U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 13 Week: 18/20

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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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=lnmDistrict&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
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). LNMs and other navigation notices can be obtained via e-mail subscription through the USCG Navigation Center website:
https://www.navcen.uscg.gov/?pageName=feeds
In addition, the NIS investigates all reports of degradation or loss of GPS or DGPS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: (703) 313-5900 or Email: webmaster@navcen.uscg.mil, or on the World Wide Web:
https://www.navcen.uscg.gov/?pageName=gpsUserInput

BROADCAST NOTICE TO MARINERS
Urgent marine navigational and weather information is broadcast over VHF channel 22A (157.1 MHZ). Broadcasts are first announced over the distress, safety and calling channel 16 before they are made. All ships in U.S. waters over 20 meters in length are required to monitor VHF channel 16, and must have radios capable of tuning to the VHF simplex channel 22A.

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

Originating Unit	Beginning BNM	Ending BNM
CGD THIRTEEN	D13-0303-20	D13-0314-20

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 – WASHINGTON – U.S. Coast Pilot 7 and U.S. Coast Pilot 10 new editions

The U.S Coast Pilot 7 will be divided into two editions in the spring 2020 due to its large size. The following are the projected new editions that will be issued on the same date and ready for free download and weekly updates on 9 Jun 2020 at nauticalcharts.noaa.gov/publications/coast-pilot/index.html.

U.S. Coast Pilot 7, Pacific Coast: California - 52nd Edition, 2020

U.S. Coast Pilot 10, Pacific Coast: Oregon, Washington, Hawaii and Pacific Islands - 1st Edition, 2020

Only Print-on-Demand bound copies are available for purchase at www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot

For any questions or comments; visit www.nauticalcharts.noaa.gov/customer-service/assist/

LNM: 18/20

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

ODOT will be performing inspections on the Interstate 5 Highway Bridge (LLNR 11258) across the Columbia River at mile 106.5 between Vancouver, Washington and Portland, Oregon, from 11 May – 15 May 2020. ODOT will be positioning a spud barge along the span to allow for aerial lift deployment. For the safety of inspection personnel, mariners are requested to reduce their speed and minimize wake when transiting through the area. Working hours will be 0600 through 1800 daily. The spud barge will be secured out of the channel during non-working hours. Steady white lights will illuminate the barge on all four corners at night. The tug Ruth will be standing by on VHF-FM channel 13 during working hours. For additional information, contact ODOT, Noah Brennan, at (503) 969-1091 or email noah.brennan@odot.state.or.us.

Charts: 18525 18531 LNM: 18/20

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

The Coast Guard has approved 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. For additional information or questions, please contact ODOT, Ben White, at (503) 731-8517 or email Benjamin.White@odot.state.or.us

Charts: 18525 18531 LNM: 18/20

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

The Coast Guard has approved two temporary deviations to 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 on 03 Jul to 06 Jul 2020, and from 0700 to 1700 daily on 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 the vertical clearance above 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. For more information, please contact Jon Henrichsen at (503) 988-7126 or email jon.p.henrichsen@multco.us.

Chart 18526 LNM: 18/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – WARRENDALE – NOAA Fisheries research barge (Revised from LNM 15/20)

NOAA has moored a fisheries research barge on the Columbia River, near Hamilton Island Reach in approximate position 45-37-40.580N, 121-58-32.495W 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 (Fl 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.

Chart 18531 LNM: 18/20

WASHINGTON - PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – West Seattle Bridge information

The Captain of the Port (COTP) Puget Sound has issued Marine Safety Information Bulletin (MSIB) 02-20 regarding the West Seattle Freeway Bridge (LLNR 16870.2) and recommendations for Duwamish Waterway users. MSIB 02-20 is included as Enclosure (5) to this Local Notice to Mariners and all interested and impacted maritime stakeholders should read it in its entirety.

Chart 18450 LNM: 18/20

WASHINGTON – LAKE WASHINGTON – SAMMAMISH RIVER – Special Bridge Notice

The Coast Guard has issued a Navigation Only public notice (PN) for a Washington State Department of Transportation bridge design modification for a proposed I-405/522/527 Bridge Project. The Project is at the Sammamish River, mile 4.6, within the City of Bothell, Washington. Public Notice 02-20 solicits comments exclusively on the proposed bridges ability to meet the reasonable needs of navigation, and is available at https://www.navcen.uscg.gov/D13BN. Questions or comments will be received until 05 Jun 2020 and should be addressed to the District Bridge Administrator at D13-SMB-D13-Bridges@uscg.mil or by telephone (if unable to submit comments in writing) at (206) 220-7280.

Chart 18447 LNM: 18/20

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Notice

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

Chart 18554 LNM: 18/20

COLUMBIA RIVER – CRIMS ISLAND TO HARRINGTON POINT – Stella Range and the centerline of Stella Channel

Stella Range Rear Light (LLNR 10665) was rebuilt in February 2020 and relocated 21 feet in the direction of 352.3° true to correct a previous error in alignment with the US Army Corps of Engineers channel centerline coordinates. However, the new range line does not accurately mark the centerline of the channel. This error is most pronounced at the upriver entrance of the channel (southeast), which is three miles from the front range, where mariners visually on the range line will be approximately 130 yards south of the centerline. Mariners should use caution while navigating Stella Range, be aware of this anomaly, and continue to use all available means to determine their vessel's position.

Chart 18524 LNM: 17/20

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – Burnside Bridge Notice

The Burnside Highway Bridge (LLNR 14955.4) across the Willamette River at mile 12.4, in Portland, Oregon, has experienced an electrical failure, and will require emergent repairs as soon as contractors can be arranged. Repairs may take up to two weeks. The electrical failure poses a serious safety issue, and the bridge operations will be impacted in the near future. The double bascule bridge may be authorized to operate in single leaf mode (one side open only), however, the details of operations are not yet determined. If single leaf operations are authorized, tug assistance will be available upon request. The Burnside Bridge's vertical clearance in the closed-to-navigation position provides 64 feet above Columbia River Datum 0.0. Vessels which do not require a bridge opening may continue to transit through the bridge during this closure period. The normal operating schedule is in 33 CFR 117.897(c)(3)(iii). The bridge may not be able to open for emergencies, and there is no immediate alternate route for vessels to pass. Mariners are advised that new information will be published in the LNM as it is received, and may be issued in BNM format due to the dynamic nature of the situation. For more information contact Multnomah County, Matt Studer, at (503) 708-0740 or email Matt.D.Studer@multco.us.

Chart 18526 LNM: 17/20

IDAHO – CLEARWATER RIVER – NEZ PERCE COUNTY – Special Bridge Notice

The Coast Guard has issued a public notice announcing a permit application from Nez Perce County for the approval of location and plans for the replacement of the Cherrylane Bridge waterway mile 21.4, near Lenore, ID, at 46-30-55.680N, 116-40-50.930W. Nez Perce County proposes to replace the existing bridge. Public Notice 01-20 solicits comments and is available at https://www.navcen.uscg.gov/D13BN. Questions or comments can be addressed to the District Bridge Administrator at D13-SMB-D13-Bridges@uscg.mil.

LNM: 17/20

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-complaint 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

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 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

Chart 18526 LNM: 15/20

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	
10220	**Miller Sands Channel Lighted Buoy 6**	**LT EXT**	**18523**	**0313-20**	**18/20**	
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
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

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9990	Desdemona Sands Channel Lighted Buoy 22	RELIGHTED	18521	None	18/20	18/20

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
694	**Scripps Institute Wave Recorder Lighted Buoy 46243/162**	**OFF STA**	**18521**	**0309-20**	**18/20**	
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

None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

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

TEMPORARY CHANGES CORRECTED

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

None

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

None

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)	Project Date	Ref. LNM
None		

Advance Notice(s)

OREGON – CAPE SEBASTIAN TO HUMBUG MOUNTAIN – Sound baffling on Rogue River North Jetty Light 3 Sound Signal

The Coast Guard is planning to install sound baffles on the sound signal at Rogue River North Jetty Light 3 (LLNR 8660) during the 2020 seasonal deployment of the aid to navigation. The baffles would be installed on the 180° shore-facing side of the sound signal in order to reduce noise impact to nearby residents. Mariners are requested to respond in writing to the Coast Guard District office with any comments on this change at D13-SMB-D13-LNM@uscg.mil.

Chart 18601 LNM: 17/20

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

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

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

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

Charts: 18524 18525 LNM: 52/19

COLUMBIA RIVER – LAKE UMATILLA – BLALOCK ISLAND TO MCNARY DAM - Testing of LED Range Lights

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

Irrigon Lower Range Front Light 60 (LLNR 12655) the high intensity beam will be increased from 1° to 3° and the intensity of the light will be increased.

Irrigon Lower Range Rear Light (LLNR 12660) the intensity will be increased to match the Range Front Light.

Irrigon Middle Range Front Light 67 (LLNR 12690) the high intensity beam will be increased from 1° to 3° and the intensity of the light will be increased.

Irrigon Middle Range Rear Light (LLNR 12695) all characteristic and intensity will remain the same.

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

Chart 18539 LNM: 18/20

SNAKE RIVER – LAKE HERBERT G. WEST – LOWER MONUMENTAL - Testing of LED Range Light at McGuire Range

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

McGuire Range Front Light 60 (LLNR 13655) the high intensity beam will be increased from 1° to 3°. The intensity of the high intensity beam will remain the same, but the intensity of the 360° light will increase.
McGuire Range Rear Light (LLNR 13660) all characteristic and intensity will remain the same.

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

Chart 18546 LNM: 18/20

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

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

Chart 18480 LNM: 49/19

WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – OLYMPIA HARBOR - Disestablishment of West Olympia Shoal (Revised from LNM 16/20)

West Olympia Shoal Light 1 (LLNR 17410) was destroyed in February of 2020 and has been replaced with a lighted buoy. Due to the extended period before the structure can be rebuilt, the U.S. Coast has discontinued the light from the nautical charts and Light List, and established West Olympia Shoal Lighted Buoy 1 (LLNR 17411) in approximate position 47-05-30.309N 122-55-29.951W. The lighted buoy displays a green light flashing every 4 seconds (Fl G 4s) with a nominal range of 4 NM.

Chart 18456 LNM: 17/20

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Disestablishment of North Portland Harbor East End Range and establishment of Oregon Slough Light 2

The U.S. Coast Guard is proposing to permanently disestablish the North Portland Harbor East End Range Front Light (LLNR 11280) and Range Rear Light (LLNR 11285). These range lights no longer mark the navigable channel into the east entrance of the Oregon Slough. Oregon Slough Light 2 will be established at the south east corner of the entrance channel in approximate position 45-36-04.727N 122-38-27.222W with a quick flashing red light (Q R). North Portland Harbor Light 2 (LLNR 11285) will be renamed as Oregon Slough Light 4 (LLNR and relocated to approximate position 45-36-12.829N 122-38-06.457W to mark the eastern boundary of the navigable channel. Additionally, North Portland Harbor Daybeacon 1 (LLNR 11290) will be renamed as Oregon Slough Daybeacon 1 (LLNR 11280).

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

Chart 18531 LNM: 18/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Creation of a dual front range structure for Government Island and Lady Island Range

The U.S. Coast Guard is proposing to permanently disestablish the separate structures for Government Island Range Front Light (LLNR 11465) and Lady Island Range Front Light (LLNR 11490) and build a single front range structure in approximate position 45-33-42.058N 122-26-36.548W. The day and night characteristics for both ranges will be changed to a quick flashing red light (Q R), with high intensity 3° beams at 076° and 309°, in addition to a lower intensity 360° quick flashing red light (Q R).
Government Island Range Rear Light (LLNR 11470) will be relocated to approximate position 45-34-07.756W and Lady Island Range Rear Light (LLNR 11495) will be relocated to approximate position 45-33-44.516N 122-27-01.705W to maintain the required distance between structure for range sensitivity.

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

US Coast Guard Sector Columbia River.

Chart 18531 LNM: 18/20

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: 18/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 18/20

SUMMARY OF MARINE EVENTS

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

LNM: 18/20

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

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

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

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

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 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

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 published in Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 and wereincluded 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 nagivational 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@nooa.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-

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

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-feet 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.

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.

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

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 – 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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
8765	*Guano Rock Lighted Whistle Buoy 4*	43-21-14.895N 124-20-25.711W	Fl R 4s		4	Red.		18/20
					*			
8830	*Coos Bay Channel Lighted Buoy 10*	43-21-54.001N 124-18-51.820W	Fl R 4s		4	Red.		18/20
					*			
8905	*Coos Bay Channel Lighted Buoy 16*	43-24-01.683N 124-16-44.877W	Fl R 4s		4	Red.		18/20
					*			
16096	Quillayute River Buoy 5	47-54-30.274N 124-38-31.531W				Green can.	Position shifted with changing conditions. Maintained from May 1 to Oct. 1.	18/20
		*						

ENCLOSURES

Enclosure 1

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

LNM: 18/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 18/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 18/20

Enclosure 4

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Interstate 5 Highway Bridge closure information

LNM: 18/20

Enclosure 5

WASHINGTON - PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – West Seattle Bridge MSIB

LNM: 18/20

Enclosure 6

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Construction Diagram

LNM: 18/20

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, 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
COLUMBIA RIVER						
	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
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						

OREGON - COLUMBIA RIVER - WASHINGTON DREDGING OPERATIONS

Enclosure (2)

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
28-Apr-20	23-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	17/20

Mariners are advised that the start and ending dates for dredging activities may vary due to unforseen 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	

As of: 5/06/2020

Enclosure (4)

NOTICE TO MARINERS

INTERSTATE BRIDGE TRUNNION REPLACEMENT

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.

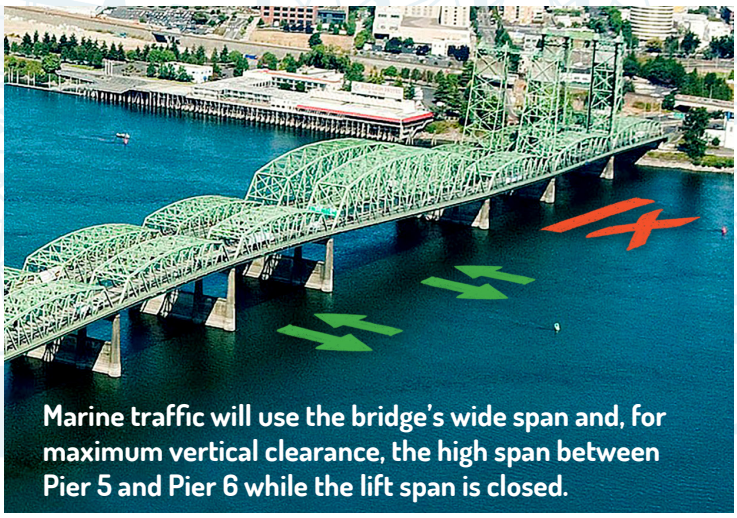
During this closure, marine traffic will use the bridge's wide span and, for maximum vertical clearance, the high span between Pier 5 and Pier 6 (3 white lights over 1 green light) with 72 feet of clearance to the zero water level mark.

ANTICIPATED SCHEDULE

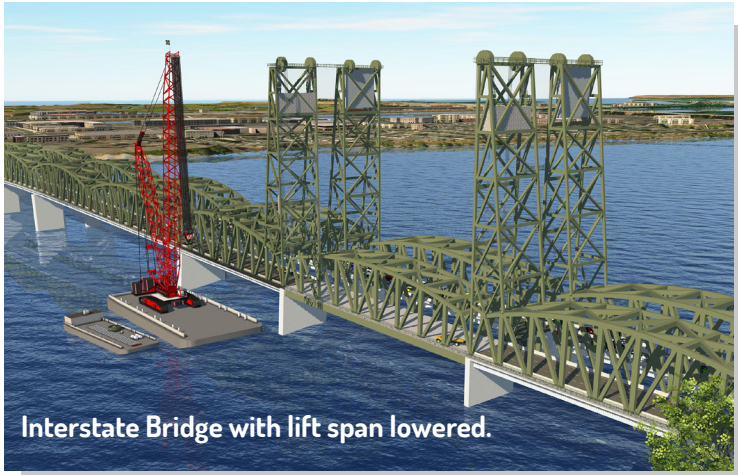
The navigable channel under the lift span, between Pier 2 and Pier 3, will close to marine traffic from:

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 for more project information and to sign up to for electronic updates.

Oregon Department of Transportation

WSDOT

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

Captain of the Port Puget Sound
United States Coast Guard
Sector Puget Sound

1519 Alaskan Way South, Bldg 4
Seattle, WA 98134-1192
Staff Symbol: s
Phone: (206) 217-6002
Fax: (206) 217-6348

3010

MARINE SAFETY INFORMATION BULLETIN

These bulletins are purely informational for the maritime community within this Captain of the Port zone. They advise you of emerging information & situations that may impact our Marine Transportation System. As important, they help to manage expectations & facilitate cooperation regarding actions that we may be taking and/or that you may need to employ in the interest of safety/security. Increased vigilance in our maritime world hinges significantly upon proactive engagement & information sharing with the private sector, which has the primary responsibility for security & safety at their waterfront facilities & vessels.

BULLETIN NO: 02-20 **Date: 04 May 2020**

SUBJECT: WEST SEATTLE HIGH RISE BRIDGE – RECOMMENDATIONS FOR DUWAMISH WATERWAY USERS

1. **Background**: The Seattle Department of Transportation (SDOT) identified significant structural cracking on the West Seattle High Rise Bridge ("the bridge") and immediately closed the bridge to vehicle traffic on March 23, 2020. Based on SDOT's daily inspections, cracks continue to propagate on the bridge, but at a slower rate than before the bridge was closed.

2. **Current Situation:** The bridge is inspected multiple times a day by SDOT engineers. As of this date, SDOT has determined the bridge safe for workers and safe for vessels to pass below it. SDOT is currently installing sensors to actively monitor the bridge's structural status and serve as an early warning system in the event of a catastrophic structural failure. However, it is essential for waterway users and marine terminal operators to be aware that the condition of the bridge is dynamic and there is a potential for the bridge's safety status to change on short notice. If the bridge becomes unsafe, the waterway may be closed to all marine traffic by the U.S. Coast Guard. The U.S. Coast Guard is actively supporting SDOT, the lead agency, with emergency planning, alert notification, and evacuation procedures. Both the City of Seattle Office of Emergency Management and the U.S. Coast Guard have established Alert Warning System protocols to immediately communicate changes to the bridge and/or waterway status. **The safety of waterway users and unobstructed use of this vital Marine Transportation System hub is a top regional priority.** The U.S. Coast Guard is working closely with Federal, State, and Local partners to ensure the waterway is cleared as soon as possible in the event of an unforeseen obstruction.

3. **Recommendations:** Commercial vessel and marine terminal operators, recreational vessel owners, and Tribal nations who operate south of the West Seattle High Rise Bridge should consider the following voluntary Standards of Care:

   a. Prepare contingency plans in the event of an extended waterway closure.
   b. Determine alternative operation sites north of the bridge.
   c. Limit navigating the Duwamish waterway south of the bridge to essential operations only.
   d. Streamline shore to ship cargo handling procedures to reduce time south of the bridge.
   e. Make alternate arrangements to layup or moor inactive vessels north of the bridge.
   f. Do not station-keep or linger underneath the bridge waiting for the Lower Spokane Street Swing Bridge to open or close.

4. **Communication:** These recommendations will remain active until the bridge is determined sufficiently stabilized by SDOT. The U.S. Coast Guard will continue to be actively involved in SDOT and other key stakeholder meetings and will update this Marine Safety Information Bulletin as appropriate. To obtain the latest and most accurate information on the West Seattle High Rise Bridge:

    a. Sign up for the Coast Guard Alert & Warning System alerts. Please e-mail SectorPugetSoundWWM@uscg.mil.

    b. Sign up for SDOT/City of Seattle alerts (https://alert.seattle.gov/).

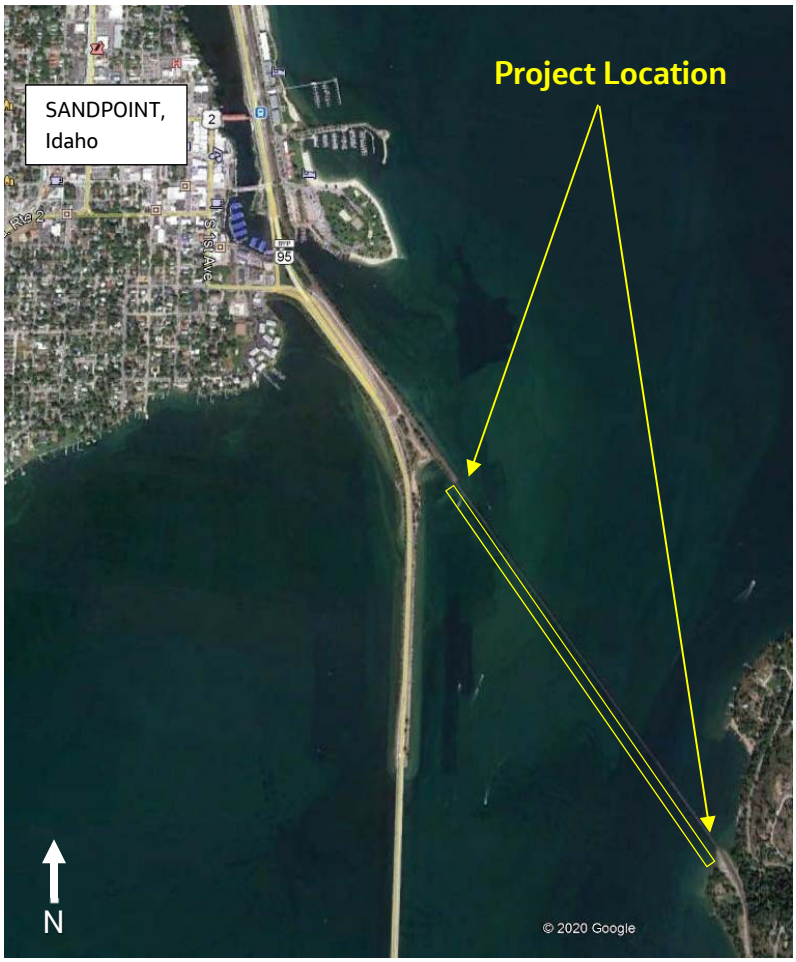
    c. Follow updates via the SDOT Bridge Project website: (http://www.seattle.gov/transportation/westseattlebridge).

    d. All vessels underway in the vicinity of Harbor Island and the Duwamish Waterway should monitor VHF Marine Band Radio Channel 16 and/or VHF Marine Band Radio Channel 14 (Vessel Traffic Service).

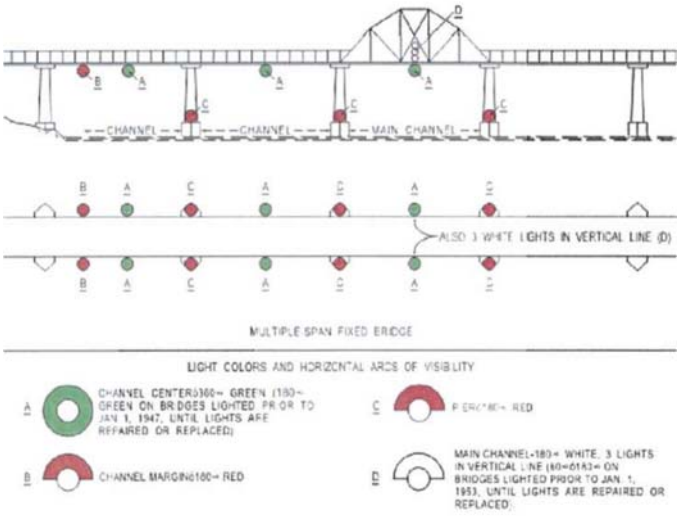
5. For more information, please contact SectorPugetSoundWWM@uscg.mil or the Sector Puget Sound Command Center at (206) 217-6002.

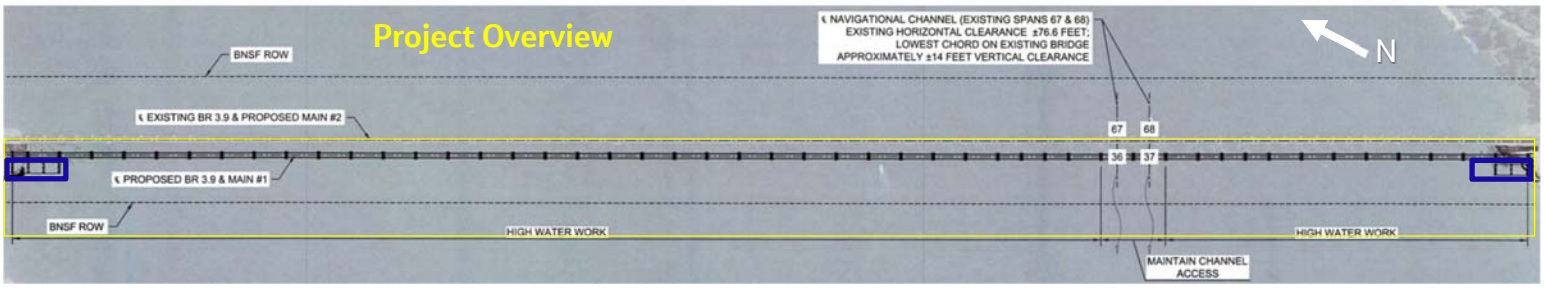
Sincerely,

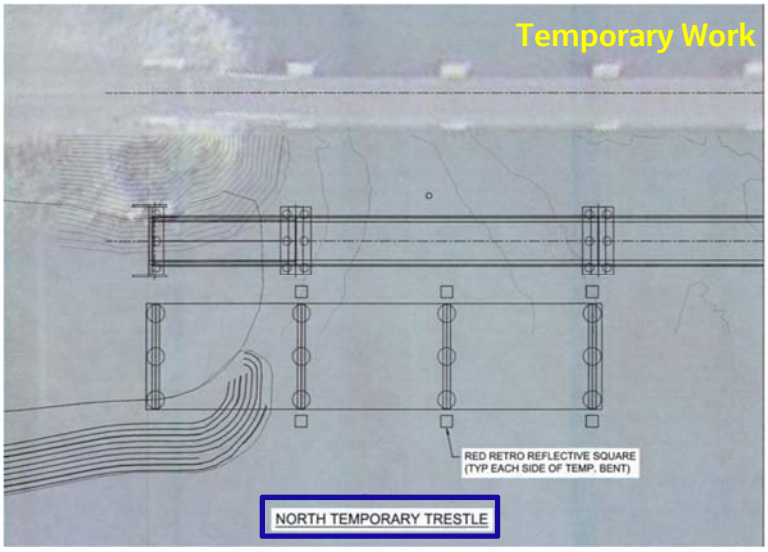
L. A. Sturgis
Captain, U.S. Coast Guard
Captain of the Port, Sector Puget Sound

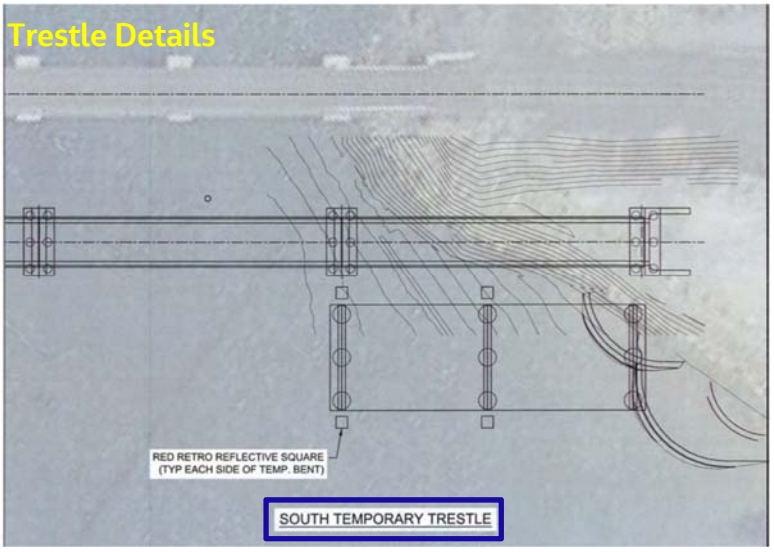


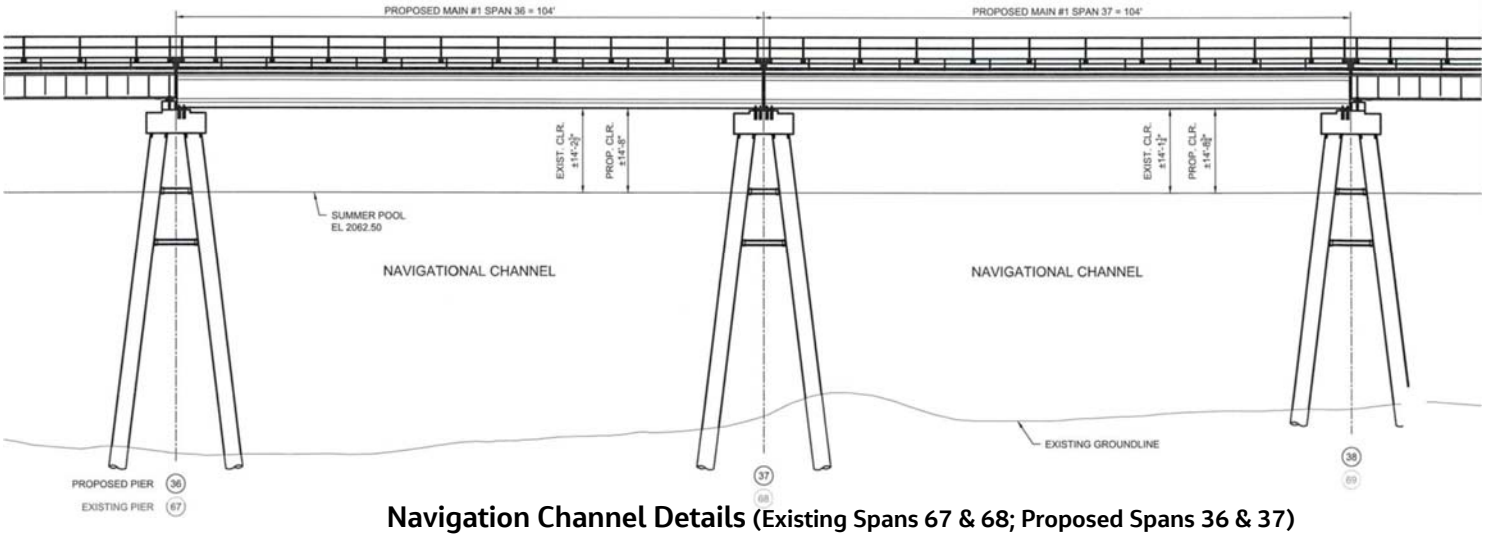
Navigation Lighting/Buoy Details



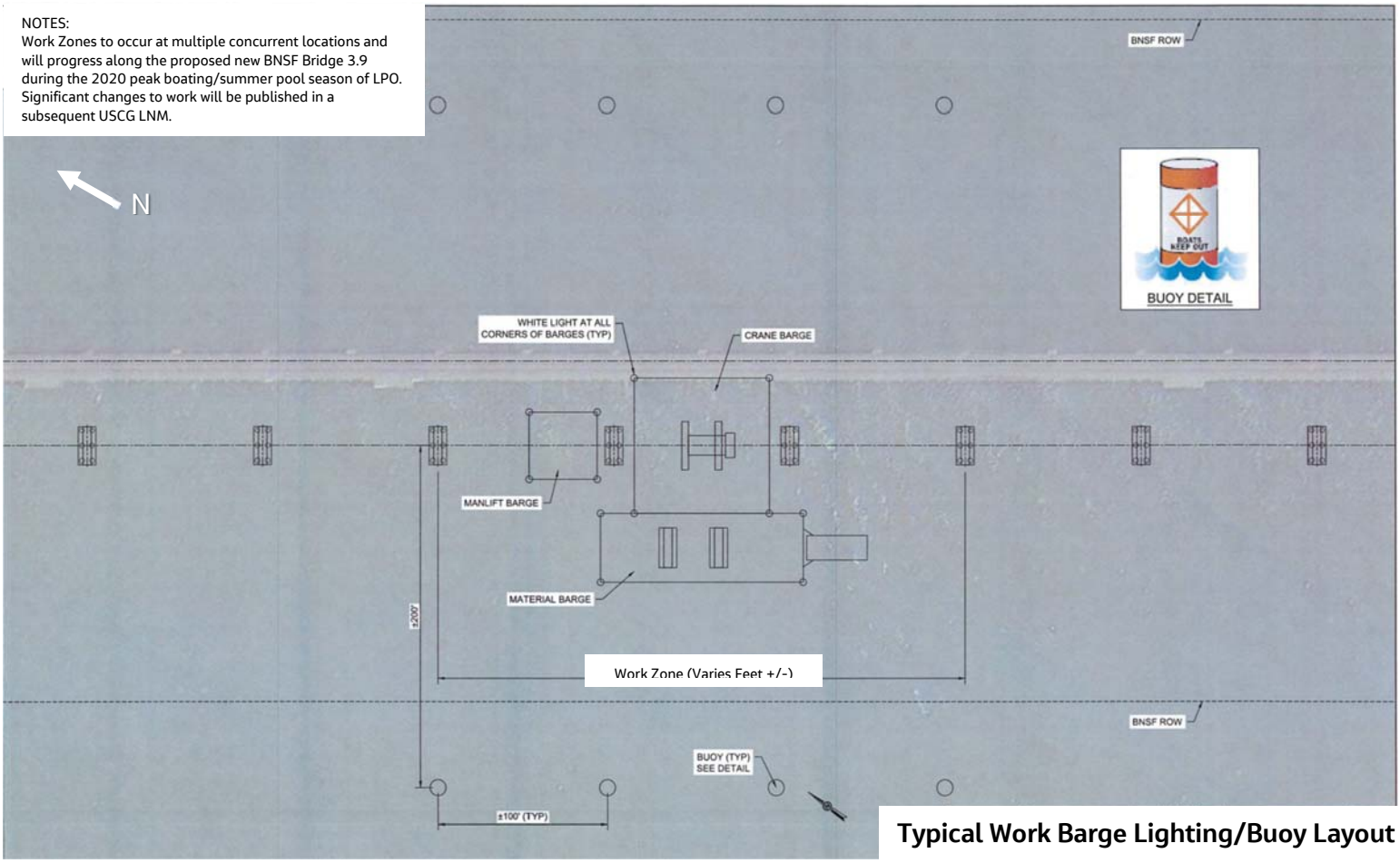








Navigation Channel Details **(Existing Spans 67 & 68; Proposed Spans 36 & 37)**



Typical Work Barge Lighting/Buoy Layout

(Varies per type of barge, such as crane, material, pier/span setting, etc.)