U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS

District: 13 Week: 47/20

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067
Telephone: (206) 220-7280
Email: D13-SMB-D13-LNM@uscg.mil
https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/
https://www.navcen.uscg.gov/?pageName=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	D13-0809-20	D13-0828-20

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 – Unauthorized use of AIS to mark and track fishing gear

The Federal Communications Commission (FCC) has observed a significant number of unauthorized devices utilizing radio frequencies assigned to Automatic Identification Systems (AIS). Specifically, devices advertised and operated to mark and track fishing gear using AIS, such as fishing net buoys, are not authorized under FCC rules. The sale and or use of noncompliant AIS devices is illegal and may disrupt important maritime safety communications. Sellers and operators of noncompliant AIS equipment may be subject to substantial monetary fines. FCC Enforcement Advisory 2018-04 is attached to this LNM as Enclosure (6) and provides additional information.

LNM: 47/20

COLUMBIA RIVER – BLALOCK ISLANDS TO MCNARY DAM – LAKE UMATILLA – Marine construction

Advanced American Construction will be performing work on the AgriNorthwest Inc. Prior Farm Pump Station at approximate river mile 284.5 from 18 Dec 2020 through 16 Mar 2021. Work includes pile driving, micropile install and diving. A drilling barge (40'x80') will be positioned adjacent to the pump station. 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 barge will have steady white lights on all four corners at night. For additional project information please contact Shad Huber at (360) 953-4833.

Chart 18539 LNM: 47/20

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BELLINGHAM BAY – Scientific research buoy

The US Geological Survey will deploy and maintain a research buoy in central Bellingham Bay approximately 1.7 nautical miles WSW of Squalicum Harbor in position 48-44-40.320N, 122-32-57.180W, from Nov 2020 until Apr 2021. The yellow research buoy is 2 feet in diameter, sits 1 feet above the water surface and has a red light flashing light every 2.5 seconds. Two red marker buoys flank the research buoy. Mariners are requested to use caution and avoid the area. For additional information, contact Dr. Eric Grossman at (360) 650-4697.

Chart 18424 LNM: 47/20

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT - Mouth of the Columbia River Jetty System Major Rehabilitation Project (Revised from LNM 20/20)

Scheduled repairs of the South Jetty have commenced and are planned to continue through 2024. All work has been suspended for the winter and operations will begin again in Spring 2021. For additional information on this project contact Sherri Brenner at (503) 550-6743 and email Sheri@jemcamis.com or the Project Superintendent Aaron Anderson at (503) 791- 2161 and email AAnderson@jemcamis.com.

The jetties at the Columbia River Entrance have suffered severe deterioration and may no longer be correctly represented upon the nautical charts of the area. Mariners should use caution when transiting in the vicinity of the jetties and the river entrance. Repairs of the North jetty were completed in 2019. More information may be found at the USACE Portland District web site: http://www.nwp.usace.army.mil/jetties/.

Chart 18521 LNM: 46/20

WASHINGTON – PUGET SOUND – APPLE COVE TO POINT KEYPORT – Temporary lighted buoy deployed

NOAA's Pacific Marine Environmental Laboratory deployed a temporary research lighted buoy on 16 Nov 2020 to the west of Carkeek Park at approximate position 47-42-29.040N, 122-23-41.860W. The buoy is yellow, round and marked with a flashing yellow four seconds (FL Y 4s) light. This buoy is scheduled to be removed in mid January 2021. For more information contact Cabot Zucker at (561) 972-0930 or email at cabot.zucker@noaa.gov.

Chart 18446 LNM: 46/20

WASHINGTON – PUGET SOUND – APPLE COVE TO POINT KEYPORT – Subsurface research platform deployed

On 16 Nov 2020, NOAA's Pacific Marine Environmental Laboratory deployed a subsurface research platform on the seafloor just to the north of Meadows Point in approximate position 47-42-20.680N, 122-23-57.710W in 128 feet of water. The platform is 4 ft x 3 ft and extends 3 ft off the

seabed. It is scheduled to be removed 08 Jan 2021. Mariners are requested to avoid anchoring or any other activity that would disturb or damage the instrumented research platform. For more information contact Cabot Zucker at (561) 972-0930 or e-mail at cabot.zucker@noaa.gov.

Chart 18446 LNM: 46/20

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

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

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

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
689	NOAA Environmental Lighted Buoy 46089	MISSING	18003	0695-20	41/20	
756	**Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA**	**MISSING**	**18485**	**0828-20**	**47/20**	
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	
8794	Coos Bay Channel Lighted Buoy 6A	SINKING/LT EXT/TRUB	18587	0802-20	46/20	
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	
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	
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	
15785	**Grays Harbor North Channel Range F Front Light**	**REDUCED INT**	**18502**	**0821-20**	**47/20**	
16071.25	Hoquiam River Obstruction Buoy	MISSING	18502	0178-20	08/20	
16136	**Strait of Juan De Fuca Traffic Separation Lane Lighted Buoy JA**	**MISSING**	**18485**	**0828-20**	**47/20**	

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
19535	**Rosario Strait Traffic Separation Lane Lighted Buoy CA**	**MISSING**	**18430**	**0814-20**	**47/20**
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
645	Yaquina Bay Approach Lighted Whistle Buoy Y	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9250	Umpqua River Regulated Navigation Area Warning Sign	RELIGHTED	18584	0811-20	46/20	47/20
9575	Yaquina Bay Approach Lighted Whistle Buoy Y	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9595	Yaquina Bay Entrance V-AIS 2	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9600	Yaquina Bay Entrance Lighted Buoy 3	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9605	Yaquina Bay South Jetty Light 4	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9608	Yaquina Bay North Jetty V-AIS 5	WATCHING PROPERLY	18581	0820-20	50/19	47/20
9895	Columbia River Entrance Range Front Light	RELIGHTED	18521	0810-20	46/20	47/20
9900	Columbia River Entrance Range Rear Light	RELIGHTED	18521	None	47/20	47/20

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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
10944	Kalama Shoal Isolated Danger Light Buoy K	WATCHING PROPERLY	18524	0816-20	42/20	47/20

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	
8794	Coos Bay Channel Lighted Buoy 6A	TRUB	18587	0802-20	46/20	
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

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

Chart Number | Chart Edition | Edition Date | Last Local Notice to Mariners | Horizontal Datum Reference | Source of Correction | Current Local Notice to Mariners

12327 91st Ed. 19-APR-97 Last LNM: 26/97 NAD 83 27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER
Main Panel 2245 NEW YORK HARBOR CGD01
(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W
Green can

Corrective Action | Object of Corrective Action | Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.
Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18400 51st Ed. 01-AUG-19 Last LNM: 04/19 NAD 83 47/20
ChartTitle: **Strait of Georgia and Strait of Juan de Fuca**
Main Panel 1656 STRAIT OF GEORGIA AND STRAIT OF JUAN DE FUCA - -. Page/Side: -

CGD13
CHANGE Rosario Strait Traffic Separation Lane Lighted Buoy CA at 48-45-18.384N 122-46-30.664W
add Magenta circle and label S-AIS.
Racon: M (--)

18421 53rd Ed. 01-MAR-19 Last LNM: 04/19 NAD 83 47/20
ChartTitle: **Strait of Juan de Fuca to Strait of Georgia;Drayton Harbor**
CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A

CGD13
CHANGE Rosario Strait Traffic Separation Lane Lighted Buoy CA at 48-45-18.384N 122-46-30.664W
add Magenta circle and label S-AIS.

Racon: M (--)

18430 **9th Ed.** **01-JUL-10** **Last LNM: 39/17** **NAD 83** **47/20**
ChartTitle: **Rosario Strait-northern part**
Main Panel 1683 ROSARIO STRAIT NORTH PART. Page/Side: N/A

		CGD13	
CHANGE	Rosario Strait Traffic Separation Lane Lighted Buoy CA add Magenta circle and label S-AIS.	at 48-45-18.384N	122-46-30.664W

Racon: M (--)

18431 **9th Ed.** **01-MAY-14** **Last LNM: 47/16** **NAD 83** **47/20**
ChartTitle: **Rosario Stait to Cherry Point**
Main Panel 1684 ROSARIO STRAIT TO CHERRY POINT. Page/Side: N/A

		CGD13	
CHANGE	Rosario Strait Traffic Separation Lane Lighted Buoy CA add Magenta circle and label S-AIS.	at 48-45-18.384N	122-46-30.664W

Racon: M (--)

18531 **24th Ed.** **01-DEC-17** **Last LNM: 53/19** **NAD 83** **47/20**
ChartTitle: **Columbia River Vancouver to Bonneville; Bonneville Dam**
CHART OR & WA - COLUMBIA RIVER - VANCOUVER TO BONNEVILLE. Page/Side: N/A

		CGD13	
CHANGE	Washougal Light 50 Nominal range to 4M.	at 45-34-06.981N	122-21-19.981W

18587 **71st Ed.** **01-APR-11** **Last LNM: 43/19** **NAD 83** **47/20**
ChartTitle: **Coos Bay**
Main Panel 1796 COOS BAY. Page/Side: N/A

		CGD13	
RELOCATE	Coos River Channel Buoy 3	from 43-22-37.890N	124-10-44.310W
		to 43-22-37.446N	124-10-42.270W

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 – SIUSLAW RIVER – Construction of fixed Aids to Navigation

The U.S. Coast Guard will be rebuilding the wooden and damaged aids to navigation in the Siuslaw River commencing late November or December of 2020. There will be no significant changes in lighting, dayboard characteristic or in the positions of these structures with the following noted exception. The following aids to navigation that are being rebuilt are as follows:

Siuslaw River Channel Light 13 (LLNR 9510), being relocated to approximate position 44-00-05.825N 124-07-22.764W on the channel side of the breakwater at USCG Station Siuslaw River, and the light is being changed to show a high intensity beam 1.5° each side of the southern channel line, and visible all-around.

Siuslaw River Channel Light 14 (LLNR 9520)
Siuslaw River Dike Daybeacon 16 (LLNR 9535)
Siuslaw River Dike Daybeacon 20 (LLNR 9540)
Siuslaw River Dike Daybeacon 22 (LLNR 9545)
Siuslaw River Channel Daybeacon 25 (LLNR 9555)
Siuslaw River Channel Daybeacon 28 (LLNR 9565)
Siuslaw River Channel Daybeacon 29 (LLNR 9570)

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 North Bend.

Chart 18583 LNM: 46/20

OREGON – TILLAMOOK BAY – GARIBALDI CHANNEL - Construction of fixed Aids to Navigation

The U.S. Coast Guard will be rebuilding the damaged aids to navigation in Tillamook Bay commencing late November or December of 2020. There will be no changes in lighting or dayboard characteristic. There will be no significant changes in the positions of these structures. The following aids to navigation that are being rebuilt are as follows:

Garibaldi Channel Light 10 (LLNR 9840)

Garibaldi Channel Light 11 (LLNR 9846)
Garibaldi Channel Light 12 (LLNR 9850)
Garibaldi Channel Light 13 (LLNR 9851)
Garibaldi Channel Light 14 (LLNR 9856)
Garibaldi Channel Light 19 (LLNR 9870)

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 18558 LNM: 46/20

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

The U.S. Coast Guard is permanently disestablishing 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 southeast 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).

Chart 18531 LNM: 46/20

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

Upon the completion of the new range structure for Government Island and Lady Island Front Range lights, the U.S. Coast Guard is changing 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: 46/20

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

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)

None

SECTION VII - GENERAL

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

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS

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

LNM: 47/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 47/20

SUMMARY OF MARINE EVENTS

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

LNM: 47/20

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 – 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

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

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

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 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

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 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

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

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

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

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

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

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.

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

Chart 18548 LNM: 37/20

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 – 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 – 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 – 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

WASHINGTON – PUGET SOUND – HOOD CANAL – Pier construction

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

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	
9105	Coos River Channel Buoy 3	43-22-37.446N 124-10-42.270W				Green can.	Position frequently shifted with changing conditions.	47/20
11545	WASHOUGAL LIGHT 50	* 45-34-06.981N 122-21-19.981W	Fl R 2.5s	36	4	TR on dolphin.		47/20
19535	*Rosario Strait Traffic Separation Lane Lighted Buoy CA*	48-45-18.384N 122-46-30.664W	Fl Y 2.5s		* 5	Yellow.	RACON: M (- -) AIS: MMSI 993692209 (21). *	47/20

ENCLOSURES

Enclosure 1

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

LNM: 47/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 47/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 47/20

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

Enclosure 6

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BELLINGHAM BAY – Scientific research buoy

LNM: 47/20

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						
	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						
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
23-Nov-20	31-Dec-20	12 Hrs/7 Days	Columbia River; Port of Vancouver, T2 & T3 (RM 102)	M/V Sea Horse	Husky	VHF-FM 13, 16, 67	RM 101.7	47/20
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
5-Dec-20	30-Jan-21	24 Hrs/7 Days	Snohomish River, Everett	M/V Heidi Renee	James T	VHF-FM 14, 16, 72	Port Gardner	46/20

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
4-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, North Portland Harbor, OR
5-Dec-20	1800-2100	Portland Christmas Ships	Columbia River, Port of Camas-Washougal Marina Park, WA
8-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, I-5 Bridge / Hayden Bay, OR
8-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Johns Landing Fremont Bridge, OR
9-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, Washington Shores, WA Wintler Park, OR
9-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Oregon Yacht Club Milwaukie, OR
10-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, I-5 Bridge / Hayden Bay, OR
10-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Johns Landing Fremont Bridge, OR
11-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, North Portland Harbor, OR
11-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Oregon Yacht Club Milwaukie, OR
12-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, St.Helens,OR Woodland, WA
13-Dec-20	1630-2100	Portland Christmas Ships	Multnomah Channel, Scappoose, OR Willamette River
16-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, Washington Shores, WA Wintler Park, OR
16-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Oregon Yacht Club Milwaukie, OR
17-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, I-5 Bridge / Hayden Bay, OR
17-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Johns Landing Fremont Bridge, OR
18-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, Gleason Boat Ramp, OR Steamboat Landing, WA
18-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Oregon Yacht Club Milwaukie, OR
19-Dec-20	1630-2000	Portland Christmas Ships	Willamette River, Oregon Yacht Club Lake Oswego, OR
20-Dec-20	1700-1930	Portland Christmas Ships	Willamette River, Riverplace St. Johns Bridge, OR
21-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, I-5 Bridge / Hayden Bay, OR
21-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Oregon Yacht Club Milwaukie, OR
22-Dec-20	1900-2100	Portland Christmas Ships	Columbia River, North Portland Harbor, OR
22-Dec-20	1900-2100	Portland Christmas Ships	Willamette River, Johns Landing Fremont Bridge, OR

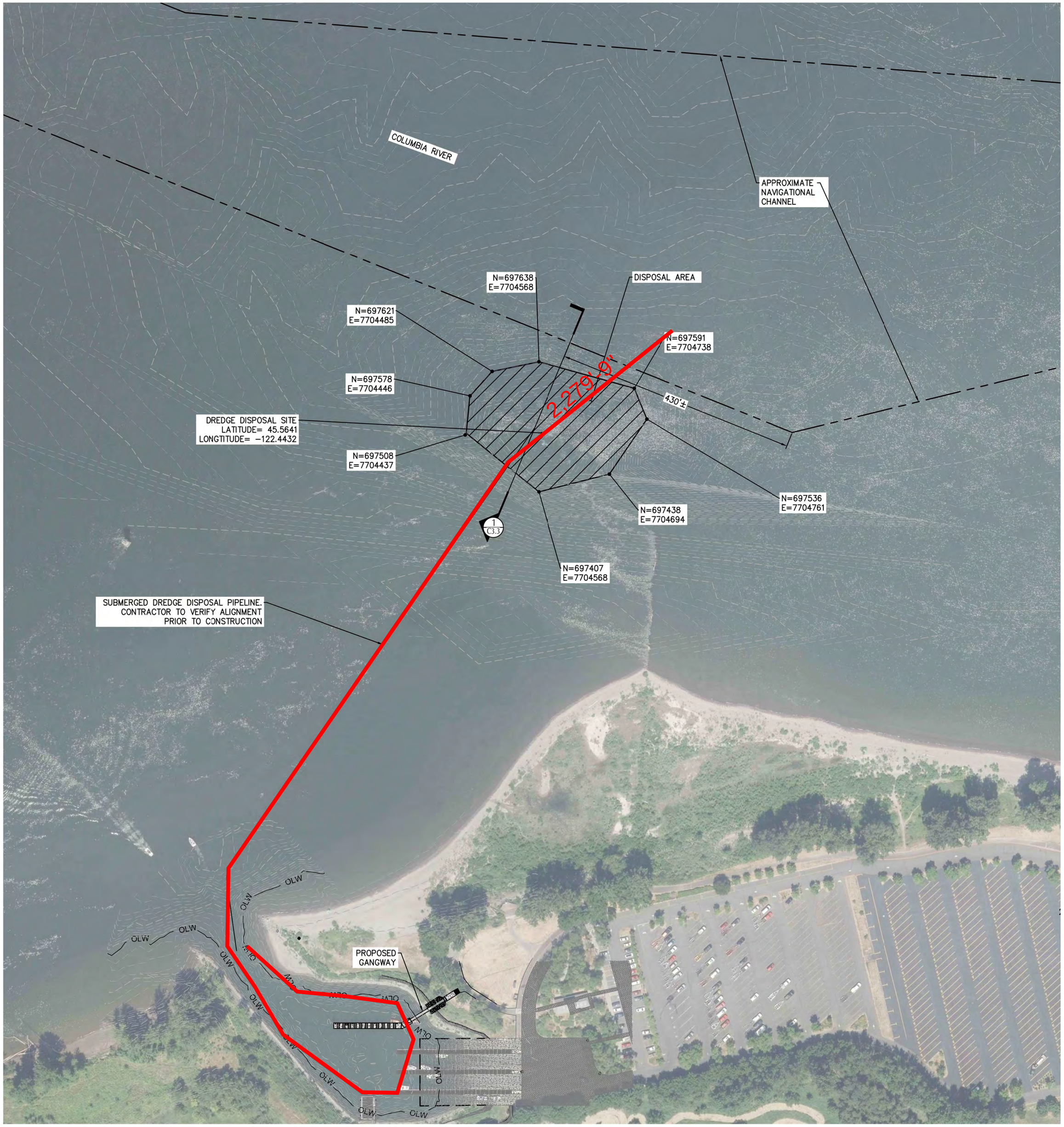
SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
28-Nov-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
5-Dec-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
5-Dec-20	1000-2000	Tacoma Yacht Club Winter Vashon Sailboat Race	Around Vashon Island
5-Dec-20	1800-2100	BYC Lighted Boat Parade	Bellingham Harbor

As of: 11/24/2020

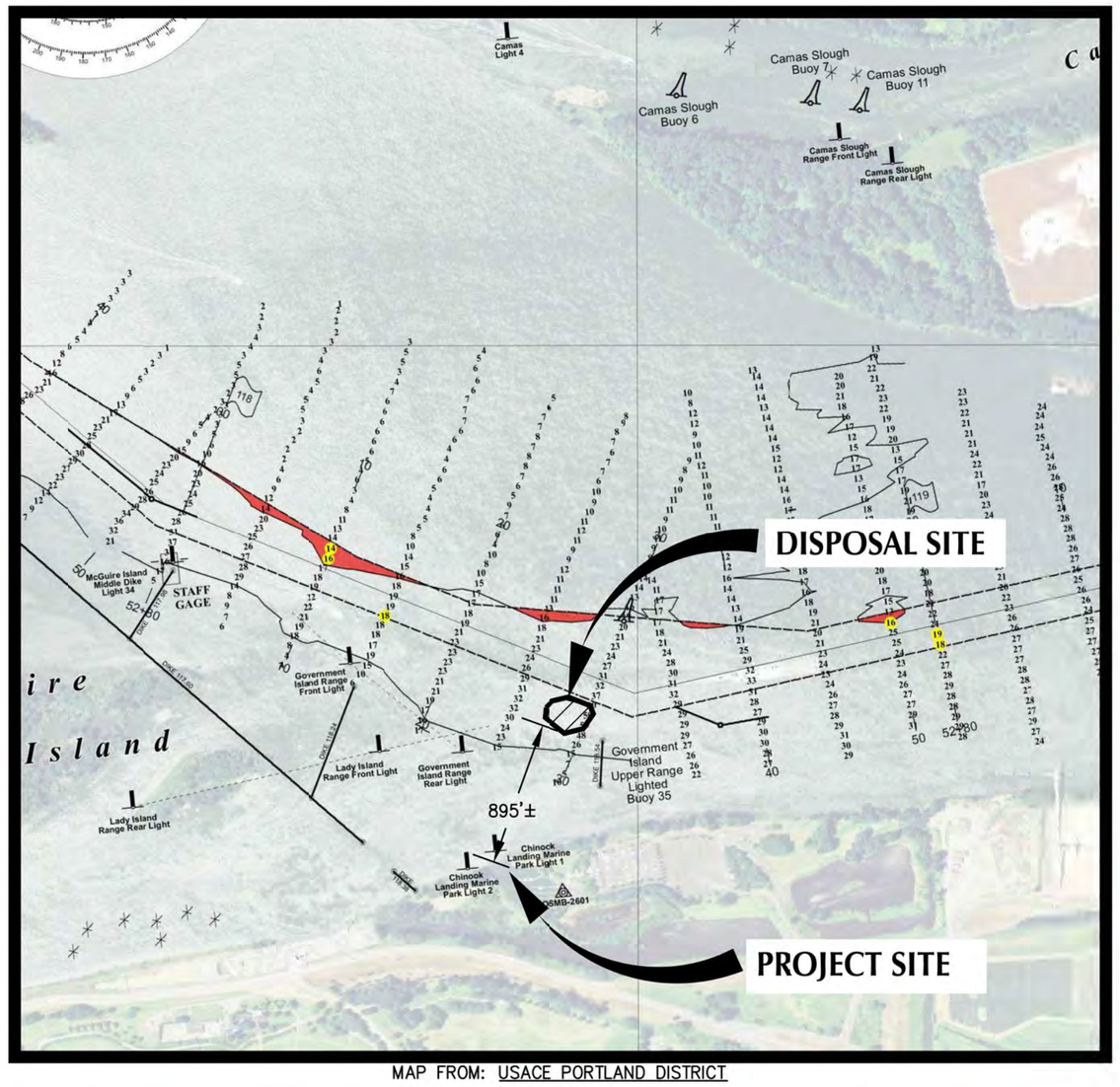
FINAL DESIGN

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:

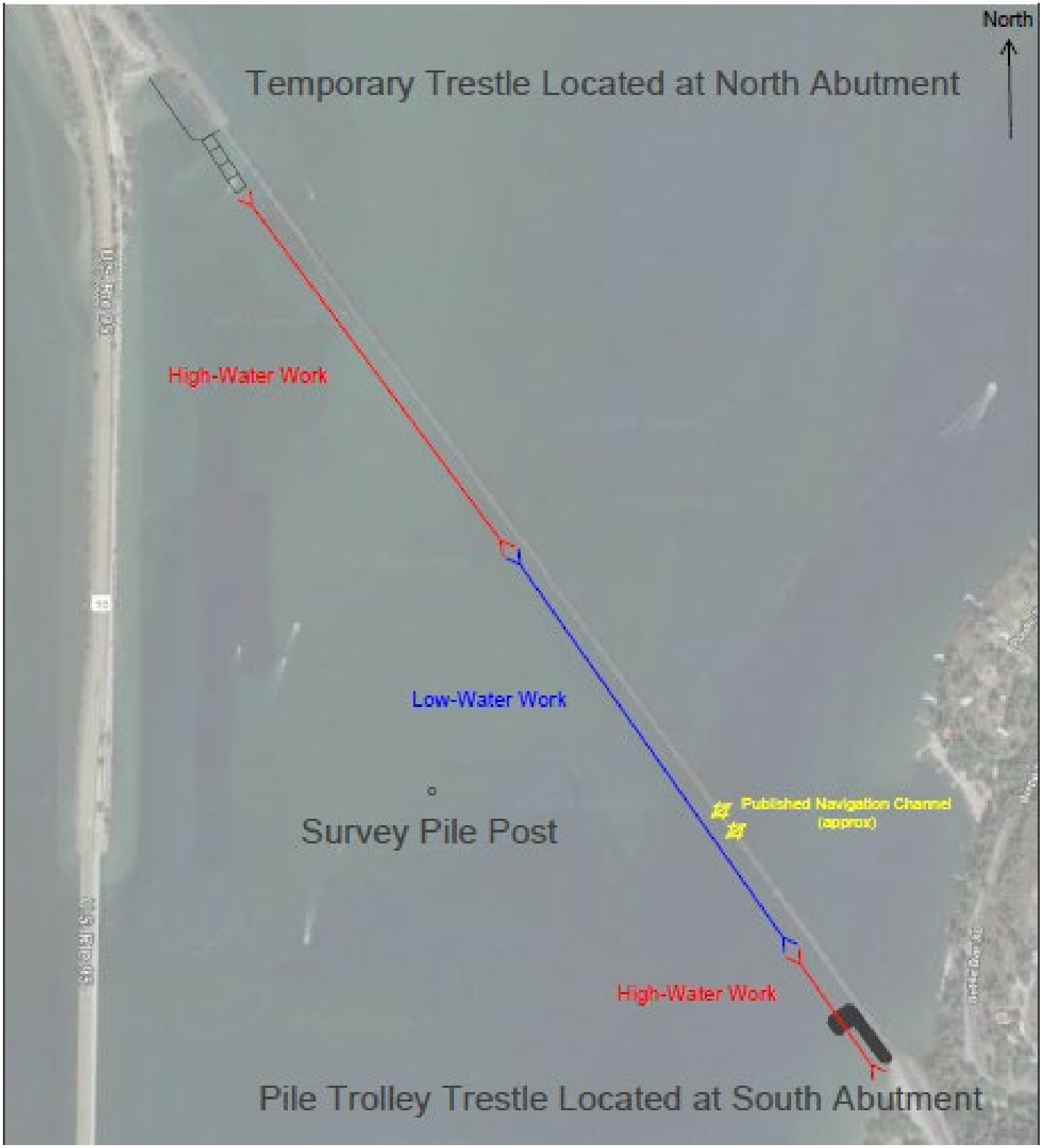
1. VICINITY MAP, FOR VISUAL REFERENCE ONLY, WAS TAKEN FROM USACE BATHYMETRIC SURVEY DATED JUNE 1, 2018.

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



PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

News Media Information 202 / 418-0500
Internet: http://www.fcc.gov
TTY: 1-888-835-5322

DA 18-1211
November 28, 2018
Enforcement Advisory No. 2018-04

FCC ENFORCEMENT ADVISORY

FCC RULES PROHIBIT MARKETING, SALE, OR USE OF FISHING NET BUOYS THAT USE RADIO FREQUENCIES RESERVED FOR MARINE NAVIGATION SAFETY COMMUNICATIONS

The Enforcement Bureau (Bureau) of the Federal Communications Commission (FCC) has observed a proliferation in the use and marketing of noncompliant devices that operate on radio frequencies assigned to Automatic Identification Systems (AIS), which are authorized exclusively for marine navigation safety communications. The noncompliant devices causing the most trouble are advertised and operated to mark and track fishing nets – i.e., fishing net buoys. The FCC's rules do not authorize AIS devices for such use. The use of noncompliant AIS devices is illegal and has the potential to disrupt important maritime communications, increasing the risk of accidents by creating confusion about whether an AIS signal represents a vessel that must be avoided.

Anyone advertising or selling these noncompliant fishing net buoys or other noncompliant AIS devices should stop immediately, and anyone owning such devices should not use them. Sellers, advertisers, and operators of noncompliant AIS equipment may be subject to substantial monetary penalties.

What Should You Know?

What is AIS? AIS is an important maritime navigation safety communications system intended to limit maritime accidents by automatically broadcasting and exchanging marine vessel information – including a vessel's identity, type, position, course, speed, navigational status, and other safety-related information – between and among AIS-equipped shore stations, aircraft, and other vessels.[1] AIS also facilitates ship monitoring and tracking by the United States Coast

[1] *See* 33 CFR § 164.46(a); 47 CFR §§ 80.5, 80.393; United States Coast Guard Navigation Center, AIS Frequently Asked Questions, https://www.navcen.uscg.gov/?pageName=AISFAQ (AIS FAQ) (last visited Nov. 27, 2018). AIS is "a service specifically intended to enhance maritime domain awareness and navigational safety." *Amendment of the Commission's Rules Regarding Maritime Automatic Identification Systems et al.*, Report and Order and Further Notice of Proposed Rule Making and Fourth Memorandum Opinion and Order, 21 FCC Rcd 8892, 8905, para. 18

Guard (Coast Guard) and other maritime authorities. The International Maritime Organization (IMO) and the Coast Guard require certain self-propelled cargo, passenger, and commercial vessels to carry AIS equipment.[2] FCC rules specify that AIS equipment may operate only over assigned frequencies 156.775 MHz, 156.825 MHz, 161.975 MHz, or 162.025 MHz (AIS frequencies).[3]

AIS equipment must be certified. Equipment that uses AIS frequencies must be properly certified to ensure compliance with the FCC's technical rules.[4] This certification requirement ensures that equipment that intentionally emits radio waves complies with technical requirements to avoid interference with federal government operations, private licensed operations, and other authorized equipment.[5] AIS equipment that does not comply with the technical requirements cannot be certified and thus cannot be advertised, sold, or used.[6] Certified equipment is labeled with an FCC Identifier.[7]

The only devices currently authorized under the FCC's rules to use AIS frequencies are Class A and B shipborne equipment, AIS Search and Rescue Transmitters, and Maritime Survivor Locating Devices.[8] The FCC, with the concurrence of the Coast Guard, certifies these four types of AIS devices for compliance with applicable FCC, Coast Guard, and international

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(2006).

[2] *See* 33 CFR § 164.46(b)-(c). Generally, such vessels must install and operate Class A AIS shipborne equipment to satisfy this requirement; vessels not required to carry AIS equipment may use less expensive and robust Class B devices. *See Amendment of the Commission's Rules Regarding Maritime Automatic Identification Systems*, 23 FCC Rcd 13711, 13728, para. 27 (2008).

[3] 47 CFR §§ 80.5, 80.393.

[4] 47 CFR § 80.203 (requiring certification under the procedures in Part 2 for Part 80 maritime devices, including AIS devices); *see also id*. § 2.907 (general provision regarding certification). The general equipment authorization rules apply to the manufacture, import, sale, offer for sale, shipment, or use of devices capable of emitting radio frequency energy. *See* 47 U.S.C. § 302a(b); 47 CFR §§ 2.803, 2.805. These rules apply to all radio frequency equipment advertised or sold to, or used by, non-Federal U.S. persons or entities regardless of the equipment's origin, including equipment manufactured overseas and imported for subsequent sale to non-Federal U.S. customers or shipped directly from overseas to non-federal U.S. customers. These rules do not apply to equipment used by Federal Government agencies. *See* 47 U.S.C. § 302a(c), 47 CFR § 2.807(d).

[5] 47 CFR §§ 2.907, 80.203.

[6] 47 CFR §§ 2.803(b)(1), 2.805(a). Advertising and selling are two aspects of "marketing" under the Commission's rules. Specifically, marketing "includes [the] sale or lease, or offering for sale or lease, including advertising for sale or lease, or importation, shipment, or distribution for the purpose of selling or leasing or offering for sale or lease." 47 CFR § 2.803(a).

[7] 47 CFR §§ 2.925-2.926 (requiring an FCC Identifier for certified equipment). The label may be located on the surface of the product, within a user-accessible non-detachable compartment (such as the battery compartment), on the packaging of the device, and/or within electronic menus if the device has an electronic display.

[8] *See* 47 CFR §§ 80.231-80.233, 80.275, 95.2989. In addition, the Commission has granted waivers authorizing the use of AIS position locating with Emergency Position Indicating Radio Beacons, which transmit distress signals on international satellite frequencies. *See Amendment of the Commission's Rules Regarding Maritime Radio Equipment and Related Matters*, Report and Order, 31 FCC Rcd 10300, 10303, para. 5 & n.16 (2016) (citing *McMurdo Group*, Order, 30 FCC Rcd 10634 (WTB 2015)).

requirements. Any other type of device that uses the AIS frequencies is likely not certified.[9] Any purported AIS device not certified in conformance with applicable requirements is noncompliant and could adversely impact maritime safety or harm authorized AIS devices.

Devices that operate in the AIS frequencies and are advertised to mark and track commercial and recreational fishing nets and other equipment are not certified and should not be used.[10] Such devices, which are often advertised as "AIS Fishing Net Buoys," can transmit a vessel identification signal without essential navigational safety information. This can have a serious detrimental effect on maritime safety, hampering the situational awareness of maritime operators and endangering ships relying on AIS to avoid collisions and allisions at sea.

What Should You Do?

Manufacturers, retailers, and importers of AIS equipment and other marine equipment should familiarize themselves with the FCC rules governing equipment authorization and ensure that they comply with them. If you discover you are advertising or selling AIS equipment that is not certified, you must stop doing so immediately.

Operators and users of purported AIS equipment should ensure that it is properly labeled as FCC-compliant when buying the equipment.[11] Certified AIS equipment will not be advertised to mark or track fishing net buoys or for other non-safety marine applications. If you have any doubt about the compliance of a device, you are advised to purchase another device.

Compliant maritime equipment intended for tracking fishing nets is authorized to operate in the 1900-2000 kHz band, not the AIS frequencies.[12] These devices will not be advertised as AIS equipment.

What Happens If Manufacturers, Retailers, Importers, or Operators Do Not Comply with the FCC's Rules?

Violators of the Commission's marketing and operating rules may be subject to the penalties authorized by the Communications Act, including, but not limited to, substantial monetary fines (up to $19,639 per day for marketing violations and up to $147,290 for an ongoing violation).[13]

Need more information?

For additional information regarding equipment marketing rules, please visit the FCC website at https://www.fcc.gov/engineering-technology/laboratory-division/general/equipment-authorization. Media inquiries should be directed to Will Wiquist at (202) 418-0509 or will.wiquist@fcc.gov.

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[9] For example, a device that uses AIS frequencies but does not transmit vessel information because it is not attached to a vessel would not be compliant, as it does not meet the definition of AIS. 47 CFR § 80.5.

[10] Generally, devices should not be operated prior to obtaining an authorization. *See* 47 CFR § 2.805(a). Even a properly certified AIS device should not be used for fishing net buoys because the intended purpose of AIS is vessel safety or personal rescue. *See supra* note 1.

[11] As noted above, compliant devices will have an FCC Identifier that can be checked in the FCC database to ensure the device is properly certified. Federal Communications Commission, *FCC ID Search*, https://www.fcc.gov/oet/ea/fccid.

[12] *See* 47 CFR § 80.376.

[13] *See* 47 U.S.C. § 503(b)(2)(D); 47 CFR §§ 1.80(b)(7), (b)(9) (reflecting adjustments for inflation).

The Commission has previously warned about using inaccurate identifiers with maritime equipment. *Enforcement Bureau Reminds Mariners of Marine Radio Rules Protecting Public Safety*, Enforcement Advisory No. 2016-04, 31 FCC Rcd 4600 (EB 2016), available at https://docs.fcc.gov/public/attachments/DA-16-513A1.pdf.

The U.S. Coast Guard provides its own guidance on AIS and AIS equipment on its website. U.S. Coast Guard, *AIS Frequently Asked Questions*, available at https://www.navcen.uscg.gov/?pageName=AISFAQ.

To file a complaint, visit https://consumercomplaints.fcc.gov or call 1-888-CALL-FCC.

To request materials in accessible formats for people with disabilities (Braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer & Governmental Affairs Bureau at (202) 418-0530 (voice), (202) 418-0432 (TTY). You may also contact the Enforcement Bureau on its TTY line at (202) 418-1148 for further information about this Enforcement Advisory, or the FCC on its TTY line at 1-888-TELL-FCC (1-888-835-5322) for further information about the aviation radio rules.

Issued by: Chief, Enforcement Bureau