply by 15 Feb 2020 to d13-pf-d13bridges@uscg.mil. For more information, contact Keith Wagner at kwagner@up.com.

Chart 18526

LNM: 05/20

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Bridge notice

The Coast Guard has received a temporary deviation request to the operating schedule that governs the Broadway Highway Bridge (LLNR 14955.2), mile 11.7, Morrison Highway Bridge (LLNR 14955.5), mile 12.8, and Hawthorne Highway Bridge (LLNR 14955.6), mile 13.1, crossing the Willamette River at Portland, OR. This deviation is necessary to accommodate roadway run event. This deviation allows the bridges to remain in the closed-to-navigation position to allow safe and timely movement of event participants from 0730 until 1030 on 05 Apr 2020. The vertical

clearances for these bridges in the closed-to-navigation position are: Broadway Bridge provides 69 feet, Morrison Bridge provides 69 feet and Hawthorne Bridge provides 49 feet; all clearances are referenced to the vertical clearance above Columbia River Datum 0.0. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridges will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. Please submit objections to d13-pf-d13bridges@uscg.mil by 15 Feb 2020. For additional information contact Jon Henrichsen at jon.p.henrichsen@multco.us.

Chart 18526

LNM: 05/20

WASHINGTON - PUGET SOUND – SEATTLE HARBOR – DUWAMISH WATERWAY – Bridge deviation (Revised from LNM 03/20)

The Coast Guard intends to change an approved deviation from the operating schedule that governs the 1st Avenue South Highway Bridge (LLNR 16887) across the Duwamish Waterway, mile 2.5, in Seattle, WA. Containment will be installed under half of the 1st Avenue South Highway Bridge, and reduce the vertical clearance by ten feet from 39 feet center to 29 feet center, and from 22 feet to 12 feet on the sides. The deviation is necessary to accommodate WSDOT's bridge equipment replacement. The span closure dates and times are:

2100 on 07 Feb 2020 to 0800 on 15 Feb 2020;

2100 on 15 Feb 2020 to 0800 on 16 Feb 2020;

2100 on 21 Feb 2020 to 0500 on 24 Feb 2020;

2100 on 13 Mar 2020 to 0500 on 16 Mar 2020;

And the following dates are backup closures if needed:

2100 on 20 Mar 2020 to 0500 on 23 Mar 2020;

2100 on 27 Mar 2020 to 0500 on 30 Mar 2020.

The 1st Avenue South Bridge shall fully open on signal when at least 72 hours' notice has been given by mariners from 2100 on 07 Feb 2020, to 2359 on 14 Feb 2020. During the remainder of the approved closure times, the subject bridge shall open fully on signal when at least 72 hours' notice has been given by Delta Marine. Additionally, the subject bridge need not open 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 these closures, the draw of the 1st Avenue South Bridge will not be able to open to marine vessels engaged in emergency operations. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information, contact Justin Sieg at (425) 961-2769.

Chart 18450

LNM: 05/20

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 (FI 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 – PUGET SOUND – POSSESSION SOUND / SARATOGA PASSAGE– Adrift mooring ball

A large steel mooring ball was last seen near the breakwater at Hat Island Marina, on Gedney Island. The mooring ball is believed to be drifting north towards Camano Head and may enter the waters of Saratoga Passage or Port Susan. Mariners are urged to maintain a sharp lookout and report any sightings to the Coast Guard.

Charts: 18441 18443

LNM: 05/20

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

The Coast Guard has approved a temporary bridge deviation from the operating schedule that governs the SR 529 Highway Bridges across the Snohomish River and Steamboat Slough, to support the Everett Half Marathon event on 29 Mar 2020 from 0700 to 1100. During this period, the swing spans of the SR 529 Highway Bridge (NB) (LLNR 18591.3) and the SR 529 Highway Bridge (SB) (LLNR 18591.2) across the Snohomish River, mile 3.6, at Everett, WA, and the lift spans of SR 529 Highway Bridge (NB) (LLNR 18594.11) and the SR 529 Highway Bridge (SB) (LLNR 18594.9) across Steamboat Slough, mile 1.1, at Marysville, WA, is authorized to remain in the closed-to-navigation positions. The subject bridge may be opened for emergencies if a one-hour notice is given. Vessels that do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge shall operate in accordance to 33 CFR §117 at all other times. For more information, contact Colleen Arnold at (425) 739-3700.

Chart 18443

LNM: 05/20

OREGON – WASHINGTON - US Coast Pilot 7 and US Coast Pilot 10 new editions

US Coast Pilot 7 will be divided into two editions in 2020 due to its large size. The following are the projected editions and print dates:

US Coast Pilot 7, Pacific Coast: California 52nd Edition, 2020, will be issued and ready for free download and weekly updates on May 5, 2020

US Coast Pilot 10, Pacific Coast: Oregon, Washington, Hawaii and Pacific Islands 1st Edition, 2020, will be issued and ready for free download and weekly updates on June 9, 2020. Both these editions will continue to be available at www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html. For any questions or comments; visit www.nauticalcharts.noaa.gov/customer-service/assist/

LNM: 04/20

OREGON – UMPQUA RIVER – Submerged wreck

During a recent USACE hydrographic survey of the Umpqua River, an uncharted submerged vessel was found in the Umpqua River channel, at approximately river mile 7.5. The wreck is on the northern edge of the channel in approximate position 43-44-58.500N, 124-08-06.500W. Mariners should use caution in that stretch of the waterway.

Chart 18584

LNM: 04/20

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – LAKE RIVER – River S Bridge replacement project (Revised from LNM 36/19)

The U.S. Federal Highways Administration is conducting a bridge replacement project for the River S Bridge which crosses the Lake River between Ridgefield, Washington, and the Ridgefield National Wildlife Refuge. Until approximately 31 Mar 2020, in-water shaft and girder construction will block the navigation channel. Mariners are requested to provide 48 hours advance notice before transiting through the project area to allow for equipment removal and to coordinate safe passage. For additional information or to make arrangements, mariners should contact Mick Cannon (253) 377-1041, Ed Hansen (253) 377-1437, or Jake Brockmoller (253) 888-2514.

Chart 18525

LNM: 04/20

WASHINGTON – IDAHO – GPS testing

US Strategic Command has proposed GPS testing encompassing eastern Washington and western Idaho. The center point of the test will be near Spokane, WA, at position 47-36-46.800N, 117-39-11.000W with a radius of 88 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequency will be GPS L1. Testing dates and times are as listed below, using Pacific Standard Time as local time:

03 May 2100 – 2359;

10 May 2100 – 2359;

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

Charts: 18545 18546 18547 18548 18551 18553

LNM: 04/20

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

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

WSDOT will be inspecting the Lewis and Clark Highway Bridge (LLNR 10812.5) at Columbia River mile 66.0 between Rainier, OR, to Longview, WA. The inspection will take place between 0900 and 1500 daily from 24 Feb 2020 to 28 Feb 2020. The bridge will be inspected using an under bridge inspection truck (UBIT) that may extend booms under the bridge. Most marine traffic will not be impacted, however, the vertical clearance will be reduced up to 10 feet. Mariners are advised to use caution while transiting the area, and be aware of fall hazards. UBIT buckets will have flashing amber lights. UBIT operators will watch for and give way to tall marine vessels. For more information on the bridge inspections, contact Jim Patton at (360) 628-4439 or pattonj@wsdot.wa.gov.

Chart 18524

LNM: 03/20

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden large lock closure

The large lock chamber of the Hiram M. Chittenden Locks in Ballard will close at 0530 on 12 Feb 2020 until approximately 05 Apr 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. This is the second of five extended closures for the large lock over the next two years to replace the Stoney Gate Valves, which are original equipment that must be replaced to keep the 101-year-old Chittenden Locks safe and operational for years to come. The Seattle District website has a Locks Closure page that includes emergency, scheduled and projected outages. It is still under construction, but does have information about the Stoney Gate Valve project scheduled closures populated on it and will continue to be updated. You can reach the page at the following link; <https://go.usa.gov/xVtwc>

If you have any questions or need information please email (preferred) or call: the Stoney Gate Valve Project Manager Peter Gibson at peter.d.gibson@usace.army.mil or (206) 764-3785 or the Operations Project Manager Jon Hofstra at jonathan.c.hofstra@usace.army.mil or (206) 297-9737

OREGON - WASHINGTON – IDAHO – 2020 Light List now available

2020 Light Lists are available on the USCG Navigation Center's website at: <http://www.navcen.uscg.gov/?pageName=lightLists>. Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. The last government printed Light Lists were the 2014 editions. While the Light Lists will no longer be available in government printed form, commercial reproductions may be available for purchase from maritime service providers. Local Notice to Mariners will continue to advise Light List corrections and NAVCEN will continue to publish a compilation of corrections. Complete versions of the 2020 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: <http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>. A summary of weekly 2020 Light List corrections are available at: <https://www.navcen.uscg.gov/?pageName=lightListCorrections>.

LNM: 02/20

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – LONGVIEW – Marine construction

Advanced American Construction (AAC) will be conducting marine construction at the confluence of the Columbia and Cowlitz Rivers, near RM 67-68, from on or about 13 Jan to 31 Mar 2020. AAC's Derrick Barge "DB 4000", tug "Ruth", and additional work barges will be onsite and conducting operations including dock demolition, pile driving, and dock construction. AAC will be monitoring VHF-FM channel 16 during the working hours of 0700 through 1700, Monday through Friday. The floating equipment will remain on-station during non-working hours and will be illuminated at night by steady white lights on all corners. Mariners are asked to transit through the area with extreme caution and minimize wake. For additional questions, contact Mike Schoeff at (503) 502-9815 or mschoeff@advanced-american.com.

Chart 18524

LNM: 01/20

WASHINGTON – GRAYS HARBOR – ABERDEEN – Bridge notice

WSDOT will be inspecting the Chehalis River Bridge (LLNR 15897) that spans the Chehalis River near Aberdeen, WA. The inspection will take place between 0800 and 1500 on 09-12 Mar 2020. The bridge will be inspected using an under-bridge inspection truck (UBIT) that occupies a portion of the roadway and extends a boom under the bridge. There will be a ten (10) foot reduction of vertical clearance while the UBIT is under the bridge, however UBIT will promptly give way to any marine vessel requiring room and bridge openings will occur as usual. Mariners are advised to use caution while transiting the area. UBIT bucket will have a flashing orange light on the bottom and a safety lookout will be on the bridge. For additional information, contact Alan Kuper at (360) 701-0556 or kupera@wsdot.wa.gov

Chart 18502

LNM: 01/20

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

The Coast Guard has approved a temporary deviation from the operating schedule that governs the 1st Avenue South Highway Bridge (LLNR 16887) across the Duwamish Waterway, mile 2.5, in Seattle. Containment will be installed under half of the 1st Avenue South Highway Bridge, and reduce the vertical clearance by ten feet from 39 feet center to 29 feet center, and from 22 feet on the sides to 12 feet on the sides. The deviation is necessary to accommodate WSDOT's bridge equipment replacement. The span closure dates and times are:

2100 on 07 Feb 2020 to 0800 on 08 Feb 2020;
 2100 on 08 Feb 2020 to 0800 on 09 Feb 2020;
 2100 on 14 Feb 2020 to 0800 on 15 Feb 2020;
 2100 on 15 Feb 2020 to 0800 on 16 Feb 2020;
 2100 on 21 Feb 2020 to 0500 on 24 Feb 2020;
 2100 on 13 Mar 2020 to 0500 on 16 Mar 2020;
 2100 on 20 Mar 2020 to 0500 on 23 Mar 2020 (back up closure);
 2100 on 27 Mar 2020 to 0500 on 30 Mar 2020 (back up closure).

During these closures, the draw of the 1st Avenue Bridge will not be able to open to marine vessels engaged in emergency operations. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information, contact Justin Sieg at (425) 961-2769.

Chart 18450

LNM: 01/20

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

The Coast Guard has approved a temporary deviation from the operating schedule that governs the University Street Bridge (LLNR 18235), across the Lake Washington Ship Canal in Seattle at mile 4.3. The University Bridge will only be able to operate in single leaf mode (half of the span) from 0700 to 1500 daily from 12 Feb to 05 Apr 2020. After 1500 each day, the bridge will return to full operation. A service barge will be moored under the subject bridge to operate a lift boom, and will be lighted per Coast Guard regulations. The service barge will occupy 45 feet of the Ship Canal. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The University Street Bridge will only be able to open half of the span for vessels engaged in emergency response operations during this closure period. For more information, contact Matt Donahue at (206) 684-5301.

Chart 18447

LNM: 01/20

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	
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	
9790	Depoe Bay Sound Signal	SS INOP	18561	0107-20	04/20	
9846	Garibaldi Channel Light 11	STRUCT DEST	18558	0849-18	40/18	
10105	Astoria Lower Range Front Light	LT EXT	18521	0072-20	03/20	
10490	Westport Range Front Light	REDUCED INT	18523	0119-20	05/20	
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	
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	
14565	Skipanon Waterway Range Rear Light	LT EXT	18521	0124-20	05/20	
15040	Oswego Rock Daybeacon	STRUCT DEST	18528	0394-17	20/17	
15210	Willapa Bay Entrance Light 13	STRUCT DEST	18504	0839-16	38/16	
15565	Grays Harbor Entrance Lighted Bell Buoy 5	LT EXT	18502	0100-20	04/20	
15571	Grays Harbor Entrance Lighted Whistle Buoy 8	LT EXT	18502	1022-19	53/19	
15791	Grays Harbor North Channel Light 41	LT EXT	18502	0103-20	04/20	
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	
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	RAC INOP	18471	0052-20	02/20	
16975	Puget Sound Traffic Separation Lane Lighted Buoy TA	LT EXT	18474	0089-20	04/20	
17410	West Olympia Shoal Light 1	DAYMK MISSING	18456	0113-20	05/20	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9250	Umpqua River Regulated Navigation Area Warning Sign	RELIGHTED	18584	None	05/20	05/20
10825	Cottonwood Island Lower Range Rear Light	RELIGHTED	18524	None	05/20	05/20
11025	Columbia City Light 76	RELIGHTED	18524	None	05/20	05/20
11495	Lady Island Range Rear Light	RELIGHTED	18531	0114-20	04/20	05/20
11695	Multnomah Falls Dike Light 84	RELIGHTED	18531	0115-20	04/20	05/20
14720	Cathlamet Bay South Channel Light 2	RELIGHTED	18521	0110-20	01/20	05/20
15700	Grays Harbor North Channel Lighted Bell Buoy 26	RELIGHTED	18502	0135-20	04/20	05/20

15760	Grays Harbor North Channel Lighted Buoy 34	RELIGHTED	18502	0136-20	04/20	05/20
15795	Grays Harbor North Channel Lighted Buoy 44	RELIGHTED	18502	0134-20	02/20	05/20
16170	Neah Bay Entrance Lighted Bell Buoy 1	RELIGHTED	18484	0133-20	04/20	05/20
19158	Swinomish Channel North Entrance Buoy 34	RESET ON STATION	18427	0111-20	04/20	05/20
19160	Swinomish Channel North Entrance Buoy 35	RESET ON STATION	18427	0112-20	04/20	05/20

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	
16840	Smith Cove Lighted Buoy 1	OFF STA	18450	0075-20	03/20	
18412	Kamilche Sea Farms Lighted Buoy A	MISSING	18448	1024-19	53/19	
18545	Anthony's Lighthouse	LT EXT	18444	0125-20	05/20	
18750	Crescent Harbor Navy Pier Breakwater Light	LT EXT	18428	0051-20	02/20	
19230	Georgia Pacific Outfall Lighted Buoy	OFF STA	18424	0020-20	02/20	
19272	Bellingham Harbor Shoal Buoy A	OFF STA	18424	0018-20	02/20	
19273	Bellingham Harbor Shoal Buoy B	OFF STA	18424	0019-20	02/20	
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
16925	Blake Island Light 1	RELIGHTED	18449	0126-20	49/19	05/20
19440	Shoal Bay Aquaculture Lighted Buoy	RELIGHTED	18430	0127-20	51/19	05/20

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	
14435	Baker Bay West Channel Daybeacon 7	TRUB	18521	0755-17	35/17	
15040	Oswego Rock Daybeacon	TRUB	18528	0404-17	20/17	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM 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
	Green can					
Corrective Action	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.

18446	18th Ed.	01-MAR-11	Last LNM: 48/17	NAD 83		05/20
<i>Chart Title: Puget Sound-Apple Cove Point to Keyport;Agate Passage</i>						
Main Panel 1707 PUGET SOUND APPLE COVE POINT TO KEYPORT. Page/Side: N/A						
ADD	Sunken wreck (symbol K:29)				CGD13 47-43-12.000N	122-38-13.284W
18473	9th Ed.	01-APR-16	Last LNM: 48/17	NAD 83		05/20
<i>Chart Title: Puget Sound-Oak Bay to Shilshole Bay</i>						
Main Panel 1937 OAK BAY TO SHILSHOLE BAY PUGET SOUND. Page/Side: A						
ADD	Sunken wreck (symbol K:29)				CGD13 47-43-12.000N	122-38-13.284W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

Advance Notice(s)

OREGON – COQUILLE RIVER – Conversion of the continuous sound signal to a Marine Radio Activated Sound Signal (Revised from LNM 16/19)

The U.S. Coast Guard is planning to change the sound signal on Coquille River South Jetty Light 8 (LLNR 8700) from a continuously sounding fog signal to a Marine Radio Activated Sound Signal (MRASS). The date for the completion of this change has been delayed for the allowance of additional public comment. The fog signal will be activated by the maritime users as needed by keying a VHF-FM microphone five (5) times on the assigned frequency of VHF-FM channel 83A (157.175 MHz). The Sound Signal will activate for approximately one half hour (30 minutes) and then cease. A Broadcast Notice to Mariners will be issued upon the completion of the change, and it will be published in Local Notice to Mariners. 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 North Bend.

Charts: 18580 18588

LNM: 19/19

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

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)

None

Closing

Docket No.

Ref. LNM

Proposed Change Notice(s)

None

SECTION VII - GENERAL

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

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS

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

LNM: 05/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 05/20

SUMMARY OF MARINE EVENTS

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

LNM: 05/20

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

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

LNM: 10/19

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

Mill Plain Electric and Advanced American Construction will begin a project for WSDOT to upgrade the navigation and aviation lighting on the Lewis and Clark Highway Bridge (LLNR 10812.5) across the Columbia River and RM 66. Tentatively, the work will begin on 09 Dec 2019 and continue through Mar 2020. There will be no impact to clearances in the main shipping channel, but there may be vertical clearance reductions, as well as an AAC barge positioned outside of the channel at various times near bridge piers 2, 3 and 4. For more information on the electric project, contact Scott Kangas at (360) 607-7357, and for the in-water work contact AAC at (503) 445-9000.

Chart 18524

LNM: 46/19

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

COLUMBIA RIVER - PASCO TO RICHLAND - LAKE WALLULA - US-395 (Blue) Bridge notice

WSDOT will be abrasive blast cleaning and painting the US-395 (Blue) Bridge (LLNR 13057) at Columbia River mile 330 from 07 Jul 2019 to 23 Mar 2020. The working hours will be Mon-Sat from 0700 to 1700. Scaffolding and containment will be installed reducing the vertical clearance from 61 feet to 58 feet. A working barge will be moored under the area of work, and lighted per the Coast Guard Navigation Rules of the Road. Mariners may transit under the bridge at any time, but should be aware of fall hazards. For more info, contact Adam Cady, at (585) 905-1160.

Chart 18543

LNM: 26/19

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 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 – 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.

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

Chart 18427

LNM: 06/19

COLUMBIA RIVER – SNAKE RIVER – 2020 Annual Lock closures for maintenance

The USACE Portland and Walla Walla Districts have scheduled the annual navigation lock maintenance closure for March and April 2020. During this time, the Locks and Dams on the Columbia and Snake Rivers have scheduled routine inspections and maintenance, as well as some non-routine work. The non-routine work includes gate structural repairs, navigation lock concrete monolith repairs, and machinery repair and replacement. All eight (8) of the navigation locks will close at 0600 on 07 Mar 2020. Bonneville, The Dalles, John Day, McNary, Lower Monumental, and Lower Granite will reopen at 2359 on 22 Mar 2020, while Ice Harbor and Little Goose will reopen at 2359 on 05 Apr 2020.

Columbia River navigation lock maintenance closures are:

- Bonneville (RM 145) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020
- The Dalles (RM 191) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020
- John Day (RM 216) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020
- McNary (RM 292) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020
- Snake River navigation lock maintenance closures are:
- Ice Harbor (RM 9.7) – 0600 on 07 Mar 2019 to 2359 on 05 Apr 2020
- Lower Monumental (RM 41.6) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020
- Little Goose (RM 70.3) – 0600 on 07 Mar 2019 to 2359 on 05 Apr 2020
- Lower Granite (RM 107.3) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

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: 45/19

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

SNAKE RIVER – LAKE BRYAN – Little Goose Navigation Lock notice

Vessels transiting the Little Goose Navigation lock may not tie up to or rub against the upstream floating guidewall, due to damage, until further notice. These restrictions will remain in place until repairs can be made to the floating guidewall keyway and cables. For additional information, contact the Little Goose Operator at (509) 399-2233.

Chart 18547

LNM: 13/19

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Future schedule for Hiram M. Chittenden Large Lock maintenance closures (Revised from 47/18)

USACE Seattle District has released a projected schedule for extended maintenance outages of the large lock chamber at the Hiram M. Chittenden Locks in Ballard. In 2019, USACE commenced the first of five extended 45-day closures to replace the valve gates, which are original equipment that must be replaced to keep the 101-year-old Chittenden Locks safe and operational for years to come.

The projected 45-day closure dates are:

- 2020: 12 Feb – 05 Apr
- 12 Oct – 03 Dec
- 2021: 12 Feb – 05 Apr
- 09 Nov – 24 Nov

For more information, contact the Seattle District Public Affairs Office: Bill Dowell at (206) 764-3464 and email william.r.dowell@usace.army.mil

Chart 18447

LNM: 33/19

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

WASHINGTON – SEATTLE TO BREMERSTON – ELLIOTT BAY – Construction at Piers 62 and 63

Pacific Pile and Marine, LP is conducting pier demolition and construction operations at Piers 62 and 63 in Elliott Bay, WA from 15 Jan 18 through

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction at Piers 62 and 63

January of 2020. The hours of operations will be 0700 to 1700, Monday through Friday though some work may be continued through the weekends. The construction and crane barge Web and various other barges will be onscene at all times, lighted at night, and will monitor VHF-FM channels 13, 16 & 69. Construction equipment may be moored in the vicinity of Pier 62 and may restrict sections of the waterway. For additional information, contact Karl Benjamin at (206) 331-3873 or at email Karlb@pacificpile.com.

Chart 18450

LNM: 02/18

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY - Colman Dock construction

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

Chart 18450

LNM: 27/17

WASHINGTON – PUGET SOUND – ELLIOT 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

Chart 18450

LNM: 28/19

WASHINGTON – PUGET SOUND – SEATTLE HARBOR – Terminal 5 site remediation (Revised from LNM 37/19)

American Construction Company has concluded dredging but will continue material placement operations near the NE corner of Terminal 5 at the entrance of the Duwamish River west waterway through 14 February 2020. Work will typically take place from 0630 to 1700, Monday thru Saturday. Operations will periodically occupy approximately 200 feet of the channel. The derrick barges Palouse, Patriot, and/or Mukilteo will be onscene and will monitor VHF-FM channels 13 and 16. Island Tug and Barge vessels may also be onscene conducting towing operations. For additional information, please contact Christopher Raymond at (425) 647-1707 or email at chrisr@americanconstco.com

Chart 18450

LNM: 51/19

WASHINGTON – PUGET SOUND – DUWAMISH WATERWAY - In-water geotechnical boring activity

As part of Sound Transit's West Seattle and Ballard Link Extensions Project, a contractor will be conducting up to two geotechnical borings in the West Duwamish Waterway near the West Seattle Freeway Bridge (LLNR 16870.2). Geotechnical drilling will occur 24 hours a day for approximately ten days between 12 Jan and 21 Feb 2020. Work will occur outside of the federal channel from a barge moored using spuds channel. The barge captain will be monitoring VHF-FM Ch 18 and can also be reached via cell phone at (206) 459-1737. For additional Project information, please contact (206) 903-7229 or wsblink@soundtransit.org.

Chart 18450

LNM: 53/19

WASHINGTON – LAKE WASHINGTON SHIP CANAL – In-water geotechnical boring activity

As part of Sound Transit's West Seattle and Ballard Link Extensions Project, a contractor will be conducting up to ten geotechnical borings in the waters of the Lake Washington Ship Canal just east of the Ballard Street Bridge (LLNR 18180). Geotechnical drilling will occur during daylight hours between 12 Feb and 15 Apr 2020. Work will occur outside of the federal channel from a barge moored using spuds. The barge will be in place 24 hours a day until completion of the borings. The barge captain will be monitoring VHF-FM Ch 18 and can also be reached via cell phone at (206) 459-1737. For additional Project information, please contact (206) 903-7229 or wsblink@soundtransit.org.

Chart 18447

LNM: 53/19

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

WASHINGTON – PUGET SOUND – OAK BAY TO SHILSHOLE BAY – POSSESSION SOUND – Mukilteo Ferry Terminal construction

Manson Construction will be conducting operations to build the new Washington State Ferries Mukilteo Ferry Terminal marine structures starting 15 Oct 2019 through 15 Mar 2020. The new terminal is located approximately .3 nautical miles northeast of the existing WSF Mukilteo Ferry Terminal. Operations will include pile driving, drilling, pouring concrete, steel erection and welding, heavy lifting, and miscellaneous marine construction. Hours of operation are Monday through Friday 0600 to 1630. Marine construction equipment will stay on location during operational and non-operational periods. The vessels involved in the project are Derrick Barge Scandia, deck barges MANSON 50, MANSON 58, and MANSON 64, and work skiffs. The tugs HARRY M and NANCY M will be onsite intermittently. When crewed and operational the vessels are monitoring VHF-FM Channel 8. The Derrick Barge Scandia 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 1000 ft 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. Questions or concerns should be directed to Manson's Project Manager Monica Blanchard at (206) 913-7498 or Project Superintendent Erik Dolmseth at (206) 384-3025.

Charts: 18441 18473

LNM: 37/19

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
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None

ENCLOSURES

Enclosure 1

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

LNLM: 05/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNLM: 05/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNLM: 05/20

Enclosure 4

OREGON - WASHINGTON - COLUMBIA RIVER - Safety and Security Zones

LNLM: 05/20

If you have any questions, comments, or need additional information concerning this or other LNMs (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

CDR Brendan J. Harris
Chief, Waterways Management Branch
Thirteenth Coast Guard District

BRIDGE DISCREPANCIES AND CORRECTIONS

Enclosure (1)

BRIDGE DISCREPANCIES						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
	8990	Coos Bay Railroad Bridge	North Bend, OR	Main Lights Extinguished, Temporary 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
COLUMBIA RIVER						
	None					
SNAKE RIVER						
	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
WILLAMETTE RIVER						
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Multiple lights extinguished	10/17/2019	0802-19
WASHINGTON COAST						
	None					
PUGET SOUND						
	None					
IDAHO						
	None					
BRIDGE CORRECTIONS						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
	None					
COLUMBIA RIVER						
	None					
SNAKE RIVER						
	None					
WILLAMETTE RIVER						
	None					
WASHINGTON COAST						
	None					
PUGET SOUND						
	None					
IDAHO						
	None					

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
2-Jan-20	28-Feb-20	0600-1700 Mon-Fri	Columbia River; Willow Upper and Lower (RM 96 to 98)	M/V Dredge 7	None	VHF-FM 13, 16, 79	Ashore	53/19
6-Sep-19	15-Feb-20	0600-1700 Mon-Fri	Swinomish Channel; La Conner Marina Basins	Barge Flexi, M/V Judge	M/V Sonja H	VHF-FM 18 & 19	Rosario Strait	30/19

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
7-Feb-20	0730-1700	Friday Harbor Salmon Classic	San Juan Islands
8-Feb-20	0730-1700	Friday Harbor Salmon Classic	San Juan Islands
13-Feb-20	0700-1700	Roche Harbor Resort	San Juan Islands
14-Feb-20	0700-1700	Roche Harbor Resort	San Juan Islands
15-Feb-20	0700-1700	Roche Harbor Resort	San Juan Islands

SAFETY AND SECURITY ZONES

Washington – Tank Ship Protection 33 CFR 165.1313

Do not approach within 100 yards of any Tank Ship. No vessel or person is allowed within 100 yards of a tank ship, unless authorized by the on-scene official patrol or tank ship master. If you need to pass within 100 yards of a Tank ship, in order to ensure a safe passage and in accordance with the Navigation Rules, you must contact the Tank Ship on VHF-FM channel 16. When within a tank ship security zone all vessels shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the on-scene official patrol or tank ship master.

Washington – Large Passenger Protection 33 CFR 165.1317

When within a large passenger vessel security and safety zone all vessels must operate at minimum speed necessary to maintain a safe course and must proceed as directed by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 100 yards of a large passenger vessel that is underway or at anchor, unless authorized by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 25 yards of a large passenger vessel that is moored.

Oregon – Large Passenger Protection 33 CFR 165.1318

When within a large passenger vessel security and safety zone all vessels must operate at minimum speed necessary to maintain a safe course and must proceed as directed by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 100 yards of a large passenger vessel that is underway or at anchor, unless authorized by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 25 yards of a large passenger vessel that is moored.

Washington – Protection of Military Cargo – Naval Vessel Protection Zone 33 CFR 165.1321

Do not approach within 100 yards of any U.S. Naval Vessel. Within 500 yards of operation of the U.S. Naval Vessel you must transit at minimum safe operating speed. If you need to pass within 100 yards of a U.S. Naval Vessel, in order to ensure a safe passage and in accordance with the Navigation Rules, you must contact the U.S. Naval Vessel of the Coast Guard escort vessel on VHF-FM channel 16. Vessels 20 meters or greater in length should seek permission from the COTP or a Designated Representative at least 4 hours in advance. Vessel less than 20 meters in length should seek permission at least 1 hour in advance. VTS Puget Sound may be reached on VHF-FM channel 14.

Washington – Elliott Bay – Cruise Ship Protection – Pier 91 33 CFR 165.1324

The Captain of the Port, Puget Sound has established the following areas as safety zones: All waters extending 1,000 yards due south from the end of Pier 91, to be in effect only during the arrival or departure of Large Passenger Cruise Vessels at Pier 91, Seattle, Washington. Additionally, a safety zone encompassing all waters within 100 yards surrounding Pier 91, Seattle, Washington is in effect when a Large Passenger Cruise Vessel is moored at Pier 91. In accordance with the general regulations in 33 CFR Part 165, Subpart D, no person or vessel may enter or remain in this security and safety zone, except for vessels authorized by the Captain of the Port or Designated Representatives.

Washington – Escorted U.S. Navy submarines in Sector Puget Sound COTP Zone 33 CFR 165.1327

The following area is a security zone: All waters within 1000 yards of any U.S. Navy submarine that is operating in the Sector Puget Sound Captain of the Port Zone, as defined in 33 CFR Section 3.65–10, and is being escorted by the Coast Guard. In accordance with the general regulations in 33 CFR Section 165, Subpart D, no person or vessel may enter or remain in the security zone created by paragraph (a) of this section unless authorized by the Coast Guard patrol commander. The Coast Guard patrol commander will coordinate with Vessel Traffic System users on a case-by-case basis to make appropriate passing arrangements under the circumstances. 33 CFR Section 165, Subpart D, contains additional provisions applicable to the security zone created in paragraph (a) of this section. The Coast Guard security escort will attempt, when necessary and practicable, to notify any persons or vessels inside or in the vicinity of the security zone created in this section of its existence via VHF Channel 16 and/or any other means reasonably available.

Washington – U.S. Navy submarines in Hood Canal RNA 33 CFR 165.1328

The following area is a regulated navigation area (RNA): All waters of the Hood Canal in the State of Washington whenever any U.S. Navy submarine is operating in the Hood Canal and is being escorted by the Coast Guard. For purposes of this section, "Hood Canal" means all waters of Hood Canal, including Dabob Bay, located between two lines with the first line connecting positions 47°37.9' N, 122°57.1' W and 47°37.9' N, 122°52.9' W and the second line connecting positions 48°00.7' N, 122°41.0' W and 47°56.4' N, 122°36.9' W. Regulations. All persons and vessels located within the RNA created by this section shall follow all lawful orders and/or directions given to them by Coast Guard security escort personnel. 33 CFR Section 165, Subpart B, contains additional provisions applicable to the RNA created in this section. The Coast Guard security escort will attempt, when necessary and practicable, to notify any persons or vessels in the RNA created in this section of its existence via VHF Channel 16 and/or any other means reasonably available.

Washington – Elliott Bay – Pier 36 Security Zone 33 CFR 165. 1334

The Coast Guard has established a security zone at U.S. Coast Guard (USCG) Base Support Unit Seattle, Pier 36, Elliott Bay, Seattle, WA. This permanent security zone is necessary to protect military and visiting foreign vessels, waterfront facilities, and the maritime public from destruction, loss, or injury from sabotage, subversive acts, or other malicious acts of a similar nature. Entry into or movement within this security zone is prohibited without the permission of the Captain of the Port or a Designated Representative. 165.1334 Security Zone; U.S. Coast Guard BSU Seattle, Pier 36, Elliott Bay, Seattle, WA. (a) Location: The following area is a security zone: all waters east of a line from 47-35.450'N 122-20.585'W to 47-35.409'N 122-20.585'W at Pier 36, Elliott Bay, Seattle, WA. (b) Regulations: In accordance with the general regulations in 33 CFR Part 165, Subpart D, no vessel may enter, transit, moor, or anchor within this security zone located at Pier 36, Elliott Bay, WA, except for vessels authorized by the Captain of the Port or Designated Representative. (c) Authorization: To request authorization to operate within this security zone, contact United States Coast Guard Sector Puget Sound Joint Harbor Operations Center at 206-217-6001.