



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 39/20

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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Telephone: (206) 220-7280
Email: D13-SMB-D13-LNM@uscg.mil
<https://www.pacificarea.uscg.mil/Our-Organization/District-13/District-Staff/-dpw/>
<https://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=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 CGD THIRTEEN	Beginning BNM D13-0644-20	Ending BNM D13-0660-20
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ABBREVIATIONS

A through H

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

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
FI - 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.

COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – King pile construction

Bergeson Construction and HME Construction will be conducting construction activities in the Columbia River installing single piles with a sign to mark dike locations. Construction will begin near Multnomah Falls (RM 136.6) and work downriver toward Vancouver (RM 105.4) starting on 05 Oct with an estimated completion date of 25 Nov 2020. The crane barge Betsy Ross will conduct the construction work and the derrick barge Sea Hawk will place the rock scour around each pile. Both vessels will monitor VHF-FM channels 16 & 17. Mariners are requested to stay clear and navigate with caution around the work site.

Chart 18531

LNM: 39/20

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

The Coast Guard intends to issue a temporary deviation from the operating schedule that governs the Burnside Highway Bridge (LLNR 14955.4) across the Willamette River, RM 12.4. Multnomah County intends to operate the bridge in single leaf mode from 04 Jan – 07 Feb 2021. The West Leaf will be locked in the closed-to-navigation position with the East Leaf operational from 0700 on 04 Jan until 2359 on 17 Jan 2021. The East Leaf will be locked in the closed-to-navigation position with the West Leaf operational from 0700 on 18 Jan until 2359 on 07 Feb 2021. The Burnside Bridge provides a vertical clearance of 41 feet above Columbia River Datum 0.0 in the closed-to-navigation position. 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). 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. If any mariner has an objection to this deviation, please reply to d13-smb-d13-bridges@uscg.mil by 14 Oct 2020.

Chart 18526

LNM: 39/20

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – Bridge notice

The Coast Guard has issued a public notice announcing the receipt of a Bridge Permit Application from Burlington Northern Santa Fe Railway (BNSF) Company. BNSF is requesting approval of location and plans for the replacement of the fendering system on Burlington Northern Railroad Bridge 37 (LLNR 18591.1) across the Snohomish River at mile 3.5 near Everett, Washington, at 48-01-03.364N, 122-11-19.842W. BNSF proposes to replace the existing north protection fender. Public Notice 08-20 solicits comments and is available at <https://www.navcen.uscg.gov/D13BN>. Comments will be received for the record until 30 Oct 2020 at the office of: Commander (dpw), Thirteenth Coast Guard District, 915 2nd Ave, Rm 3510, Seattle, WA or via email at d13-smb-d13-bridges@uscg.mil.

Chart 18444

LNM: 39/20

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@mcavain.com or Brian Lemmon at (208) 871-4670 with questions.

LNM: 38/20

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – Underwater cable operations

Global Marine will undertake a routine survey of the North and East Segment of the PC-1 fiber optic telecommunications cable that is routed within the boundaries of the Olympic Coast National Marine Sanctuary. This survey is a non-invasive ROV survey that will inspect the condition of the PC-1 cables. The Cable Ship Innovator will conduct the work, which is expected to commence on 05 Oct and finish on 17 Oct 2020. C/S Innovator will be limited in her ability to maneuver during operations and other vessels should maintain a distance of at least 1000 yards from the operations, and contact the ship via VHF-FM channel 16. A graphic of the operation area is included as Enclosure (4) of this LNM. For more information or any potential conflicts, please contact Alex Riddell at Alex.Riddell@oceaniq.co.uk or Steve Bennett at Steven.Bennett@globalmarine.co.uk.

Charts: 18460 18480

LNM: 38/20

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERSON – ELLIOTT BAY/DUWAMISH RIVER/LAKE WASHINGTON – Tribal fisheries (Revised from LNM 36/20)

The Muckleshoot Tribe will continue gillnet salmon fishing activities in Elliott Bay and on the lower Duwamish River, and will commence fishing activity in the Lake Washington ship canal, Lake Union, and the northern portion of Lake Washington on the following schedule:

- 0800 on 20 Sep through 1200 on 25 Sep 2020 (Elliott Bay and Lower Duwamish);
- 0800 on 23 Sep through 1200 on 25 Sep 2020 (Upper Ship Canal, Lake Union, North Lake Washington);
- 0800 on 27 Sep through 1200 on 02 Oct 2020 (All areas);
- 0800 on 04 Oct through 1200 on 09 Oct 2020 (All areas);
- 0800 on 11 Oct through 1200 on 16 Oct 2020 (All areas).

The operations will take place in Elliott Bay east of a line drawn from Pier 91 to Duwamish Head Light (LLNR 16910) and in both waterways of the Duwamish River up to the Hwy 99 Bridge (1st Ave South Bridge). In Lake Washington, activities are closed south of the Hwy 520 Bridge and within 250 ft of the shoreline. These fisheries are expected to cause congestion on the waterway, and mariners are advised to use caution while transiting the area. For more information, contact Coast Guard Sector Puget Sound Waterways Management at (206) 217-6051 or the Muckleshoot Tribal Enforcement at (253) 876-2927.

Charts: 18447 18450

LNM: 38/20

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

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – Bridge maintenance

WSDOT and Graham Contracting will be conducting bridge maintenance and repairs to the SR 520 Evergreen Point Highway Bridge (LLNR 18340) along the new west approach bridge which spans the west navigation channels. Operations are expected to run from 01 - 09 Oct 2020, from 0700-1530 daily on weekdays only. A under bridge inspection truck (UBIT) will be onsite and conducting repairs from the bridge deck surface. An articulating boom or arm will be present above the channel and beneath the bridge, limiting the total vertical clearance of the channel. Actual vertical clearance will vary depending on configuration of the UBIT. Navigation channels actively under repairs will be closed and marked with a buoy line. Mariners are requested to use caution and transit through the channels not under repairs. For additional information, call Graham Contracting at (425) 577-0841.

Chart 18447

LNM: 38/20

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON - Interstate 90 Highway Bridge construction (Revised from LNM 30/20)

Kiewit-Hoffman will be performing seismic upgrades and installation of corrosion mitigation devices to the existing approach piers and exterior face of Homer Hadley and Lacey V Murrow for the Interstate 90 (I-90) Highway Bridge (LLNR 18389 and 18398). The west navigation channel and east navigation channels for the I-90 Floating Bridge will have marine activities, including the moving of barges, but will stay open to mariners. Mariners are advised to use caution while transiting near barges within the Sound Transit E130 project area. These vessels are currently moored to columns or buoys and may present hazards. Construction barges located within the work zones will be marked with steady white lights on all four corners. Mariners should maintain a safe distance and minimize wake around all floating barges and other construction vessels as well as minimizing wake on the north side of Homer Hadley within 200 yards. Barges will be working on both the east and west structures performing retrofit scopes, and will be traveling to and from the temporary mooring buoys Monday through Saturday. Two temporary mooring buoys marked with white lights flashing every 4 seconds (FI W 4s) have been relocated near the bridge for the mooring of the barges. The positions are:

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

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

Mariners should not deviate from these established paths through navigations channels. Construction and operations at this site are expected to continue through 2020. For additional information contact Charlie Kotten at (331) 481-2968 or email Charles.Kotten@Kiewit.com

Chart 18447

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 – Navigation lock maintenance outage (Revised from LNM 35/20)

The Navigation Lock at Lower Monumental Lock and Dam, at Snake River mile 41.6, is closed daily between the hours of 0800-2000 for emergency repairs to the lock’s floating guide wall. This outage is necessary for divers to perform removal and replacement of the floating guide wall cables. The work is scheduled to be completed by 25 Sep 2020. Until repairs are completed, river traffic may not impact, rub against, or use the guide wall as a pivot for entering the lock. River users may contact the Lower Monumental Shift Operator at (509) 282-7231, or VHF-FM Channel 14 using call sign WUJ43 Lower Monumental, for more information.

Chart 18545 LNM: 37/20

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

OREGON – WASHINGTON – GPS testing

US Strategic Command has proposed GPS testing encompassing the majority of the Puget Sound area and reaching parts of the Washington coast and Columbia River. The center point of the test will be near Yelm, Washington, at position 46-58-40.2N, 122-37-08.4W with a radius of 113 NM. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The testing frequency will be GPS L1/L2. Testing dates and times are as listed below, using Pacific Daylight Time as local time:

- 16 Nov 2020: 0600 – 2100
- 17 Nov 2020: 0600 – 2100
- 18 Nov 2020: 0600 – 2100
- 19 Nov 2020: 0600 – 2400
- 20 Nov 2020: 0000 – 1700

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

LNM: 36/20

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	
765.1	NOAA Environmental Lighted Buoy 46002	MISSING	18007	0407-17	20/17	
765.45	DART Tsunami Warning Lighted Buoy 46452	ADRIFT	18003	1009-18	49/18	
765.5	NOAA Environmental Lighted Buoy 46005	LT EXT	18007	0197-20	08/20	
8635	Chetco River Entrance Light 9	STRUCT DEST/TRLB	18602	0248-19	15/19	
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	
10220	Miller Sands Channel Lighted Buoy 6	LT EXT	18523	0313-20	18/20	
10305	Brookfield Point Lighted Buoy 22	LT EXT	18523	0660-20	39/20	
10307	Welch Island Channel Lighted Buoy 22A	LT EXT	18523	0506-20	32/20	
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	
11165	Willow Dike Light 26	LT IMCH	18525	0387-20	24/20	
11280	North Portland Harbor East End Range Front Light	LT EXT	18525	0536-20	33/20	
11430	Fisher Quarry Channel Range Front Light	LT EXT	18531	0497-20	32/20	
11465	Government Island Range Front Light	LT EXT	18531	0463-20	29/20	
11530	Washougal Lower Range Front Light	LT IMCH	18531	0393-20	25/20	
12140	The Dalles Dam Buoy B	OFF STA	18533	0166-20	07/20	
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	
14495	Baker Bay West Channel Daybeacon 21	DAYMK MISSING	18521	0656-20	39/20	
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	LT IMCH	18502	0549-20	34/20	
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	
16490	Point Hudson Spit Lighted Bell Buoy 2	LT EXT	18464	0659-20	39/20	
17520	Point Hudson Spit Lighted Bell Buoy 2	LT EXT	18464	0659-20	39/20	
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10295	Brookfield Point Lighted Buoy 19	RESET ON STATION	18523	0655-20	38/20	39/20
14565	Skipanon Waterway Range Rear Light	RELIGHTED	18521	None	39/20	39/20
15025	Elk Rock Island Light 13	WATCHING PROPERLY	18528	0649-20	38/20	39/20
19815	Boundary Pass Shoal Isolated Danger Lighted Bell Buoy DB	WATCHING PROPERLY	18431	None	39/20	39/20

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
11207	Lower Vancouver Anchorage Lighted Buoy V	ADRIFT	18525	0611-20	37/20	
11247	Hayden Island Water Monitoring Lighted Buoy A	OFF STA	18526	0630-20	38/20	
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	
16974	East Vashon Outfall Pipe Lighted Buoy	MISSING	18474	0365-20	23/20	
17126	Tacoma Harbor Regulatory Buoys (3)	MISSING	18453	0502-20	32/20	
17167	Blair Waterway Light 4	LT EXT	18453	0348-20	22/20	
17347	Oro Bay Lighted Buoy 3	LT EXT	18448	0601-20	36/20	
17375	Allyn Dock Light	MISSING	18448	0643-20	38/20	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
8635	Chetco River Entrance Light 9	TRLB	18602	0436-19	25/19	
9520	Siuslaw River Channel Light 14	TRLB	18583	0764-18	37/18	
9846	Garibaldi Channel Light 11	TRLB	18558	0857-18	41/18	
12980	Lake Wallula West Channel Junction Light W	TRLB	18542	0214-20	10/20	
14435	Baker Bay West Channel Daybeacon 7	TRUB	18521	0755-17	35/17	
15040	Oswego Rock Daybeacon	TRUB	18528	0404-17	20/17	
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
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None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

SECTION IV - CHART CORRECTIONS

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

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR						
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3				CGD01 at 40-41-09.001N	074-02-48.001W
Corrective Action	Green can Object of Corrective Action				Position	

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

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Page/Side
18524	38th Ed.	01-NOV-17	Last LNM: 47/17	NAD 83	39/20
Chart Title: Columbia River Crims Island to Saint Helens					
CHART OR-WA-COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS. Page/Side: N/A					
RELOCATE	Stella Range Front Light and Change height to 28ft.			CGD13 from 46-11-17.015N to 46-11-17.003N	123-07-27.448W 123-07-27.152W

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Page/Side
18526	60th Ed.	01-JUN-12	Last LNM: 47/17	NAD 83	39/20
Chart Title: Port of Portland, Including Vancouver; Multnomah Channel-southern part					
CHART OR - PORT OF PORTLAND, INCLUDING VANCOUVER. Page/Side: N/A					
CHANGE	Toe Island Light 1 Height to 30ft.			CGD13 at 45-28-57.366N	122-40-07.500W

Chart Number	Chart Edition	Edition Date	Last LNM	Horizontal Datum Reference	Page/Side
18528	11th Ed.	01-JUL-08	Last LNM: 39/15	NAD 83	39/20
Chart Title: Willamette River Portland to Walnut Eddy					
CHART OR - WILLAMETTE RIVER - PORTLAND TO WALNUT EDDY. Page/Side: N/A					
CHANGE	Toe Island Light 1 Height to 30ft.			CGD13 at 45-28-57.366N	122-40-07.500W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

Advance Notice(s)

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

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

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

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

Charts: 18524 18525

LNM: 52/19

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

The U.S. Coast Guard is testing LED combination lantern systems to replace the incandescent lanterns at the locations listed below. The changes are

expected to occur during the summer or fall of 2020:

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

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

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

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

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

Chart 18539

LNM: 18/20

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

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

Proposed Change Notice(s)

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

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: 39/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 39/20

SUMMARY OF MARINE EVENTS

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

LNM: 39/20

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 vimpainting@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 – BONNEVILLE TO THE DALLES – Bridge construction

Advanced American Construction (AAC) will be conducting bridge construction in the Columbia River at the mouth of Little White Salmon River / Drano Lake, near RM 162. Operations include pile driving and work is expected to occur from 06 Jan 2020 to 04 Feb 2021. AAC's Derrick Barge DB 4100, tug Lindy Marie, and work barges will be on station and monitoring VHF-FM channel 16 during the working hours of 0700 through 1800, Monday through Saturday. The floating equipment will remain on-station during non-working hours and will be illuminated at night by fixed white lights on all corners. Mariners are asked to transit the area with extreme caution and minimize wake. Please contact Shad Huber at (360) 953-4833 and email Shadh@callAAC.com or Todd High at (503) 572-0101 and email Toddh@callAAC.com with any questions.

Chart 18532

LNM: 51/19

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY – Special Bridge notice (Revised from LNM 30/20)

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 Nov 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 early October. Questions regarding the navigation closures should be directed to Justin Sieg, Kraemer North America, (425) 961-2769.

Charts: 18449 18450

LNM: 32/20

WASHINGTON – LAKE WASHINGTON SHIP CANAL - George Washington Memorial Bridge Notice (Revised from LNM 01/18)

Washington State Department of Transportation will be conducting painting and preservation operations on the George Washington Memorial Street Bridge (Aurora Avenue Bridge) (LLNR 18184). The work will be conducted from 01 Apr 18 through 31 Oct 20. Hours of work will be from 0700 to 1900, Monday through Saturday. The subject bridge provides 135 feet of vertical clearance will be reduced to 125 feet for containment. The containment will be marked with flashing yellow lights and signage. Half of the 150 feet of horizontal clearance will have containment. Mariners may transit under the bridge at any time, and are advised to use caution while transiting the area. For additional information, contact Nick Hadsell, PM, at (330) 402-3232 or nhadsell@libertymaintenanceinc.com.

Chart 18447

LNM: 26/18

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

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

Chart 18447

LNM: 33/19

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

IDAHO – LAKE PEND OREILLE – BNSF Railroad Bridge Notice

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

Chart 18554

LNM: 18/20

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

COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT - Mouth of the Columbia River Jetty System Major Rehabilitation Project

Scheduled repairs of the South Jetty have commenced and are planned to continue through 2024. Current in water repairs are being conducted via the land access, but at a future date barges and in water equipment will be used to conduct repairs. This notice will be updated once in water work is scheduled. 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: 20/20

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – Dredging and capping project

HME Construction will conduct operations for the Former Portland Gas Manufacturing Site Dredging and Capping Project on the Willamette River from 06 Jul to 05 Oct 2020. Operations include debris removal, dredging, and sediment cover. The main project site is the west side of the Willamette River, mile 12.1- 12.3 between the Burnside (LLNR 14955.5) and Steel bridges (LLNR 14955.3). Equipment onsite will be the derrick dredge Sea Hawk, Excavator, pontoon barge, miscellaneous barges and tugs. Additionally, sediment amending will occur at the Port of Portland Terminal 4, Berth 416 on the east side of the Willamette River, mile 4.8-5.0. Equipment at this location will be the derrick dredge Sea Vulture and miscellaneous barges. The dredges Sea Hawk and Sea Vulture will display proper day shapes and lights, operate VHF-FM channel 67 and monitor channels 13 and 16. Operations will be performed approximately 10 hours per day, Monday - Saturday. Mariners are urged to transit at their slowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. The onsite superintendent, Justin Bay, can be reached at (360) 904-2978.

Chart 18526

LNM: 22/20

OREGON – WILLAMETTE RIVER – PORTLAND TO WALNUT EDDY – ROCK ISLAND CHANNEL – Floating aids to navigation

Mariners are advised to exercise extra caution and proceed at a safe speed when navigating the Rock Island Channel section of the Willamette River, mile 29.5 to 30.7. Prudent mariners will not rely solely on any single aid to navigation, particularly buoys, whose position is not permanently fixed. Due to the predominantly rocky riverbed in this area, the Rock Island Channel buoys are susceptible to moving off their assigned position. Additionally, sections of Rock Island Channel are very narrow and contain multiple hazards, requiring the buoys to be positioned very close to the

OREGON – WILLAMETTE RIVER – PORTLAND TO WALNUT EDDY – ROCK ISLAND CHANNEL – Floating aids to navigation
hazards they mark. Passing close aboard to a buoy risks collision with the buoy or with the hazard the buoy is marking.

Chart 18528

LNM: 23/20

WEST COAST OF NORTH AMERICA – MEXICAN BORDER TO DIXON ENTRANCE – Haida Gwaii Voluntary Protection Zone

A Voluntary Protection Zone (VPZ) for shipping was established for a 14-month trial period along the west coast of Haida Gwaii by the Government of Canada, the Haida Nation, and multiple maritime and shipping industry partners. The program asks vessels to voluntarily increase the sailing distance off Haida Gwaii when transiting along the west coast of the archipelago. The goal of the VPZ is to reduce the risk of groundings and oil spills, by allowing more time to address any mechanical casualties, and the effectiveness of the VPZ will be assessed during this trial period, which runs until 31 Oct 2021. For more information, and to download a descriptive brochure, visit www.haidagwaii-vpz.ca or email info@haidagwaii-vpz.ca

Chart 501

LNM: 35/20

WASHINGTON - SWIFTSURE BANK – ECHO Program 2020 Voluntary Vessel Slowdown Trial at Swiftsure Bank

Effective 01 Aug 2020, a voluntary vessel slowdown in the vicinity of Swiftsure Bank is in effect for all outbound commercial vessels. If it is safe and operationally feasible to do so, commercial vessels are requested to not exceed the following speeds through the water:

11.5 knots – Bulk carriers, tankers, general cargo vessels, and government vessels

14.5 knots – Vehicle carriers, cruise ships, and container vessels.

The voluntary vessel slowdown takes place in the outbound lane of the vessel traffic separation scheme between Light Buoy JA (LLNR 756) and the end of the traffic separation scheme. A speed transition zone is in place, beginning at longitude 124-33-36.860W. The ECHO Program voluntary slowdown aims to reduce underwater noise in known southern resident killer whale feeding areas. This initiative will remain in effect 24 hours per day until 2359 PDT on 31 Oct 2020. For more detailed information related to this slowdown and the ECHO program, refer to the following internet web address:

<https://www.portvancouver.com/environment/water-land-wildlife/echo-program/projects/voluntary-vessel-slowdown-trial/>

Charts: 18400 18460 18480

LNM: 29/20

WASHINGTON – STRAIT OF JUAN DE FUCA – Port of Vancouver Canada 2020 Voluntary Lateral Displacement Program

As of 01 Jun 2020, the ECHO Program voluntary inshore lateral displacement is in effect for all tug and barge vessels transiting the Canadian inshore area of the Strait of Juan de Fuca. If it is safe and operationally feasible to do so, tugs are requested to move south of the known killer whale feeding area and navigate either through the outbound shipping lane or the inshore lateral displacement zone, while maintaining a buffer distance of 1,000 meters from the traffic separation scheme (TSS). The inshore lateral displacement zone is 1,500 meters wide and occurs in the area between 123-52-21.192W, 48-18-37.332N and 124-31-33.378W, 48-28-53.316N, covering a distance of approximately 28 NM. The ECHO Program voluntary lateral displacement initiative aims to reduce underwater noise in known southern resident killer whale feeding areas along the northern edge of the Strait of Juan de Fuca. This initiative will remain in effect through 31 Oct 2020. See enclosure (4) of LNM 25/20 for more information on the program as well as a chartlet of the displacement zone. For more detailed information related to lateral displacement and the ECHO program, visit the following address:

<https://www.portvancouver.com/environment/water-land-wildlife/echo-program/projects/lateral-displacement/>

Charts: 18460 18480

LNM: 22/20

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

SMRU Consulting will be testing acoustic buoys in three locations in the Middle Bank and Hein Bank areas south of San Juan Island, from 01 Jun until 01 Nov 2020. The buoys will be monitoring underwater acoustic noise, and will be located in the following approximate positions: (A) 48-24-25.0452N, 122-58-51.8952W (B) 48-23-6.1728N, 123-7-28.7112W (C) 48-19-54.012N, 123-4-25.95W. A chart graphic was included as Enclosure (4) of LNM 11/20. Buoys are 2-foot diameter, yellow in color, marked with a FL Y 6s (flashing yellow six second) light and an orange flag. Mariners are requested to keep a safe distance from the buoy. For additional information, contact Jason Wood at (306) 298-0166 or jw@smruconsulting.com.

Chart 18421

LNM: 08/20

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 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

WASHINGTON – PUGET SOUND – NORTHERN PART – POSSESSION SOUND – Construction at 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 – PORT TOWNSEND – KILISUT HARBOR – Kilisut Harbor Channel opening

The channel at the southern end of Indian and Marrowstone Islands connecting Kilisut Harbor and Oak Bay has been reopened for the first time in over 60 years. Mariners should use extreme caution when attempting to navigate this new area. The channel is in flux at this time as each tidal cycle brings new sediment and shifting shoals. The project anticipated a water depth of 5 feet once the channel has stabilized but depths are much shallower at present. The new bridge across the waterway was designed with a vertical clearance of 10 feet at mean high water. Since the channel was opened, strong currents have been observed and the existence of a 90 degree turn make maneuvering difficult. Power driven vessels should proceed slowly and use caution due to the presence of many paddle craft. The majority of the land surrounding the channel is privately owned or restricted property and mariners are requested to refrain from landing on anything other than public access.

Charts: 18464 18477

LNM: 34/20

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 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

OREGON – WASHINGTON – IDAHO – Shallow draft waterways study

The U.S. Coast Guard is conducting a Waterways Analysis and Management System (WAMS) Study on the Shallow Draft system (waters less than 12 feet). The purpose of this study is to determine the navigational needs and requirements of vessels operating in shallow draft navigable waterways throughout the country. The study will focus on the existing shallow water ATON system, future development projects, waterborne commerce transiting these waters, and marine casualty information. Waterway users, interested parties, and stakeholders are invited to provide comments or feedback via the tool posted at <https://www.surveymonkey.com/r/ShallowWaterWAMS>. This link will remain available until 01 Nov 2020. Additional questions or comments may be emailed to CGNAV@uscg.mil using the subject line: "Shallow Draft WAMS".

LNM: 32/20

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
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SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
10660	STELLA RANGE FRONT LIGHT	46-11-17.003N 123-07-27.152W	Fl G 2.5s	28		KRB on multi-pile structure.	Visible all around; higher intensity 1.5° each side of rangeline.	39/20
14565	SKIPANON WATERWAY RANGE REAR LIGHT	* 46-09-53.964N 123-54-59.098W	Iso R 6s	36		KRB on skeleton tower.	Visible 4° each side of rangeline.	39/20
	234 yards, 199.2° from front light.							
14978	TOE ISLAND LIGHT 1	45-28-57.366N 122-40-07.500W	Fl G 4s	30	4	SG on pile.	*	39/20
				*				

ENCLOSURES

Enclosure 1

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

LNM: 39/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 39/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 39/20

Enclosure 4

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – Underwater cable operations

LNM: 38/20

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						
None						
COLUMBIA RIVER						
	11933	Hood River Highway Bridge	Hood River, OR	Center Span lights up & down river Extinguished	7/26/2020	0476-20
	12753	I-82 Highway Bridge (NB)	Umatilla, OR	Green, center channel light extinguished	6/25/2020	0406-20
SNAKE RIVER						
	14070	Camas Prairie RR Bridge	Lewiston, ID	Multiple lights extinguished	9/16/2019	0705-19
WILLAMETTE RIVER						
	14955.2	Broadway Highway Bridge	Portland, OR	Upstream, western lift span light extinguished	7/22/2020	0464-20
	15152	Wilsonville Railroad Bridge	Wilsonville, OR	Multiple lights extinguished	10/17/2019	0802-19
WASHINGTON COAST						
None						
PUGET SOUND						
	17248	Fox Island Highway Bridge	Fox Island, WA	Green center span light extinguished	9/2/2020	0588-20
	18454.5	Harstene Island Highway Bridge	Shelton, WA	Lighting is reduced intensity	9/3/2020	0590-20
IDAHO						
None						
BRIDGE CORRECTIONS						
Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
None						
COLUMBIA RIVER						
None						
SNAKE RIVER						
None						
WILLAMETTE RIVER						
None						
WASHINGTON COAST						
None						
PUGET SOUND						
None						
IDAHO						
None						

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNМ
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
1-Oct-20	31-Oct-20	24 Hrs/7 Days	Coos Bay River; GMA Garnet Facility (RM 14+40)	M/V Patriot	John Brix, Eagle, Maverick, Casey H	VHF-FM 13 & 16	Site H	37/20
29-Sep-20	6-Oct-20	24 Hrs/7 Days	Yaquina Bay Entrance (RM 00-50 to 00+50)	M/V Yaquina	None	VHF-FM 13 & 16	ODMDS N&S	39/20
29-Sep-20	6-Oct-20	24 Hrs/7 Days	Yaquina Bay (RM 01+10 to 02+20) (Backup for Entrance)	M/V Yaquina	None	VHF-FM 13 & 16	ODMDS N&S	39/20
29-Sep-20	6-Oct-20	24 Hrs/7 Days	Mouth of the Columbia River; (RM -3-00 to 3+00)	M/V Essayons	None	VHF-FM 13 & 16	SWS, DWS	39/20
29-Sep-20	6-Oct-20	24 Hrs/7 Days	Columbia River: Tongue Point (RM 19+30 to 21+05) (Backup for MCR)	M/V Essayons	None	VHF-FM 13 & 16	RM 18.3 OR side	39/20
29-Sep-20	26-Oct-20	24 Hrs/7 Days	Columbia River; Chinook Channel	M/V Heidi Renee	James T	VHF-FM 16 & 73	Area D, W-4.8-IW	39/20
29-Sep-20	6-Oct-20	24 Hrs/7 Days	Columbia River; Miller Sands (RM 22+00 to 22+45) (Backup for MCR)	M/V Essayons	None	VHF-FM 13 & 16	RM 18.3 OR side	39/20
18-Sep-20	21-Oct-20	24 Hrs/7 Days	Columbia River; Saint Helens (RM 84+45 to 85+38)	M/V Oregon	Clackmas, Ivanhoff, Williams	VHF-FM 13 & 16	TBD	37/20
28-Sep-20	31-Oct-20	12 Hrs/7 Days	Willamette River; McCall Oil Dock (RM 7.8)	M/V Sea Horse	Tug Husky Tug Terilyn	VHF-FM 13, 16, 67	TBD	38/20
6-Jul-20	5-Oct-20	10 Hrs/6 Days	Willamette River (RM 4.8 to 5.0 and 12.1 to 12.3)	M/V Sea Vulture	None	VHF-FM 13, 16, 67	TBD	27/20
28-Sep-20	31-Oct-20	Daylight Hours	Willamette River; Willamette Sailing Club (RM 15.7)	M/V Dredge #6	Santiam, Rossisle	VHF-FM 13 & 16	Ross Is Lagoon	37/20
1-Sep-20	28-Oct-20	Daylight Hours	Grays Harbor; Point Chehalis and Westport Marina	M/V Shark	None	VHF-FM 13, 16, 69	Point Chehalis IW Site	33/20
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
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	39/20

Mariners are advised that the start and ending dates for dredging activities may vary due to unforeseen on-site conditions, such as gill net fishing, weather and other factors.

USACE dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed with caution after passing arrangements have been made. Vessel(s) and/or equipment may encroach into the channel.

MARINE EVENTS

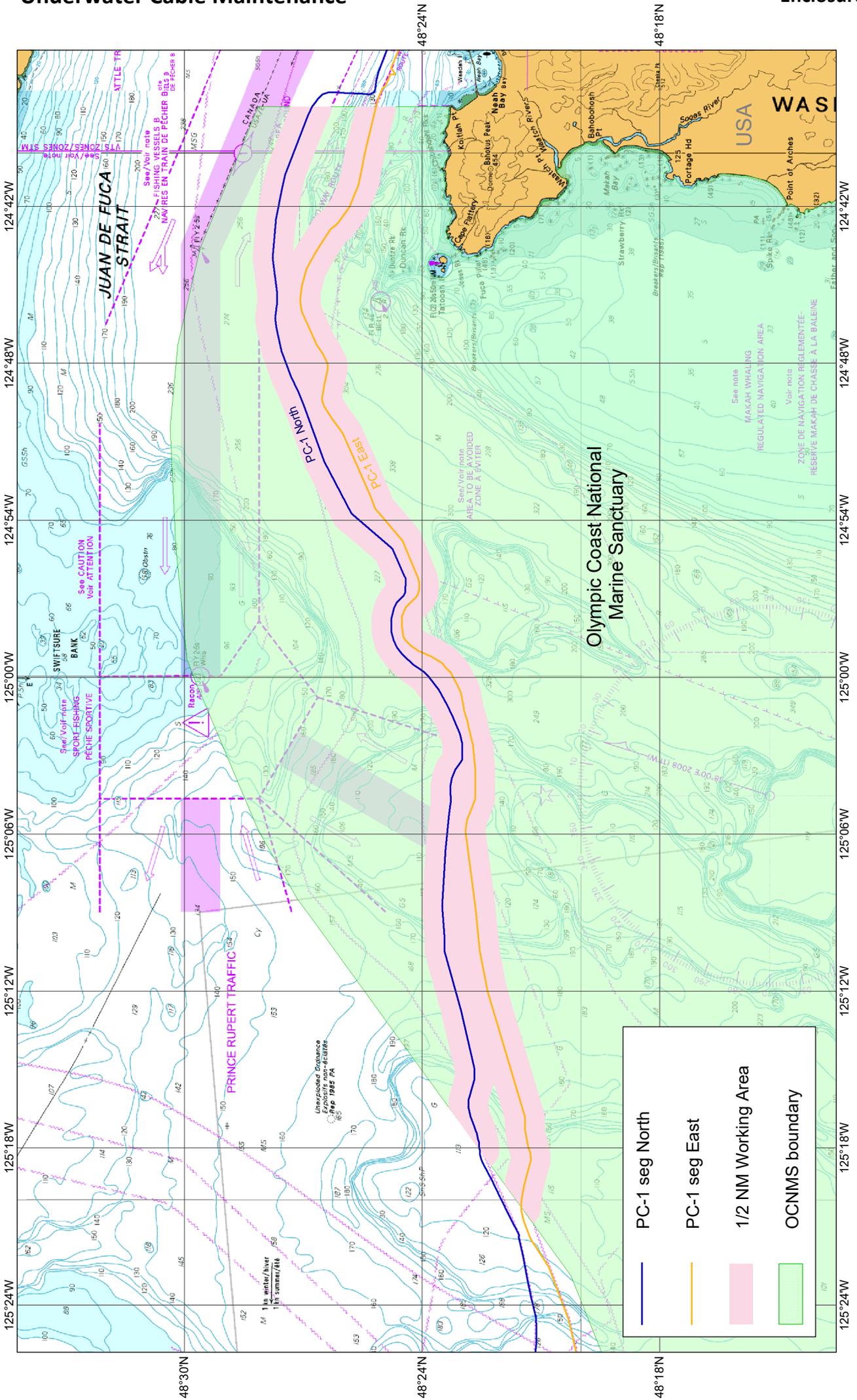
Enclosure (3)

SECTOR COLUMBIA RIVER MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
		None Scheduled	

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
1-Oct-20	1000-1800	Great Pumpkin Race	Central Puget Sound
3-Oct-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
3-Oct-20	1000-1800	Foulweather Bluff Race	Edmonds to Foulweather Bluff
10-Oct-20	1000-1500	CYCT Memorial Single Hand	Commencement Bay
10-Oct-20	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
10-Oct-20	0900-1600	CYCS Puget Sound Sailing Championships	West, North, and South of Shilshole Marina
11-Oct-20	0900-1600	CYCS Puget Sound Sailing Championships	West, North, and South of Shilshole Marina



PC-1 Cable Array

