



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 02/21

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®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 D13-0007-20	Ending BNM D13-0033-21
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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.

OREGON – COOS BAY – EMPIRE – Underwater drilling operations

GRI will be conducting drilling operations from a barge within Coos Bay for the City of Coos Bay's Empire boat ramp debris boom replacement project. The project is located near the City's Empire boat ramp debris boom in Coos Bay, Coos County, Oregon at Latitude/Longitude: 43-23-34.8N, 124-16-50.5 W. The drilling operations are scheduled for Monday, 01 Feb through Wednesday, 03 Feb 2021 between the hours of 0700 - 1700. For additional information, contact Brian Bayne at (503) 641-3478 or bbayne@gri.com.

Chart 18587

LNM: 02/21

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – MIDDLE BANK – Acoustic research buoys

SMRU Consulting will be testing an acoustic buoy in the Middle Bank area south of San Juan Island, from 27 Jan to 05 Mar 2021. The buoy will be monitoring underwater acoustic noise, and will be located in approximate position 48-23-6.1728N, 123-7-28.7112W. The buoy is 2-foot diameter, yellow in color, marked with a FL Y 6s light (flashing yellow six seconds). Mariners are requested to keep a safe distance from the buoy. For additional information, contact Jason Wood at (306) 298-0166 or email jw@smruconsulting.com.

Chart 18421

LNM: 02/21

WASHINGTON – PUGET SOUND – STILLAGUAMISH RIVER – Bridge notice

Washington State Department of Transportation will be cleaning and painting the I-5 Bridge (5/670W) over the Stillaguamish River west of Arlington, Washington on I-5 between mileposts 209.35 to MP 209.47. Construction will occur from March 2021 through October 2021. A containment system will be attached to the bridge 24-hours a day and will prevent any falling debris. There will be 8-14 feet of clearance above ordinary high water elevation. Work will not occur in the water, although one support vessel will be needed for worker safety. Mariners are advised to use caution while transiting the area. For additional information, contact Shane Spahr, P.E. at (360) 848-7103 or SpahrS@wsdot.wa.gov .

Chart 18441

LNM: 02/21

WASHINGTON – PUGET SOUND – APPLE COVE TO POINT KEYPORT – Subsurface research platform deployed (Revised from LNM 46/20)

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. The platform is now scheduled to be removed on approximately 19 Feb 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: 02/21

COLUMBIA RIVER – LAKE CELILO – Celilo Railroad Bridge notice

The Coast Guard intends to approve a request for a drawbridge temporary deviation from the operating schedule that governs the Celilo Bridge (LLNR 12203) across the Columbia River at mile 201.2, near Celilo, Oregon. After an approved deviation, the bridge need not open for maritime traffic from 0700 to 1800 on 08 - 12 Mar and 15 - 19 Mar 2021. The bridge may be opened for emergencies during the deviation times if a one-hour notice is given. No alternate routes exists on this part of the Columbia River. The subject bridge provides 18 feet of vertical clearance in the closed-to-navigation position and vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge shall operate in accordance to 33 CFR §117.869 at all other times. Mariners may submit any objections or comments to the District 13 Bridge Administrator at d13-smb-d13-bridges@uscg.mil no later than 27 Jan 2021.

Chart 18533

LNM: 01/21

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – St. Johns Railroad Bridge notice

The Coast Guard intends to approve a request for a draw bridge temporary deviation from the operating schedule that governs the St. Johns

Railroad Bridge (LLNR 14927.5), also known as Bridge 5.1, across the Willamette River at mile 6.9, at Portland, Oregon. After an approved deviation, the bridge need not open for maritime traffic from 0900 to 1500 during 08 - 12 Mar 2021. The bridge cannot open for emergencies during the deviation times. No alternate routes exists on this part of the Willamette River. The subject bridge provides 54 feet of vertical clearance in the closed-to-navigation position, and vessels that do not require a lift may continue to transit under the bridge during these times. The bridge shall operate in accordance to 33 CFR §117.5 at all other times. Mariners may submit any objections or comments to the District 13 Bridge Administrator at d13-smb-d13-bridges@uscg.mil no later than 27 Jan 2021.

Chart 18526

LMN: 01/21

WASHINGTON – EVERETT HARBOR – SNOHOMISH RIVER – SR-529 Highway Bridge notice

The Coast Guard intends to approve a request for a drawbridge temporary deviation from the operating schedule for the following bridges:

Bridge	LLNR	Waterway (mile)	Date	Time	Position	Clearance (high tide)
SR-529 (NB)	18594.11	Steamboat Slough (1.1)	28 Mar 2021	0700-1130	Closed-to-navigation	10 feet;
SR-529 (SB)	18594.9	Steamboat Slough (1.2)	28 Mar 2021	0700-1130	Closed-to-navigation	10 feet;
SR-529 (NB)	18591.3	Snohomish River (3.6)	28 Mar 2021	0700-1130	Closed-to-navigation	37 feet;
SR-529 (SB)	18591.2	Snohomish River (3.6)	28 Mar 2021	0700-1130	Closed-to-navigation	37 feet.

This deviation allows the span of the subject bridges near Marysville, WA, and Everett, WA, to remain in the closed-to-navigation position for the Everett Half Marathon. Vessels able to pass through the bridges in the closed-to-navigation position may do so at any time. The bridge spans will be able to open for marine emergencies. An alternate route for vessels to pass is available through Ebey Slough and Union Slough near the entrance of Steamboat Slough at high tide. In accordance with 33 CFR 117.35(e), the drawbridges must return to their regular operating schedule immediately at the end of the effective period of this temporary deviation. The bridge shall operate in accordance to 33 CFR § 117.1059 at all other times. Mariners may submit any objections or comments to the District 13 Bridge Administrator at d13-smb-d13-bridges@uscg.mil no later than 27 Jan 2021.

Chart 18444

LMN: 01/21

WASHINGTON – PUGET SOUND – HOOD CANAL – Small boat operations

U. S. Naval Base Kitsap will conduct tactical boat operations on 02 Feb 2021, from 0800-1200, on the eastern side of Hood Canal adjacent to the U.S. Naval Base Bangor. The exercise will occur in an area bound by these coordinates:

- 1) 47-44-03.0N / 122-45-11.4W
- 2) 47-44-35.4N / 122-44-47.4W
- 3) 47-44-28.2N / 122-44-27.6W
- 4) 47-43-55.8N / 122-44-51.6W

Mariners are required to remain at least 500 yards from the operating area, as well as the grey-hulled Navy Security vessels conducting the exercise. Navy Security vessels will be operating at high speeds and utilizing blank ammunition during firing exercises. The vessels can be contacted via VHF-FM channels 72 and 88A and 16. For more information on exercise, please contact Aaron Rossiter, Antiterrorism Officer, U.S. Naval Base Kitsap at (360) 396-9275 or email aaron.m.rossiter1@navy.mil.

Charts: 18458 18476

LMN: 52/20

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERTON – SINCLAIR INLET - Small boat operations

Naval Base Kitsap will be conducting Force Protection exercises on 03 February 2021 from 0800-1200, on the waterfront adjacent to Naval Base Kitsap-Bremerton in Sinclair Inlet. The exercise will take place in an area bound by these coordinates:

- 1) 47-33-07.8N / 122-39-07.8W
- 2) 47-33-07.8N / 122-38-31.8W
- 3) 47-32-55.8N / 122-38-31.8W
- 4) 47-32-55.8N / 122-39-07.8W

Mariners are required to remain at least 500 yards from the operating area, as well as the grey-hulled Navy Security vessels conducting the exercise. Navy Security vessels will be operating at high speeds and utilizing blank ammunition during firing exercises. The vessels can be contacted via VHF-FM channels 72 and 88A and 16. For more information on exercise, please contact Aaron Rossiter, Antiterrorism Officer, U.S. Naval Base Kitsap at (360) 396-9275 or email aaron.m.rossiter1@navy.mil.

Charts: 18449 18452

LMN: 52/20

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Large Lock closure

The large lock chamber of the Hiram M. Chittenden Locks will be closed from 0530 on 22 Mar until 1700 on 27 Mar 2021. The closure is necessary for a warranty inspection for the Stoney Gate Valve Replacement Project, which was completed in Fall 2020. The warranty inspection requires the large lock to be dewatered. The small lock chamber will remain open during this time and vessels up to 28-foot wide and 123-foot long will be able to transit through. Mariners can read more at: <https://www.nws.usace.army.mil/Media/News-Releases/Article/2458471/chittenden-locks-announces-upcoming-large-lock-closure/>. Additional questions may be directed to public affairs specialist Dallas Edwards at (206) 764-6958 or dallas.d.edwards@usace.army.mil.

Chart 18447

LMN: 52/20

OREGON – IDAHO – GPS testing

US Strategic Command has proposed GPS testing encompassing portions of eastern Oregon and western Idaho. The center point of the test will be near Boise, Idaho, at position 42-33-00.4N, 115-36-21.6W with a radius of 155 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 frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Universal Time Coordinated (UTC) or Zulu time:

18 JAN 21 / 1500Z - 2359Z
19 JAN 21 / 0001Z - 0030Z
21 JAN 21 / 1500Z - 2359Z
22 JAN 21 / 0001Z - 0030Z & 1500Z - 2359Z
23 JAN 21 / 0001Z - 0030Z
27 JAN 21 / 1830Z - 2359Z
28 JAN 21 / 0001Z - 0030Z & 1830Z - 2359Z
29 JAN 21 / 0001Z - 0030Z & 1830Z - 2359Z
30 JAN 21 / 0001Z - 0030Z
01 FEB 21 / 1500Z - 2359Z
02 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
03 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
04 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
05 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
06 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
08 FEB 21 / 1500Z - 2359Z
09 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
10 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
11 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
12 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
13 FEB 21 / 0001Z - 0030Z
15 FEB 21 / 1500Z - 2359Z
16 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
17 FEB 21 / 0001Z - 0030Z & 1830Z - 2359Z
18 FEB 21 / 0001Z - 0030Z & 1830Z - 2359Z
19 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
20 FEB 21 / 0001Z - 0030Z
22 FEB 21 / 1500Z - 2359Z
23 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
24 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
25 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
26 FEB 21 / 0001Z - 0030Z & 1500Z - 2359Z
27 FEB 21 / 0001Z - 0030Z

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>.

LNLM: 52/20

OREGON – IDAHO – GPS testing

US Strategic Command has proposed GPS testing encompassing portions of eastern Oregon and western Idaho. The center point of the test will be near Mountain Home, Idaho, at position 42-54-37.9N, 115-46-26.5W with a radius of 103 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 frequencies will be GPS L1 and L2. Testing dates and times are as listed below, using Universal Time Coordinated (UTC) or Zulu time:

01 FEB 21 / 0400Z - 1200Z
02 FEB 21 / 0531Z - 1200Z
03 FEB 21 / 0531Z - 1200Z
04 FEB 21 / 0531Z - 1200Z

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>.

LNLM: 52/20

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER - Burnside Bridge deviation

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, RM 12.4. Multnomah County is authorized to operate the bridge in single leaf mode from 04 Jan through 07 Feb 2021. The West Leaf will be locked in the closed-to-navigation position from 0700 on 04 Jan to 2359 on 17 Jan 2021 when marine traffic will use the East Leaf. The East Leaf will be locked in the closed-to-navigation position from 0700 on 18 Jan 2359 on 07 Feb when marine traffic will use the West Leaf. 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 is 100 feet. A service tug is available with a four-hour request. This deviation accommodates 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. For more information, contact Tye Aldana at tye.l.aldana@multco.us.

Chart 18526

LNLM: 51/20

WASHINGTON – PUGET SOUND – SEATTLE TO BREMERON – DUWAMISH WATERWAY – Marine construction

American Construction, Inc. will be conducting construction operations at the Port of Seattle Terminal 117 in the Duwamish Waterway commencing on 04 Jan through 31 Mar 2021. Work will include pile driving, in water sand capping, and construction of a public access pier. The Derrick Barge Palouse and the flat barge Skagit will be on scene; the Palouse will monitor VHF-FM channel 16. Anchors will be utilized and will be marked with lighted crown buoys located outside of the channel. Anchors wires will be slack when equipment is stationary. For additional information, contact John Blair at (408) 896-6051, or via email at johnb@americanconstco.com.

Chart 18450

LNM: 51/20

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. The effectiveness of the VPZ will be assessed during this trial, which runs until 31 Oct 2021. For more information, and to download a brochure, visit www.haidagwaii-vpz.ca or email info@haidagwaii-vpz.ca

Chart 501

LNM: 50/20

WASHINGTON - PUGET SOUND - HOOD CANAL - Military airborne water drop exercise

The US Army 1st Special Forces Group will be conducting military airborne water drop exercises in Hood Canal on 03 - 05 Feb 2020 and 08 - 10 Feb 2020. This exercise will take place in the Great Bend portion of Hood Canal near Annas Bay in approximate position 47-22.316N, 123-07.984W on the following dates and times:

- 0900-1800 on 03 Feb
- 0900-1800 on 04 Feb
- 0900-1800 on 05 Feb
- 1000-1500 on 08 Feb
- 1000-1500 on 09 Feb
- 1000-1500 on 10 Feb

The exercise will consist of aircraft and multiple small boats that will monitor VHF-FM channel 16. Mariners are advised to stay clear of this area and follow any instructions from military personnel.

Charts: 18448 18476

LNM: 50/20

WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR 520 West Approach Bridge South Bridge Replacement (Revised from LNM 31/20)

American Bridge Company will conduct demolition work on the existing SR520 West Approach Bridge South utilizing marine equipment from 18 Jan through 31 Aug 2021. The operating zone will be from approximately 1300 ft west of the west navigation channel up to and including the west lane of the western navigation channel (Channel A). Equipment will include two marine cranes on separate barges in addition to material and environmental containment barges primarily functioning from the south side of the bridge. During this period, the navigation channel directly west of the Floating Bridge Pontoon (Channel B) will remain open to vessels at all times but with periodic closures of the west lane (Channel A). Mariners are advised to transit with caution when navigating near the project area and that no boaters are permitted within the active work zone at any time. In addition, reduced speed and/or minimal wake is requested when transiting the navigation channels. A graphic representation of the demolition operating area and the channel locations is included as Enclosure (4) of this LNM. For more information, contact Eoin Duffy at (914) 263-5875 or email at eduffy@americanbridge.net.

Chart 18447

LNM: 50/20

OREGON - CAPE BLANCO TO YAQUINA HEAD - Scientific buoy deployment

The University of Oregon, College of Earth, Ocean and Atmospheric Sciences, will be deploying three scientific research buoys in December 2020 in the PacWave North Wave Energy Test Site, which is an offshore testing area located 2 miles west of Yaquina Head near Newport, Oregon. The buoys are yellow with flashing yellow lights every 2.5 seconds (FL Y 2.5s), and are located in the following positions:

- 44-41-21.1194 N, 124-08-40.5594 W
- 44-41-49.9200 N, 124-08-43.4394 W
- 44-40-54.4800 N, 124-08-39.8400 W

For more information contact Brett Hebrough at (541) 737-0923 and brett.hebrough@oregonstate.edu, or Burke Hales at (541) 737-8121 and burke.hales@oregonstate.edu. Additional information is available at www.pacwaveenergy.org.

Chart 18520

LNM: 49/20

WASHINGTON – PUGET SOUND – APPLE COVE TO KEYPORT – Submersible Vehicle testing (Revised from LNM 50/19)

The Naval Undersea Warfare Center (NUWC) at Keyport, WA will be continuing operations in the vicinity of NUWC between University Point, the Brownsville Marina and Keyport through 23 Dec 2021. Operations will normally be conducted Monday through Friday during daylight hours. Operations will involve semisubmersible 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: 49/20

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
665	Cape Kiwanda Whistle Buoy CK	OFF STA	18520	0020-21	02/21	
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	
8755	Coos Bay North Jetty Lighted Whistle Buoy 3	MISSING	18587	0874-20	51/20	
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	
9250	Umpqua River Regulated Navigation Area Warning Sign	LT EXT	18584	0031-21	02/21	
9451	Siuslaw River North Jetty Light 3	STRUCT DEST/LT EXT	18583	0023-21	02/21	
9520	Siuslaw River Channel Light 14	STRUCT DEST/TRLB	18583	0764-18	37/18	
9817	Tillamook Bay Entrance Lighted Bell Buoy 2	MISSING	18558	0873-20	51/20	
9935	Clatsop Spit Lighted Whistle Buoy 8	MISSING	18521	0872-20	51/20	
10330	Bayview Light 29	LT EXT	18523	0014-21	02/21	
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	
18890	Ben Ure Island Light 2	LT EXT	18427	0029-21	02/21	
19120	Swinomish Channel North Entrance Light 18	STRUCT DEST/TRLB	18427	0546-20	34/20	
19130	Swinomish Channel North Entrance Buoy 22	OFF STA	18427	0900-20	52/20	
19520	Rosario Strait Traffic Separation Lane Lighted Buoy C	RAC INOP	18430	0009-21	02/21	
19540	Iceberg Point Light 2	DAYMK IMCH	18429	0002-21	01/21	
19690	Haro Strait Lighted Buoy VD (C)	MISSING	18421	0016-21	02/21	
19695	Lime Kiln Light	LT EXT	18433	0033-21	02/21	
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	
	Coos Bay CG Mooring Buoy	SINKING	18587	0025-21	02/21	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10110	Astoria Lower Range Rear Light	RELIGHTED	18521	None	02/21	02/21
10400	Clifton Dike Light 42	REBUILT/RECOVERED	18523	0021-21	15/20	02/21

10635	Oak Point Light 81	RELIGHTED	18523	None	02/21	02/21
10825	Cottonwood Island Lower Range Rear Light	RELIGHTED	18524	None	02/21	02/21
10870	Cottonwood Island Dike Light 37	RELIGHTED	18524	None	02/21	02/21
15005	Elk Rock Buoy 10	RESET ON STATION	18528	0007-21	52/20	02/21
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	WATCHING PROPERLY	18471	0018-21	30/20	02/21
18440	Church Point Light 6	RELIGHTED	18457	None	02/21	02/21
19457	Rosario Strait Lighted Buoy 11	RESET ON STATION	18429	0017-21	40/20	02/21
19520	Rosario Strait Traffic Separation Lane Lighted Buoy C	RELIGHTED	18430	0009-21	01/21	02/21
19535	Rosario Strait Traffic Separation Lane Lighted Buoy CA	RESET ON STATION	18430	0008-21	47/20	02/21

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9657	Boat Basin Warning Marker	STRUCT DEST	18561	0027-21	02/21	
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	
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
17121	Ruston Way Outfall Lighted Buoy	RESET ON STATION	18453	0022-21	51/20	02/21
19605	Friday Harbor Pier Lights (2)	WATCHING PROPERLY	18434	0026-21	49/20	02/21

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	
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	
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	
18300	Kenmore Channel Lighted Buoy 4	DISCONTINUED FOR DREDGING	18447	0869-20	50/20	
19120	Swinomish Channel North Entrance Light 18	TRLB	18427	0573-20	35/20	

TEMPORARY CHANGES CORRECTED

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
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None

SECTION IV - CHART CORRECTIONS

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

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

18421	53rd Ed.	01-MAR-19	Last LNM: 04/19	NAD 83		02/21
<i>Chart Title: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor</i>						
CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A						
RELOCATE	Rosario Strait Lighted Buoy 11				CGD13 from 48-33-19.331N to 48-33-19.299N	122-45-44.222W 122-45-44.496W
18429	11th Ed.	01-MAY-14	Last LNM: 39/17	NAD 83		02/21
<i>Chart Title: Rosario Strait-southern part</i>						
Main Panel 1682 ROSARIO STRAIT SOUTH PART. Page/Side: N/A						
RELOCATE	Rosario Strait Lighted Buoy 11				CGD13 from 48-33-19.331N to 48-33-19.299N	122-45-44.222W 122-45-44.496W
18430	9th Ed.	01-JUL-10	Last LNM: 39/17	NAD 83		02/21
<i>Chart Title: Rosario Strait-northern part</i>						
Main Panel 1683 ROSARIO STRAIT NORTH PART. Page/Side: N/A						
RELOCATE	Rosario Strait Lighted Buoy 11				CGD13 from 48-33-19.331N to 48-33-19.299N	122-45-44.222W 122-45-44.496W
18524	38th Ed.	01-NOV-17	Last LNM: 47/17	NAD 83		02/21
<i>Chart Title: Columbia River Crims Island to Saint Helens</i>						
CHART OR-WA-COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS. Page/Side: N/A						
RELOCATE	Martin Island Dike Light 63 and Change height to 23ft, and nominal range to 4M.				CGD13 from 45-57-10.326N to 45-57-09.975N	122-48-24.144W 122-48-23.693W
18531	24th Ed.	01-DEC-17	Last LNM: 53/19	NAD 83		02/21
<i>Chart Title: Columbia River Vancouver to Bonneville; Bonneville Dam</i>						
CHART OR & WA - COLUMBIA RIVER - VANCOUVER TO BONNEVILLE. Page/Side: N/A						
RELOCATE	Cape Horn Light 67				CGD13 from 45-33-44.834N to 45-33-45.072N	122-12-42.241W 122-12-42.162W

ChartTitle: Snake River-Lake Herbert G. West

CHART WA - SNAKE RIVER - LAKE HERBERT G. WEST. Page/Side: N/A

RELOCATE McGuire Range Front Light and Change height to 23ft.

CGD13
from 46-34-24.850N 118-04-36.600W
to 46-34-25.005N 118-04-35.699W

ChartTitle: Snake River-Lake Bryon

CHART WA - SNAKE RIVER - LAKE BRYAN. Page/Side: N/A

RELOCATE Schultz Bar Range Front Light and Change height to 12ft.

CGD13
from 46-41-33.490N 117-29-29.371W
to 46-41-33.674N 117-29-29.008W

RELOCATE Schultz Bar Range Rear Light and Change height to 30ft.

CGD13
from 46-41-42.396N 117-29-12.175W
to 46-41-42.277N 117-29-12.373W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

Advance Notice(s)

OREGON – SIUSLAW RIVER – Construction of fixed Aids to Navigation (Revised from LNM 46/20)

The U.S. Coast Guard will be rebuilding the wooden and damaged aids to navigation in the Siuslaw River commencing January of 2021. 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, moving to the north to mark the turn in the channel, and the light is being changed to show a high intensity beam 1.5° each side of the southern channel centerline, with the light also 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: 50/20

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

WASHINGTON - GRAYS HARBOR – Testing of LED Range Lights

The U.S. Coast Guard is testing LED combination lantern systems to replace the incandescent lanterns. This change is expected to occur during December of 2020 at the location listed below:

Grays Harbor North Channel Range F Front Light (LLNR 15785) the high intensity beam width will be increased from 1° to 3° and the intensity of the light increased.

Grays Harbor North Channel Range F Rear Light (LLNR 15790) all characteristics 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-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River.

Chart 18502 LNM: 48/20

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)

WASHINGTON – WILLAPA BAY – Reduction in nominal range of Bay Center Channel Light 11

The U.S. Coast Guard is proposing to reduce the intensity of Bay Center Channel Light 11 (LLNR 15515) from 5 NM to 4 NM as the current light intensity is greater than is needed for the required geographic range of visibility of the light. The current light has a luminous range of 5.0 NM and the new light will have a range of 4.5 NM. Mariners are requested to respond in writing to the Coast Guard District office with any comments on this change at D13-SMB-D13-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector Columbia River.

Chart 18504

LNM: 50/20

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: 02/21

SUMMARY OF DREDGING OPERATIONS

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

LNM: 02/21

SUMMARY OF MARINE EVENTS

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

LNM: 02/21

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

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

Chart 18526

LNM: 42/20

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

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 – 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

Snake River – Oregon and Idaho – Brownlee to Swan Falls – Gamble Island Bridge replacement project (Revised from LNM 37/20)

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

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 LNM 47/20 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.

LNM: 44/20

Chart 18554

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

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)

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 – 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 LNM 47/20 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

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 – 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 – 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 – 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

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BELLINGHAM BAY – Scientific research buoy (Revised from LNM 47/20)

The US Geological Survey has deployed a research buoy in central Bellingham Bay approximately 1.7 nautical miles WSW of Squalicum Harbor in position 48-44-40.320 N, 122-32-57.180 W, from Nov 2020 until Apr 2021. The yellow research buoy is 2 feet diameter, sits 1 foot above the water surface and has an amber light flashing light every 2.5 seconds. Two small, orange 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: 49/20

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10975	MARTIN ISLAND DIKE LIGHT 63	45-57-09.975N 122-48-23.693W	Fl G 2.5s	23	4	SG on multi-pile structure.	02/21
11605	CAPE HORN LIGHT 67	* 45-33-45.072N 122-12-42.162W	Fl G 4s	* 31	* 4	SG on pole.	02/21
13655	MCGUIRE RANGE FRONT LIGHT	* 46-34-25.005N 118-04-35.699W	Q R	23		KRB on multi-pile structure.	Visible all around; higher intensity 1.5° each side of rangeline. 02/21
13845	SCHULTZ BAR RANGE FRONT LIGHT	* 46-41-33.674N 117-29-29.008W	Q R	* 12		KRW on multi-pile structure.	Visible all around. 02/21
13850	SCHULTZ BAR RANGE REAR LIGHT 483 yards, 053.1° from front light.	* 46-41-42.277N 117-29-12.373W	Iso R 6s	* 30		KRW on skeleton tower, on multi-pile structure.	Visible all around. 02/21
19457	* <i>Rosario Strait Lighted Buoy 11</i>	* 48-33-19.299N 122-45-44.496W	Fl G 2.5s	* 4	4	Green.	Buoy may be submerged during periods of extreme current. 02/21
		*					

ENCLOSURES

Enclosure 1

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

LNM: 02/21

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 02/21

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 02/21

If you have any questions, comments, or need additional information concerning this or other LNM's (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						
	14866 / 10086	Astoria Highway Bridge (South and North spans)	Astoria, OR	Lights extinguished	1/12/2021	0032-21
SNAKE RIVER						
	13617	Sergeant Railroad Bridge	Starbuck, WA	All pier lights are extinguished	10/24/2020	0744-20
WILLAMETTE RIVER						
	None					
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						
	10812.5	Lewis and Clark Highway Bridge	Longview, WA	Watching Properly	1/12/2021	None
SNAKE RIVER						
	None					
WILLAMETTE RIVER						
	None					
WASHINGTON COAST						
	None					
PUGET SOUND						
	None					
IDAHO						
	None					

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
18-Jan-21	15-Feb-21	24 Hrs/7 Days	Coquille River; Bandon Boat Basin	N/A	N/A	VHF-FM 16 & 17	Floating pipeline	02/21
2-Jan-21	28-Feb-21	12 Hrs/7 Days	Columbia River; Ilwaco Marina	Port of Ilwaco Dredge	Port of Ilwaco Skiff	VHF-FM 16 & 69	Ashore via pipeline	51/20
2-Jan-21	28-Feb-21	TBD	Columbia River; Astoria, West Mooring basin (RM 13)	N/A	Bergerson Construction	VHF-FM 13 & 16	TBD	51/20
11-Jan-21	28-Feb-21	0600-1700 Mon-Fri	Columbia River; Willow (RM 96-98 WA side)	Dredge 7	N/A	VHF-FM 13, 16, 79	Ashore	02/21
6-Nov-20	28-Feb-21	24 Hrs/7 Days	Columbia River; Lady Island (RM 118 to 119)	Dredge Moray	N/A	VHF-FM 78	RM 118.5 OR Side	45/20
4-Jan-21	14-Feb-21	24 Hrs/7 Days	Grays Harbor; Inner Harbor, Cow Point	M/V Sea Horse	Tug Rachele	VHF-FM 13, 16, 67	Point Chehalis	52/20
14-Dec-20	1-Feb-21	24 Hrs/7 Days	Lake Washington; Kenmore Channel	M/V Mukilteo	None	VHF-FM 13 & 16	Ashore via Duwamish	48/20
12-Dec-20	31-Jan-21	24 Hrs/7 Days	Snohomish River, Everett	M/V Heidi Renee	James T	VHF-FM 14, 16, 72	Port Gardner	02/21

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	

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
16-Jan-21	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
16-Jan-21	1100-1500	SBYC Snowbird Race Early Series	Shilshole Bay
23-Jan-21	1000-1600	SBYC Saturday Series	Dungeness Spit to McCurdy Pt/Sequim Bay
23-Jan-21	1030-1730	STYC Iceberg	Shilshole Bay
23-Jan-21	1000-1600	CYCT Harbor Series #1	Des Moines to Commencement Bay
23-Jan-21	0900-1600	CYCS Frigid Digit	Shilshole Bay
24-Jan-21	1200-1600	Milltown Winter Race Series	Possession Sound
24-Jan-21	0900-1600	CYCS Frigid Digit	Shilshole Bay