U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS

District: 13 Week: 45/20

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

COMDTPUB P16502.6, Light List Volume VI, 2020 Edition, and Coast Pilot Volume 10, 2020 Edition.
Light List Volume VI, 2020 Edition is available at https://www.navcen.uscg.gov/pdf/lightLists/LightList_V6_2020.pdf
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	D13-0775-20	D13-0785-20

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

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LTR - Letter
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHz - Megahertz
MISS/MSNG - Missing
Mo - Morse Code
MRASS - Marine Radio Activated Sound Signal

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
RRASS - Remote Radio Activated Sound Signal
s - seconds
SEC - Section
SHL - Shoaling
si - silent
SIG - Signal
SND - Sound
SPM - Single Point Mooring Buoy
SS - Sound Signal

EVAL - Evaluation
EXT - Extinguished
F - Fixed
fl - flash
Fl - Flashing
G - Green
GIWW - Gulf Intracoastal Waterway
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
MSLD - Misleading
N/C - Not Charted
NGA - National Geospatial-Intelligence Agency
NO/NUM - Number
NOS - National Ocean Service
NW - Notice Writer
OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
Oc - Occulting
ODAS - Anchored Oceanographic Data Buoy
STA - Station
STRUCT - Structure
St M - Statute Mile
TEMP - Temporary Aid Change
TMK - Topmark
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TRUB - Temporarily Replaced by Unlighted Buoy
USACE - Army Corps of Engineers
W - White
Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

AtoN - Aids to Navigation
COTP – Captain of the Port
CPA - Closest Point of Approach
LLNR - Light List Number
NAVCEN – U.S. Coast Guard Navigation Center
NM - Nautical Miles
ODOT – Oregon Department of Transportation
RM - River Mile Marker
S-AIS – Synthetic AIS
VTS - Vessel Traffic Service
WSDOT- Washington State Department of Transportation
TSS - Traffic Separation Scheme

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

OREGON – WASHINGTON – End of printed Tide Tables and Tidal Current Tables

NOAA is ending the production of the printed Tide Tables and Tidal Current Tables publications. The 2020 Tide Tables and Tidal Current Tables were the final printed editions. There will not be NOAA printed Tide Tables and Tidal Current Tables publications for 2021. NOAA is discontinuing the production of these annual publications due to: (a) recent changes by the Coast Guard in the interpretation of the requirements for predictions, no longer requiring these publications in paper format and (b) the availability of online and electronic services providing tide and tidal current predictions which meet the Coast Guard requirements for navigation, and support other activities along the U.S. coast. Online Tide and Tidal Current predictions are available through NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) online services:

- NOAA Tide Predictions: https://tidesandcurrents.noaa.gov/tide_predictions.html
- NOAA Current Predictions: https://tidesandcurrents.noaa.gov/noaacurrents/Regions

These online services provide predictions which equal or exceed the accuracy and availability of the predictions for domestic locations provided through printed publications, and provide additional capabilities allowing the predictions to better meet a variety of user needs. These online services provide predictions for the U.S. coasts. International predictions will not be available from the online services. Predictions for countries outside the U.S. may be obtained through the Oceanographic / Hydrographic agency in that country. Contact NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) with questions or for further information at (301) 713-2815 or email at Tide.Predictions@noaa.gov

LNM: 45/20

COLUMBIA RIVER – CRIMS ISLAND TO ST HELENS TO VANCOUVER – King pile construction (Revised from LNM 44/20)

Bergeson Construction and HME Construction will be conducting construction activities in the Columbia River installing single piles with a sign to mark USACE dike locations. Construction will begin near Multnomah Falls (RM 136.6) and work downriver toward Puget Island (RM 41) with an estimated completion date of 25 Nov 2020. During the week of 09 Nov 2020 the crane barge Betsy Ross will conduct the construction work from approximately RM 46 downriver to RM 41. The derrick barge Sea Hawk will conduct the rock scour placement around each pile, from approximately RM 78 downriver to RM 41. Both vessels will monitor VHF-FM channels 16 & 17. Mariners are requested to stay clear and navigate with caution around the work site.

Charts: 18524 18525 LNM: 45/20

WASHINGTON – PUGET SOUND – SEATTLE HARBOR – DUWAMISH WATERWAY – Special Bridge notice (Revised from LNM 32/20)

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

Charts: 18449 18450 LNM: 45/20

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

The Coast Guard intends to approve a deviation from the operating schedule that governs the South Park Bridge (LLNR 16888) across the Duwamish Waterway, mile 3.8, in Seattle, WA. This deviation will authorize the bridge to modify the operating schedule as follows:

2300 on 07 Dec to 0700 on 08 Dec 2020: Single leaf/half opening
2300 on 08 Dec to 0700 on 09 Dec 2020: Single leaf/half opening
2300 on 09 Dec to 0700 on 10 Dec 2020: Fully Closed – no openings
2300 on 10 Dec to 0700 on 11 Dec 2020: Single leaf/half opening
2300 on 11 Dec to 0700 on 12 Dec 2020: Single leaf/half opening

The South Park Bridge will be authorized to open half of the span upon request in accordance with 33CFR§117.1041(2)(3) as noted above.

Additionally, the bridge will be authorized to not open, including for emergency response vessels, from 2300 on 09 Dec to 0700 on 10 Dec 2020. No alternate route is available on the Duwamish Waterway. The South Park Bridge provides 34 ft of vertical clearance for 58 ft of middle span, and 27 ft vertical clearance on sides in the closed-to-navigation position at high tide. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge also provides 60 ft of horizontal clearance for a half span opening. The deviation is necessary to accommodate SDOT's bi-annual bridge inspect. If any mariner or marine business cannot support this temporary bridge deviation, please submit comments no later than 25 Nov 2020, at d13-smb-d13-bridges@uscg.mil.

Chart 18450 LNM: 45/20

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

The Navy will conduct tactical boat operations on 16 – 20 Nov 2020 on the water along the western side of US Naval Magazine Indian Island, during the hours of 0800-1600. The exercise area is located from the southern portion of Crane Point at 48-02-55.352N,122-44-31.121W extending westward to 48-02-55.352N, 122-44-52.674W, extending NNW to 48-04-19.272N, 122-45-36.436W, and extending to the N and NE encompassing 500 meters standoff from the Portable Security Barrier (PSB) system to Walan Point. Potential hazards will include two 33-foot Police boats, grey in color with blue lights flashing conducting high-speed maneuvers intercepting surface vessels performing simulated attacks on the waterfront of Indian Island. Military Police personnel will be using machine guns with blank fire to repel simulated hostile forces. This training area is restricted to U.S. Navy, Coast Guard and Jefferson County Sheriff vessels during the above mentioned times. It is required that all vessels maintain a safe distance in all directions from the northern edge of the Ammunition Pier extending from Walan Point extending westward to the identified coordinates and south of Crane Point area as well as 500 yards from the vessels engaged in exercises. Vessels involved in the exercise can be contacted on VHF-FM channels 69, 71 and 16. For more information, contact Naval Magazine Indian Island, Brian Nelson, at (360) 396-5361 or email brian.t.nelson3@navy.mil.

Charts: 18464 18471 LNM: 45/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – LADY ISLAND – Dredging disposal barge

Dixon Marine Services will conduct dredging operations at Chinook Landing Marine Park near Columbia River Mile 118.5 beginning on or about 06 Nov 2020 and continuing until approximately 28 Feb 2021. The project is a hydraulic dredging program with material disposal via a submerged pipeline to a disposal barge which will be anchored along the southern edge of the shipping channel of the Columbia River in approximate position 45-33-50.760N, 122-26-35.520W. The disposal barge is 20 by 40, moored at each corner with 750 lb. anchors attached to 36 inch, white steel mooring balls and be equipped with flashing lights. The dredging activity will be performed by hydraulic dredge Moray, and the assist vessels can be contacted on VHF-FM channel 78. See enclosure (4) of this LNM for a graphic of the barge location. For more information, contact Mark Sutton, Dixon Marine Services at (415) 760-7227.

Chart 18531 LNM: 44/20

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

The Coast Guard has issued a 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. The deviation period will be from 0001 on 15 Jan 2021 to 2359 on 15 Mar 2021, for 24 hours per day. The deviation is necessary to accommodate WSDOT's bridge equipment replacement. The temporary deviation is approved and allows for, after receiving a signal to open the draw of the 1st Avenue South Bridge, the bridge operator may delay the opening of the draw up to 15 minutes. The 15 minute delay gives WSDOT's work crew time to clear the bridge. The 15 minute delay to open applies to vessels of 5000 gross tons and over, a vessel towing a vessel of 5000 gross tons and over, and a vessel proceeding to pick up for towing a vessel of 5000 gross tons and over. During this closure, the draw of the subject bridge may also delay opening of the draw up to 15 minutes to marine vessels engaged in emergency operations. The subject bridge provides a vertical clearance of 39 feet center and 22 feet on the sides at high tide. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information, contact Cory Nau at (206) 768-5862.

Chart 18450 LNM: 44/20

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Notice (Revised from LNM 18/20)

BNSF Railway Company (BNSF) is continuing construction on the new BNSF Railroad Bridge 3.9 (LLNR 20087) located over Lake Pend Oreille (LPO) in Sandpoint, ID, from the start of the LPO winter draw-down levels as of 01 Nov 2020 through the start of LPO summer fill-up beginning on 01 May 2021. Work barges will be staged along the work corridor with support from upland staging areas, primarily from the south shore of LPO, near East Algoma along the BNSF right-of-way (ROW). This phase requires the construction of a temporary pipe trolley or trestle from the upland staging area at the south shore that will carry pipe piles to the work barges. Hours of construction activities will generally be 0730 to 1600, Monday to Saturday. An Ames-owned tugboat, Audrey B, will position barges and provide other on-water support within the BNSF 200' ROW west of the existing BNSF Bridge 3.9 in varying linear work zone foot prints. The Audrey B can be hailed on VHF-FM channels 13 and 16. One of the two published navigation channels at the existing BNSF Bridge 3.9 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 during all work activities. 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 (COLREGS-Inland). Enclosure (5) of this LNM displays the overview for this phase work activities. Changes to the work locations and activities will be updated by a subsequent LNM in the Spring of 2021. 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 and MikePamperin@amesco.com. For additional information contact the BNSF Project Manager, Ryan Kopera, at (913) 284-3467 or Ryan.Kopera@BNSF.com.

Chart 18554 LNM: 44/20

COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT - DESDEMONA SANDS – Underwater obstruction

On 22 Oct 2020, a deep draft vessel lost an anchor and chain in or near Upper Desdemona Shoal Channel after an emergency anchoring

situation. This obstruction may pose a danger to deep draft vessels transiting this portion of the channel. The Coast Guard established a V-AIS signal to assist mariners in avoiding the location, in approximate position 46-12-56.950N 123-57-27.720W with MMSI 993692208 (21) and labeled as an Isolated Danger mark titled OBSTN. There is no timeline for removal of the obstruction.

Chart 18521 LNM: 43/20

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – BONNEVILLE POOL – Dive Operations

The USACE Portland District Dive Team will be conducting diving operations during daylight hours in the Columbia River along the shorelines near Bradford Island and Goose Island, between RM 145 - 147. Dive operations will be conducted, as conditions allow, from 09 – 20 Nov 2021. Mariners are urged to transit cautiously and minimize wake near dive operations. For more information, contact the dive office at (541) 554-9726.

Charts: 18531 18532 LNM: 43/20

WASHINGTON – LAKE WASHINGTON – SAMMAMISH RIVER – Bridge Notice

The Coast Guard has received a request from the Construction Contractor for the West Sammamish River Bridge at Sammamish River mile 0.5 near Kenmore, Washington. The Contractor is requesting to completely obstruct the waterway for two weeks at the bridge site in order to facilitate demolition of the old bridge. The waterway at the bridge site would be completely obstructed to navigation by a containment system from 0001 on 18 Jan to 2359 on 31 Jan 2021. Maritime first responders will be able to pass given they provide 30 minutes advance notice (if the Contractors are in the process of a lift operation they will not be able to open for maritime first responders until the lift operation is complete). During demolition operations the waterway at the bridge site will provide numerous maritime safety issues therefore mariners are asked to stay at least 100 yards away. Mariners and maritime stakeholders are asked to provide comments to the Coast Guard expressing their support of or against the approval of this request with explanation on how this closure may impact their navigation needs. Comments should be sent no later than 27 Nov 2020 to D13-SMB-D13-BRIDGES@uscg.mil.

Chart 18447 LNM: 43/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Marine construction

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

Charts: 18525 18531 LNM: 42/20

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

The Coast Guard has issued a temporary deviation from the operating schedule that governs the Burnside Highway Bridge (LLNR 14955.4) across the Willamette River at mile 12.4. Multnomah County will operate the subject bridge in single leaf mode from 04 Jan 2021, through 07 Feb 2021. The West Leaf will be locked in the closed-to-navigation position from 0700 on 04 Jan to 0700 on 18 Jan 2021, during which time mariners will use the East Leaf. The East Leaf will be locked in the closed-to-navigation position from 0700 on 18 Jan to 2359 on 07 Feb 2021, during which time mariners will use the West Leaf. The horizontal clearance for a single leaf opening will be 100 feet. A service tug will be available with a two hour request. This deviation will accommodate bridge repairs and upgrades. The normal operating schedule is in 33 CFR 117.897(c)(3)(iii). The Burnside Bridge provides a vertical clearance of 41 feet above Columbia River Datum 0.0 in the closed-to-navigation position. Vessels able to pass through the bridge in the closed-to-navigation positions may do so at any time. The bridge's operational leaf will be able to open for emergencies, and there is no immediate alternate route for vessels to pass. In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the designated time period. For more information contact Tye Aldana at (503) 708-1890 or tye.l.aldana@multco.us.

Chart 18526 LNM: 42/20

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

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

Columbia River navigation lock maintenance closures are:
Bonneville (RM 145) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
The Dalles (RM 191) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
John Day (RM 216) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
McNary (RM 292) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
Snake River navigation lock maintenance closures are:
Ice Harbor (RM 9.7) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
Lower Monumental (RM 41.6) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
Little Goose (RM 70.3) – 0600 on 06 Mar 2021 to 2359 on 21 Mar 2021
Lower Granite (RM 107.3) – 0600 on 06 Mar 2021 to 2359 on 28 Mar 2021

For additional information regarding Bonneville, The Dalles and John Day lock maintenance closures, contact Portland District, Operations Division

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

Charts: 18532 18533 18535 18539 18541 18545 18546 18547 LNM: 42/20

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

The Muckleshoot Tribe is conducting their commercial salmon fishery in Elliott Bay, east of a line drawn from Pier 91 to Duwamish Head Light (LLNR 16910), and on the lower Duwamish River from Elliott Bay up to the Highway 99 Bridge, on the following schedule:
Opens 0800 on 21 Oct, closes at 1200 on 23 Oct 2020 (this opening is Elliot Bay area only);
Opens 0800 on 25 Oct, closes at 1800 on 26 Oct 2020;
Opens 0800 on 28 Oct, closes at 1200 on 30 Oct 2020;
Opens 0800 on 01 Nov, closes at 1800 on 02 Nov 2020;
Opens 0800 on 04 Nov, closes at 1200 on 06 Nov 2020;
Opens 0800 on 08 Nov, closes at 1800 on 09 Nov 2020;
Opens 0800 on 11 Nov, closes at 1200 on 13 Nov 2020;
Opens 0800 on 15 Nov, closes at 1800 on 16 Nov 2020;
Opens 0800 on 18 Nov, closes at 1200 on 20 Nov 2020;
Opens 0800 on 22 Nov, closes at 1200 on 25 Nov 2020;
For more information, contact Coast Guard Sector Puget Sound Waterways Management at (206) 217-6051 or the Muckleshoot Tribal Enforcement at (253) 876-2927.

Chart 18450 LNM: 42/20

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

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

Chart 18548 LNM: 41/20

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

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

Chart 18447 LNM: 41/20

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
645	Yaquina Bay Approach Lighted Whistle Buoy Y	AIS INOP	18581	0959-19	50/19	
689	NOAA Environmental Lighted Buoy 46089	MISSING	18003	0695-20	41/20	
765.45	DART Tsunami Warning Lighted Buoy 46452	ADRIFT	18003	1009-18	49/18	
765.5	NOAA Environmental Lighted Buoy 46005	LT EXT	18007	0197-20	08/20	
8635	Chetco River Entrance Light 9	STRUCT DEST/TRLB	18602	0248-19	15/19	
9230	**Umpqua River Entrance Lighted Buoy 2**	**OFF STA**	**18584**	**0785-20**	**45/20**	

9520	Siuslaw River Channel Light 14	STRUCT DEST/TRLB	18583	0764-18	37/18
9575	Yaquina Bay Approach Lighted Whistle Buoy Y	AIS INOP	18581	0959-19	50/19
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	AIS INOP	18581	0959-19	50/19
9595	Yaquina Bay Entrance V-AIS 2	AIS INOP	18581	0959-19	50/19
9600	Yaquina Bay Entrance Lighted Buoy 3	AIS INOP	18581	0959-19	50/19
9605	Yaquina Bay South Jetty Light 4	AIS INOP	18581	0959-19	50/19
9608	Yaquina Bay North Jetty V-AIS 5	AIS INOP	18581	0959-19	50/19
9846	Garibaldi Channel Light 11	STRUCT DEST/TRLB	18558	0849-18	40/18
9850	Garibaldi Channel Light 12	STRUCT DEST/TRLB	18558	0694-20	41/20
10400	Clifton Dike Light 42	LT EXT/DAYMK MISSING	18523	0277-20	15/20
10975	Martin Island Dike Light 63	STRUCT DMGD	18524	0511-18	24/18
11510	Lady Island Upper Range Front Light	LT IMCH/DAYMK IMCH	18531	0722-20	42/20
12980	Lake Wallula West Channel Junction Light W	STRUCT DEST/TRLB	18542	0208-20	09/20
14435	Baker Bay West Channel Daybeacon 7	STRUCT DEST/TRUB	18521	0739-17	35/17
15040	Oswego Rock Daybeacon	STRUCT DEST/TRUB	18528	0394-17	20/17
15210	Willapa Bay Entrance Light 13	STRUCT DEST	18504	0839-16	38/16
16071.25	Hoquiam River Obstruction Buoy	MISSING	18502	0178-20	08/20
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	RAC INOP	18471	0473-20	30/20
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20
19457	Rosario Strait Lighted Buoy 11	MISSING	18429	0679-20	40/20
19974	International Boundary Light F	DAYMK MISSING	18421	0719-20	42/20
19975	International Boundary Light G	LT EXT/DAYMK MISSING	18421	0720-20	42/20
19976	International Boundary Light H	DAYMK DMGD	18421	0721-20	42/20

DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

None

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10944	Kalama Shoal Isolated Danger Light Buoy K	BUOY DMGD	18524	0704-20	42/20	
16300	Ediz Hook Salmon Pen Light A	MISSING	18468	0593-20	36/20	
16307	Ediz Hook Salmon Pen Light B	MISSING	18468	0593-20	36/20	
17158	Tacoma Outfall Lighted Buoy	OFF STA	18453	0743-20	43/20	
18845	La Conner Marina North Basin Light	LT IMCH	18427	0671-20	40/20	
19173	**Deepwater Bay North Fish Pen Lights (2)**	**MISSING**	**18427**	**0784-20**	**45/20**	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
17126	Tacoma Harbor Regulatory Buoys (3)	RESET ON STATION	18453	0781-20	32/20	45/20

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	
9850	Garibaldi Channel Light 12	TRLB	18558	0703-20	42/20	
12980	Lake Wallula West Channel Junction Light W	TRLB	18542	0214-20	10/20	
14435	Baker Bay West Channel Daybeacon 7	TRUB	18521	0755-17	35/17	
15040	Oswego Rock Daybeacon	TRUB	18528	0404-17	20/17	
19120	Swinomish Channel North Entrance Light 18	TRLB	18427	0573-20	35/20	

TEMPORARY CHANGES CORRECTED

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

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)

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

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

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

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

Charts: 18524 18525 LNM: 52/19

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

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

Chart 18480 LNM: 49/19

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

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

Proposed Change Notice(s)

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

The U.S. Coast Guard is proposing to change the lighting characteristics of Government Island Range Front Light and Government Island Range Rear Light as listed below:

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

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

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

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

Chart 18531 LNM: 38/20

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: 45/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 45/20

SUMMARY OF MARINE EVENTS

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

LNM: 45/20

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

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

to the operation of the lift. Mariners are requested to use slow speed to minimize wake. Interested parties can contact the on-site construction manager, Craig Gries at (503) 580-6319 or email at cgries@orstbridge.com

Chart 18521 LNM: 10/19

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS - COWLITZ RIVER – I-5 Twin Bridge notice

WSDOT will be conducting preservation and painting work on the I-5 Twin Bridge across the Cowlitz River at mile 31.4 near Toledo, Washington. The project will begin on 23 Jul 2020 and continue until approximately Jul 2021, weather pending. The working hours will be 0700 to 1600, and from 2000 to 0700. Containment and an Under Bridge Inspection Truck will reduce the vertical clearance by three feet. The subject bridge's vertical clearance at high water is 15 feet, and will be reduced to 12 feet. The containment will be marked with flashing amber lights. The project will involve rigging, sand blasting and painting. Mariners should be cautious of fall hazards. For more information, contact Joanna Lowery at lowreyj@wsdot.wa.gov, or Lefty Helidonis at (330) 280-2879.

LNM: 28/20

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Bridge maintenance notice

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

Charts: 18526 18531 LNM: 40/20

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

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

Chart 18447 LNM: 33/19

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

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

Chart 18447 LNM: 31/20

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

Construction has started on the West Sammamish River Bridge at Sammamish River mile 0.5 near Kenmore, Washington, and will continue through October 2023. The western bridge will be removed and a new bridge constructed. Mariners may transit through the construction zone, but are advised that temporary work piers will be constructed on the west side of the bridge, and will reduce the horizontal span to 40 feet of clearance. Containment will be installed under the bridge reducing the vertical clearance from 11.5 feet to 10.5 feet measured at OHW. Working hours will normally be from 0700 to 1600 five days per week. If construction falls behind schedule, the work hours may shift to 24 hours/seven days per week. For more information regarding construction, contact Jake Brockmoller at (253) 888-2514, or Mick Cannon at (253) 377-1041.

Chart 18447 LNM: 13/20

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

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

Chart 18427 LNM: 34/20

SNAKE RIVER – OREGON AND IDAHO – BROWNLEE TO SWAN FALLS – Gamble Island Bridge replacement project (Revised from LNM 37/20)

McAlvain Construction (MCI) will be conducting bridge construction in the Snake River (Snake RM 386). Operations include pile driving, bridges replacement and existing bridges removal. Onsite work is expected to occur from 28 Sep 2020 to 01 Jun 2021. MCI will be utilizing an over the water temporary platform for construction operations during the working hours of 0700 through 1800, Monday through Saturday. The temporary platform will remain on-station during non-working hours. Accessible vessel navigation channels through the existing bridge and new bridges will be illuminated at night by red, green & amber lights as well as reflective direction arrows fixed to bridges. Mariners are asked to use the east channel around Gamble Island. Within bridge construction area transit the area with extreme caution and minimize wake. Within Main Channel bridge there will be navigational clearances of 30 feet wide and 10 feet in height. Within Side Channel bridge there will be navigational clearances of 30 feet wide and 6 feet in height. Please contact Brian Murphy at (208) 871-1576 or email brianm@mcalvain.com or Brian Lemmon at (208) 871-4670 with

SNAKE RIVER – OREGON AND IDAHO – BROWNLEE TO SWAN FALLS – Gamble Island Bridge replacement project (Revised from LNM 37/20)

questions.

LNM: 38/20

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

The USACE Portland and Walla Walla Districts will implement the winter seasonal lockage schedule, from 21 Sep 2020 to 16 May 2021, for the passage of recreational craft through the Columbia and Snake River navigation locks. Winter recreational vessel lockage will be made during daylight hours only, on request at each lock – vessels should contact the lock operator via VHF-FM channel 14 or commercial telephone, and should make their request at least 30 minutes in advance.

Lock Name	Location	Phone Number	Radio Call Sign
Bonneville Lock	Columbia River Mile 145.5	(541) 374-8323	WUJ 33
The Dalles Lock	Columbia River Mile 191.5	(541) 298-4007	WUJ 34
John Day Lock	Columbia River Mile 215.6	(541) 298-9712	WUJ 35
McNary Lock	Columbia River Mile 292	(541) 922-2231	WUJ 41
Ice Harbor Lock	Snake River Mile 9.7	(509) 543-3253 x231	WUJ 42
Lower Monumental Lock	Snake River Mile 41.6	(509) 282-7231	WUJ 43
Little Goose Lock	Snake River Mile 70.3	(509) 399-2233 x231	WUJ 44
Lower Granite Lock	Snake River Mile 107.5	(509) 843-1493 x231	WUJ 45

Commercial vessels continue to have lockage precedence over recreational vessels. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial vessels. All vessel owner/operators lock through at their own risk. All persons in the vessel must be wearing a personal flotation device (PFD) during lockage. Follow the directions of the lock operator when using locks or operating in the vicinity of the locks. The lock operator has final authority on the suitability of a craft for lockage. Please refer to USACE Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers, published separately, for safety requirements. For safety and additional information on navigation lock operations and schedules visit http://www.nww.usace.army.mil/Missions/Navigation.aspx. or call the USACE Walla Walla Operations Division at (509) 527-7112.

Charts: 18532 18533 18535 18536 18537 18539 18541 18545 18546 18547

LNM: 37/20

SNAKE RIVER – LAKE SACAJAWEA AND LAKE HERBERT G. WEST AND LAKE BRYAN – Upstream floating guidewall restrictions (Revised from LNM 16/20)

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

- Ice Harbor Lock and Dam, Snake River Mile 9.7; vessels may not tie up to or rub against the upstream floating guidewall when approaching or leaving the lock, nor may they use the guidewall as a pivot for entering the lock.
- Lower Monumental Lock and Dam, Snake River Mile 41.6, vessels may not tie up to or rub against the floating guidewall when approaching or leaving the lock, nor should they use the guidewall as a pivot point for entering the lock.
- Little Goose Lock and Dam, Snake River Mile 70.3, vessels may not tie up to or rub against the upstream floating guidewall when approaching or leaving the lock, nor may they use the guidewall as a pivot for entering the lock.

These restrictions will remain in place until more substantial repairs can be made to the locks' floating guidewall cables. For additional information on this work, contact the NWW Operations Division at (509) 527-7364.

Charts: 18545 18546 18547

LNM: 24/20

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

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

Chart 18447

LNM: 38/20

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

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

Chart 18548

LNM: 37/20

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

The Coast Guard is conducting a user survey in the Puget Sound from Admiralty Inlet south to Dalco Passage and Commencement Bay. The Coast Guard uses the Waterways Analysis and Management System (WAMS) to validate the adequacy of the existing aids to navigation (AtoN) system, as well as to get a better understanding of the uses of each waterway and general safety issues. WAMS focuses on the waterway's present AtoN system, marine casualty information, port and harbor resources, changes in recreational and commercial marine vessel usage and future development and dredging projects. The survey is available at the Coast Guard District 13 WAMS website https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Divisions/-dpw/-wams. The deadline for survey comments will be 20 Nov 2020. For additional information please contact LTJG Katie Matha at (206) 220-7283 or email D13-SMB-D13-DPW@uscg.mil.

Charts: 18446 18449 18450 18453 18474

LNM: 30/20

WASHINGTON – PUGET SOUND – ELLIOTT BAY - Colman Dock construction

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

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

Chart 18443 LNM: 30/20

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

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

Manson Construction will be conducting pier demolition and construction activities in Hood Canal on Navy Base Kitsap Bangor from 17 July 2020 through Jun 2022. The project will consist of demolition of existing pier, pile driving and construction of a 500' pier extension. Operations will Monday through Friday 0600 – 1630. There will be a derrick on site and a pile driver barge with multiple barges and a work skiff. Bangor Control Tower will be using VHF-FM channel 88A. Mariners are requested to reduce speed and minimize wake in the area for the safety of the personnel and equipment. For more information contact the US Navy POC Dennis Wiechmann at (360) 315-4084 email dennis.e.wiechmann@navy.mil or the Manson Construction superintendent Brian Dorning at (206) 718-8626.

Charts: 18458 18476 LNM: 28/20

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

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

LNM: 03/20

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	
11835	*Bonneville Pool Lighted Buoy 16*	45-41-30.691N 121-52-03.535W	Fl R 2.5s		4	Red.		45/20

*

ENCLOSURES

Enclosure 1

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

LNM: 45/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 45/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 45/20

Enclosure 4

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – LADY ISLAND – Dredging disposal barge

LNM: 44/20

Enclosure 5

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Construction Diagram

LNM: 44/20

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						
	9125	Chandler Highway Bridge	Coos Bay, OR	East center channel green light extinguished	10/27/2020	0757-20
	9367	Reedsport Highway 101 Bridge	Reedsport, OR	Multiple Lights extinguished	10/27/2020	0756-20
COLUMBIA RIVER						
None						
SNAKE RIVER						
	13057	US395 12 Blue Highway Bridge	Kennewick, WA	All lights extinguished	11/7/2020	0779-20
	13617	Sergeant Railroad Bridge	Starbuck, WA	All pier lights are extinguished	10/24/2020	0744-20
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						
	18184	George Washington Street Bridge	Lake Washington Ship Canal	Watching Properly	11/9/2020	None
	18230	I-5 Highway Bridge	Lake Washington Ship Canal	Watching Properly	11/9/2020	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
5-Oct-20	30-Nov-20	24 Hrs/7 Days	Coos Bay; South Slough Charleston Marina	M/V The Laura	Ms. SoCo	VHF-FM 13, 16, 69	Site G	39/20
31-Oct-20	31-Dec-20	24 Hrs/7 Days	Columbia River; Hammond Marina (RM 8.5)	N/A	None	VHF-FM 16 & 17	IW RM 9	42/20
11-Nov-20	12-Nov-20	24 Hrs/7 Days	Columbia River; Pillar Rock (RM 25+45 to 26+20)	M/V Essayons	None	VHF-FM 13 &16	RM 24.0 WA side	45/20
12-Nov-20	13-Nov-20	24 Hrs/7 Days	Columbia River; Wauna-Driscoll Ranges (RM 42+00 to 42+40)	M/V Essayons	None	VHF-FM 13 &16	RM 44.5 WA side	45/20
13-Nov-20	15-Nov-20	24 Hrs/7 Days	Columbia River; Wauna/Westport RM 43+50 to 46+10)	M/V Essayons	None	VHF-FM 13 &16	RM 44.5 WA side	45/20
15-Nov-20	17-Nov-20	24 Hrs/7 Days	Columbia River; Eureka Bar (RM 48+10 to 48+45)	M/V Essayons	None	VHF-FM 13 &16	RM 44.5 WA side	45/20
17-Nov-20	18-Nov-20	24 Hrs/7 Days	Columbia River; Eureka/Gull Island (RM 51+20 to 52+10)	M/V Essayons	None	VHF-FM 13 &16	RM 44.5 WA side	45/20
4-Nov-20	11-Nov-20	24 Hrs/7 Days	Columbia River; Port of Longview	M/V Heidi Renee	James T	VHF-FM 13, 16, 72	RM 62, 62.7	45/20
12-Nov-20	20-Nov-20	24 Hrs/7 Days	Columbia River; Old Cowlitz Channel (RM 67.5)	M/V Heidi Renee	James T	VHF-FM 13, 16, 72	RM 56, 73	45/20
12-Oct-20	17-Nov-20	24 Hrs/7 Days	Columbia River; Cottonwood Island (RM 69+10 to 70+00)	M/V Oregon	Clackmas, Ivanhoff, Williams	VHF-FM 13 &16	TBD	45/20
10-Nov-20	12-Nov-20	24 Hrs/7 Days	Columbia River; Henrici Bar (RM 90+20 to 93+50)	M/V Yaquina	None	VHF-FM 13 &16	RM 90-94 WA and OR side	45/20
9-Nov-20	10-Nov-20	24 Hrs/7 Days	Columbia River; Willow Bar (RM 93+50 to 98+15)	M/V Yaquina	None	VHF-FM 13 &16	RM 95-98 WA and OR side	45/20
12-Nov-20	13-Nov-20	24 Hrs/7 Days	Columbia River; Vancouver Bar (Anchorage Area)	M/V Yaquina	None	VHF-FM 13 &16	RM 101.3 WA side	45/20
13-Nov-20	17-Nov-20	24 Hrs/7 Days	Columbia River; Vancouver Bar (RM 103+05 to 104+32)	M/V Yaquina	None	VHF-FM 13 &16	RM 101.3 WA side	45/20
6-Nov-20	28-Feb-21	24 Hrs/7 Days	Columbia River; Lady Island (RM 118 to 119)	Dredge Moray	None	VHF-FM 78	RM 118.5 OR Side	45/20
22-Sep-20	20-Nov-20	24 Hrs/7 Days	Quillayute River; Inner channel, Boat Basin	M/V Renegade	Buccaneer	VHF-FM 13, 16, 79	Various	43/20
12-Oct-20	31-Dec-20	24 Hrs/7 Days	Puget Sound; Admiralty Inlet, Keystone Harbor	M/V Palouse	Skagit, Dungeness	VHF-FM 13 &16	Ashore	39/20
16-Nov-20	1-Dec-20	12 Hrs/7 Days	Puget Sound; Des Moines Marina	M/V Mukilteo	None	VHF-FM 13 & 14	Commencement Bay	44/20

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 Scheduled	

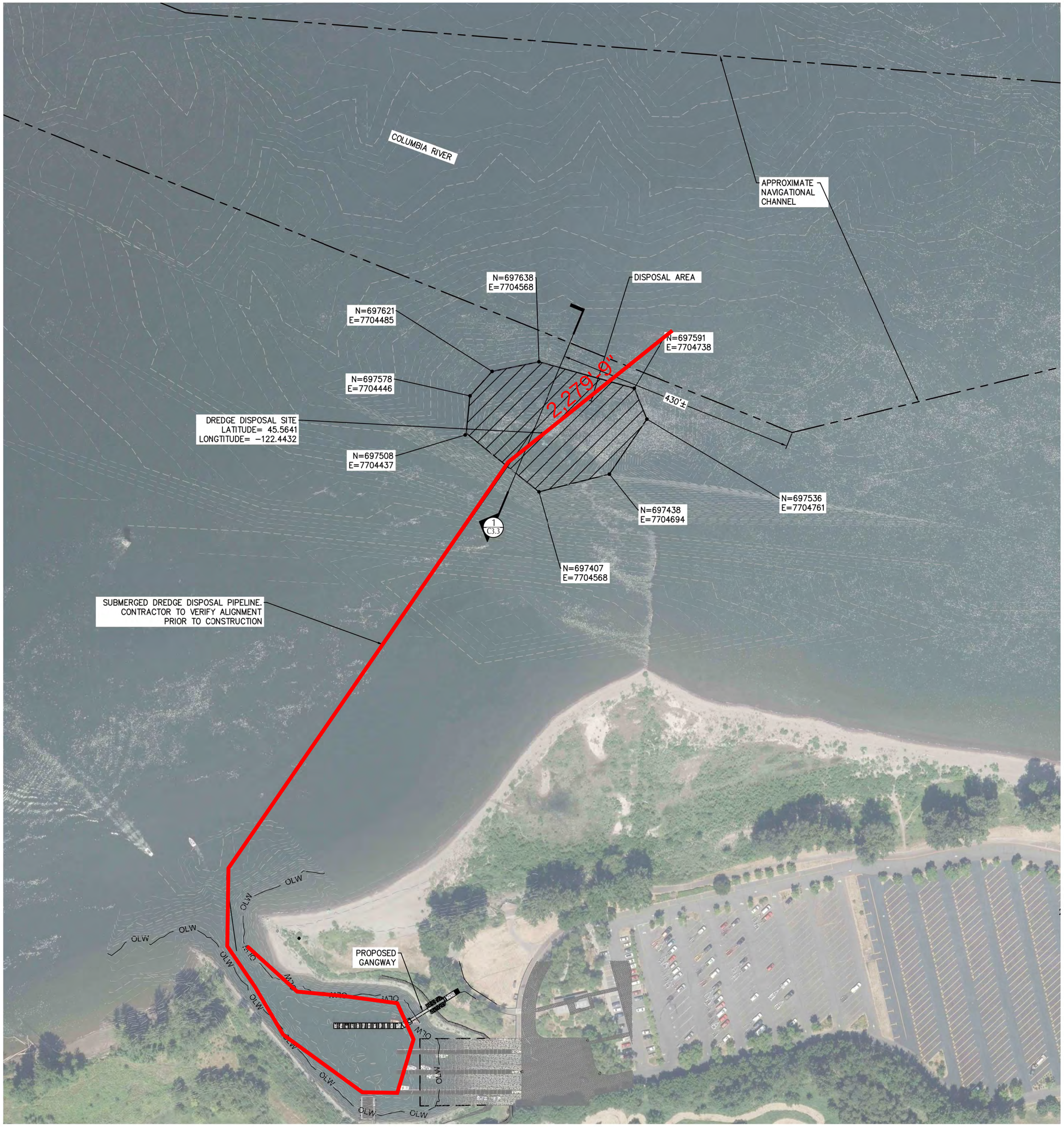
SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
14-Nov-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
14-Nov-20	1000-1800	Fowl Weather Regatta	Sinclair Inlet
14-Nov-20	1000-1600	CYCS Turkey Bowl	Shilshole Bay
21-Nov-20	1000-1600	Milltown Sailing Association Sailboat Races	Port Gardner
21-Nov-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay

As of: 11/10/2020

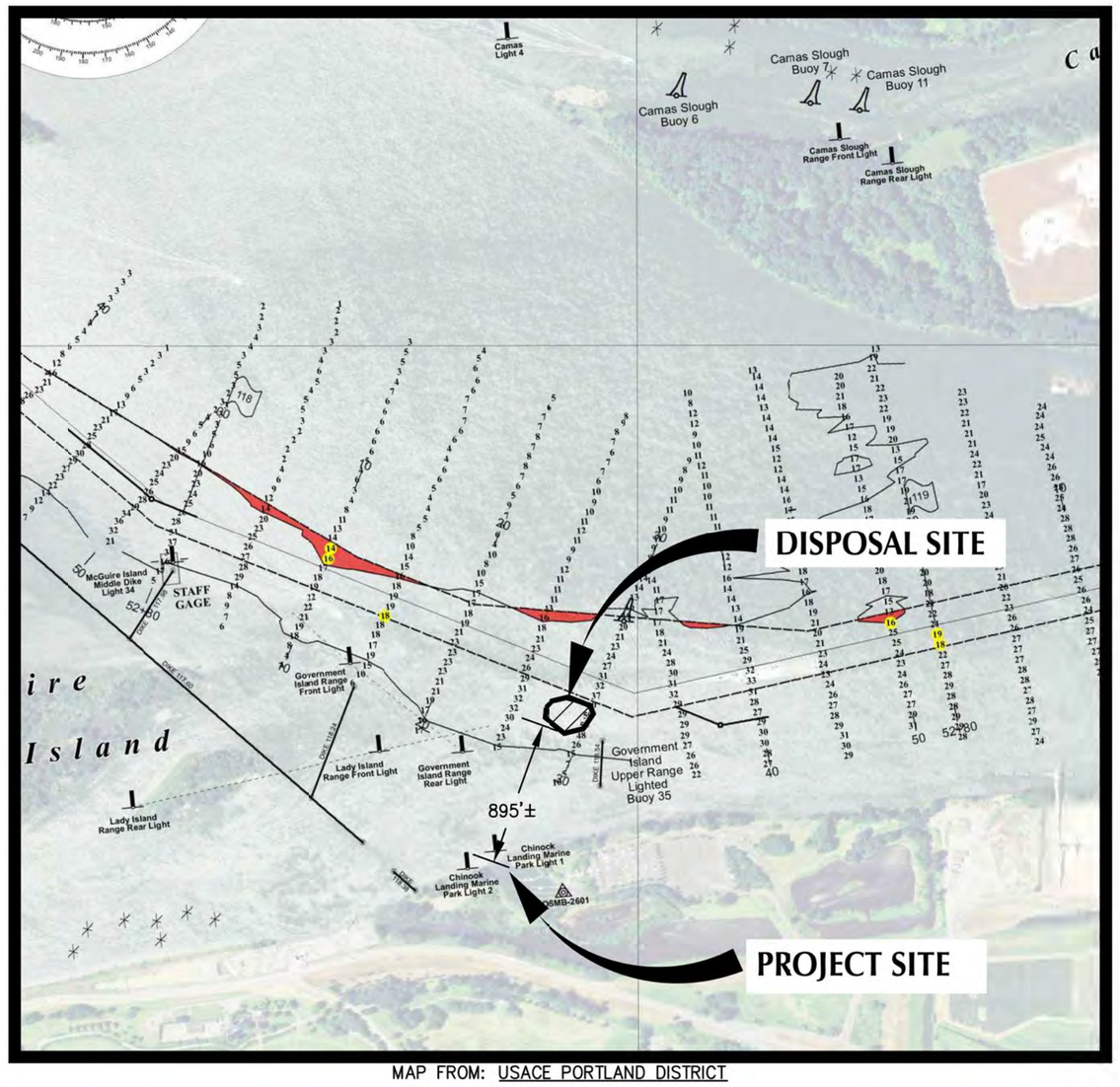
FINAL DESIGN

Chinook Landing Disposal Barge



NOTES

1. ELEVATIONS ARE BASED ON US ARMY CORPS POINT FILES (LADY ISLAND RIDGES), COLUMBIA RIVER DATUM. SURVEYED ON JUNE 1, 2018.
2. CONTRACTOR IS RESPONSIBLE FOR MEETING WATER QUALITY STANDARDS OF THE DISCHARGE TO THE RIVER. UPGRADE DISPOSAL PLAN AND/OR PROVIDE ADDITIONAL FACILITIES AS REQUIRED.
3. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND IMPLEMENTING ALL REQUIRED TURBIDITY MONITORING AND RECORDING.



MAP FROM: USACE PORTLAND DISTRICT

VICINITY MAP

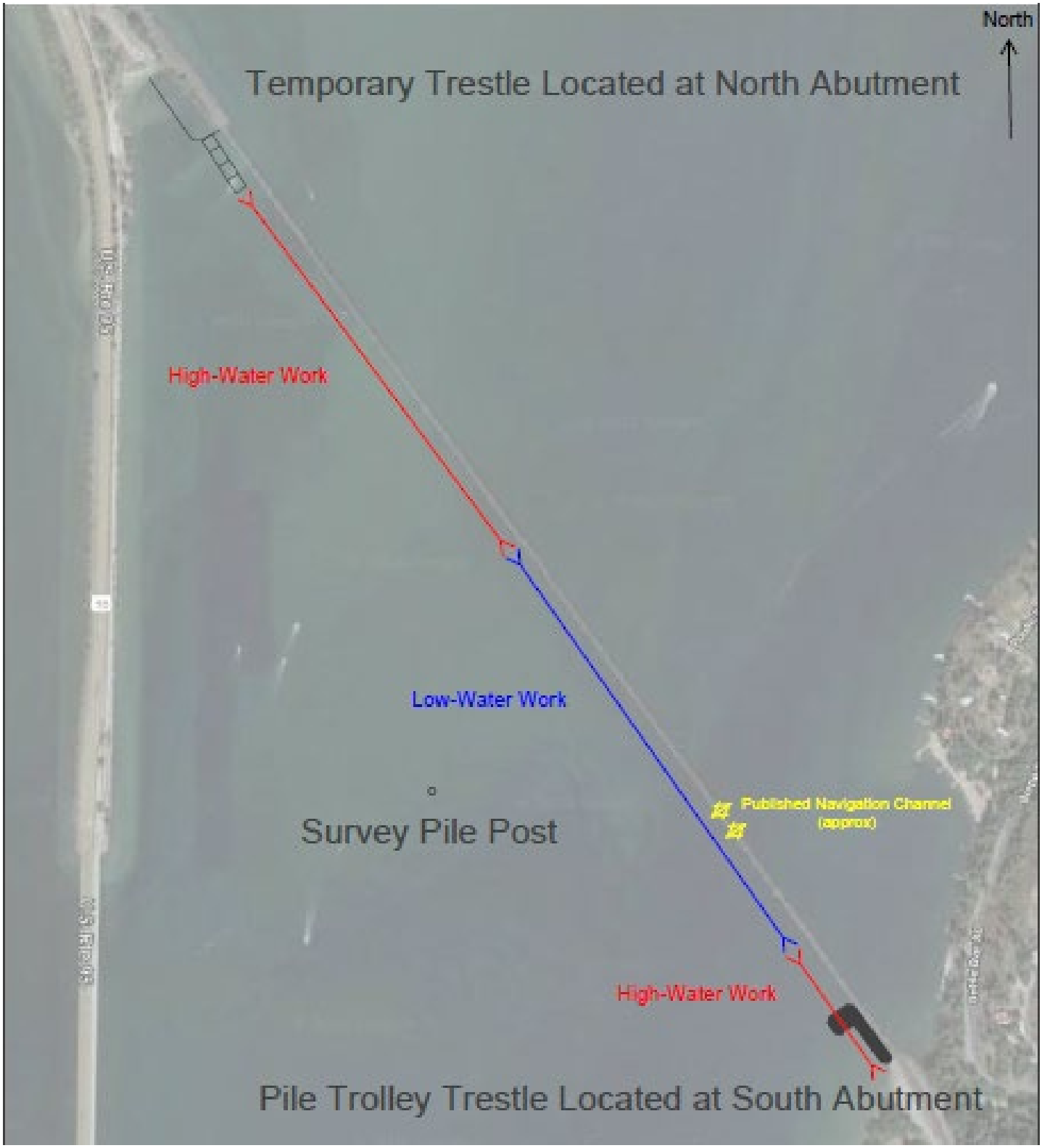
SCALE: 1" = 400'

NOTE:

1. VICINITY MAP, FOR VISUAL REFERENCE ONLY, WAS TAKEN FROM USACE BATHYMETRIC SURVEY DATED JUNE 1, 2018.

SCALE 1 INCH = 100 FEET

100 0 100 200

Enclosure (4)

BNSF Lake Pend Oreille Low-Water Fall/Winter 2020 thru Spring 2021 Work Overview