



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 03/20

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067
Telephone: (206) 220-7280
Email: D13-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 7, 2019 Edition.

Light List Volume VI, 2020 Edition is available at https://www.navcen.uscg.gov/pdf/lightLists/LightList_V6_2020.pdf

Coast Pilots, along with corrections, are available at: www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html. Print on Demand (POD) copies are available for purchase at: www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot.

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The NIS also disseminates Safety Broadcasts / Broadcast Notice to Mariners (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website:

<https://www.navcen.uscg.gov/-pageName=GPS>.

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>

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 D13-0053-20 | Ending BNM D13-0081-20 |
|----------------------------------|------------------------------|---------------------------|

ABBREVIATIONS

A through H

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

I through O

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

P through Z

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

EXT - Extinguished
F - Fixed
fl - flash
Fl - Flashing
G - Green
GIWW - Gulf Intracoastal Waterway
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height

N/C - Not Charted
NGA - National Geospatial-Intelligence Agency
NO/NUM - Number
NOS - National Ocean Service
NW - Notice Writer
OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
Oc - Occulting
ODAS - Anchored Oceanographic Data Buoy

STRUCT - Structure
St M - Statute Mile
TEMP - Temporary Aid Change
TMK - Topmark
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TRUB - Temporarily Replaced by Unlighted Buoy
USACE - Army Corps of Engineers
W - White
Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

AtoN - Aids to Navigation
COTP - Captain of the Port
CPA - Closest Point of Approach
LLNR - Light List Number

NAVcen - U.S. Coast Guard Navigation Center
NM - Nautical Miles
ODOT - Oregon Department of Transportation
RM - River Mile Marker

S-AIS - Synthetic AIS
VTS - Vessel Traffic Service
WSDOT - Washington State Department of Transportation
TSS - Traffic Separation Scheme

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

OREGON – WASHINGTON – 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

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – Lewis and Clark Highway Bridge inspection

WSDOT will be inspecting the Lewis and Clark Highway Bridge (LLNR 10812.5) at Columbia River mile 66.0 between Rainier, OR, to Longview, WA. The inspection will take place between 0900 and 1500 daily from 24 Feb 2020 to 28 Feb 2020. The bridge will be inspected using an under bridge inspection truck (UBIT) that may extend booms under the bridge. Most marine traffic will not be impacted, however, the vertical clearance will be reduced up to 10 feet. Mariners are advised to use caution while transiting the area, and be aware of fall hazards. UBIT buckets will have flashing amber lights. UBIT operators will watch for and give way to tall marine vessels. For more information on the bridge inspections, contact Jim Patton at (360) 628-4439 or pattonj@wsdot.wa.gov.

Chart 18524

LNM: 03/20

COLUMBIA RIVER – BLALOCK ISLAND TO MCNARY DAM – Temporary lock closure at McNary lock and dam

The navigation lock at McNary Lock and Dam, located at Columbia River Mile 292, will be closed to river traffic on 29 Jan 2020, from 0800 to 1400, to allow maintenance workers to perform required testing of the navigation lock electrical system. For additional information contact the McNary Chief Operator at (541) 922-2231, Call Sign: WUJ41 or NWW Operations Division at (509) 527-7364.

Chart 18539

LNM: 03/20

SNAKE RIVER – LAKE SACAJAWEA – Ice Harbor navigation lock slower lockage times

Due to maintenance work required on one of the navigation lock drain valves at Ice Harbor Lock and Dam, Snake River Mile 9.7, vessels transiting the lock will experience longer lockages until 31 Jan 2020. Lockage times during this period are expected to average 55-60 minutes. For additional information, contact the Ice Harbor Operator at (509) 543-3231, Call sign WUJ42 or NWW Operations Division at (509) 527-7364.

Chart 18545

LNM: 03/20

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

The Coast Guard intends to change an approved 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. Containment will be installed under half of the 1st Avenue South Highway Bridge, and reduce the vertical clearance by ten feet from 39 feet center to 29 feet center, and from 22 feet to 12 feet on the sides. The deviation is necessary to accommodate WSDOT’s bridge equipment replacement. The span closure dates and times are:

2100 on 07 Feb 2020 to 0800 on 15 Feb 2020;

2100 on 15 Feb 2020 to 0800 on 16 Feb 2020;

2100 on 21 Feb 2020 to 0500 on 24 Feb 2020;

2100 on 13 Mar 2020 to 0500 on 16 Mar 2020;

And the following dates are backup closures if needed:

2100 on 20 Mar 2020 to 0500 on 23 Mar 2020;

2100 on 27 Mar 2020 to 0500 on 30 Mar 2020.

The 1st Avenue South Bridge shall fully open on signal when at least 72 hours' notice has been given by mariners from 2100 on 07 Feb 2020, to 2359 on 14 Feb 2020. During the remainder of the approved closure times, the subject bridge shall open fully on signal when at least 72 hours' notice has been given by Delta Marine. Additionally, the subject bridge need not open 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 these closures, the draw of the 1st Avenue South Bridge will not be able to open to marine vessels engaged in emergency operations. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information, contact Justin Sieg at (425) 961-2769.

Chart 18450

LNLM: 03/20

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden large lock closure

The large lock chamber of the Hiram M. Chittenden Locks in Ballard will close at 0530 on 12 Feb 2020 until approximately 05 Apr 2020. The small chamber will remain open during this time and vessels up to 28-foot wide by 123-foot long are able to use it. This is the second of five extended closures for the large lock over the next two years to replace the Stoney Gate Valves, which are original equipment that must be replaced to keep the 101-year-old Chittenden Locks safe and operational for years to come. The Seattle District website has a Locks Closure page that includes emergency, scheduled and projected outages. It is still under construction, but does have information about the Stoney Gate Valve project scheduled closures populated on it and will continue to be updated. You can reach the page at the following link;

<https://go.usa.gov/xVtwc>

If you have any questions or need information please email (preferred) or call: the Stoney Gate Valve Project Manager Peter Gibson at peter.d.gibson@usace.army.mil or (206) 764-3785 or the Operations Project Manager Jon Hofstra at jonathan.c.hofstra@usace.army.mil or (206) 297-9737

Chart 18447

LNLM: 03/20

OREGON - WASHINGTON – IDAHO – 2020 Light List now available

2020 Light Lists are available on the USCG Navigation Center's website at: <http://www.navcen.uscg.gov/?pageName=lightLists>. Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. The last government printed Light Lists were the 2014 editions. While the Light Lists will no longer be available in government printed form, commercial reproductions may be available for purchase from maritime service providers. Local Notice to Mariners will continue to advise Light List corrections and NAVCEN will continue to publish a compilation of corrections. Complete versions of the 2020 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: <http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>. A summary of weekly 2020 Light List corrections are available at: <https://www.navcen.uscg.gov/?pageName=lightListCorrections>.

LNLM: 02/20

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – LONGVIEW – Bridge notice

WSDOT will be inspecting the Lewis and Clark Highway Bridge (LLNR 10812.5) at Columbia River RM 66.0 near Longview, WA. The inspection will take place between 0900 and 1500 daily from 24 Feb 2020 to 28 Feb 2020. The bridge will be inspected using three under bridge inspection trucks (UBIT) that occupy a portion of the roadway and extend booms under the bridge. Most marine traffic will not be impacted; however, the vertical clearance will be reduced up to 10 feet during UBIT operations. Mariners are advised to use caution while transiting the area, and be aware of fall hazards. UBIT buckets will have flashing amber lights. UBIT operators will watch for and give way to tall marine vessels. For more information on the bridge inspections, contact Jim Patton at (360) 628-4439 or email pattonj@wsdot.wa.gov.

Chart 18524

LNLM: 02/20

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – LONGVIEW – Marine construction

Advanced American Construction (AAC) will be conducting marine construction at the confluence of the Columbia and Cowlitz Rivers, near RM 67-68, from on or about 13 Jan to 31 Mar 2020. AAC's Derrick Barge "DB 4000", tug "Ruth", and additional work barges will be onsite and conducting operations including dock demolition, pile driving, and dock construction. AAC will be monitoring VHF-FM channel 16 during the working hours of 0700 through 1700, Monday through Friday. The floating equipment will remain on-station during non-working hours and will be illuminated at night by steady white lights on all corners. Mariners are asked to transit through the area with extreme caution and minimize wake. For additional questions, contact Mike Schoeff at (503) 502-9815 or mschoeff@advanced-american.com.

Chart 18524

LNLM: 01/20

COLUMBIA RIVER – ST. HELENS TO VANCOUVER – BNSF Vancouver Railroad Bridge deviation

The Coast Guard intends to issue a temporary deviation from the operating schedule that governs the Burlington Northern Santa Fe (BNSF) Vancouver Railroad Bridge (LLNR 11250) across the Columbia River, RM 105.6, at Vancouver, WA. This deviation is necessary to accommodate bridge equipment replacement. The deviation allows the swing span of the BNSF Vancouver Railroad Bridge to remain in the closed position, from 0700 until 1700 daily during a 14-day project from 8 Mar to 20 Mar 2020. The subject bridge may be opened for emergencies if a one-hour notice is given. Vessels that do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge shall operate in accordance to 33 CFR §117.5 at all other times. Please submit your comments to d13-pf-d13bridges@uscg.mil before 23 Jan 2020.

Charts: 18525 18526

LNLM: 01/20

WASHINGTON – GRAYS HARBOR – ABERDEEN – Bridge notice

WSDOT will be inspecting the Chehalis River Bridge (LLNR 15897) that spans the Chehalis River near Aberdeen, WA. The inspection will take place between 0800 and 1500 on 09-12 Mar 2020. The bridge will be inspected using an under-bridge inspection truck (UBIT) that occupies a portion of the roadway and extends a boom under the bridge. There will be a ten (10) foot reduction of vertical clearance while the UBIT is under the

bridge, however UBIT will promptly give way to any marine vessel requiring room and bridge openings will occur as usual. Mariners are advised to use caution while transiting the area. UBIT bucket will have a flashing orange light on the bottom and a safety lookout will be on the bridge. For additional information, contact Alan Kuper at (360) 701-0556 or kupera@wsdot.wa.gov

Chart 18502

LNM: 01/20

WASHINGTON - PUGET SOUND – SEATTLE TO BREMERTON – DUWAMISH WATERWAY - Bridge deviation

The Coast Guard has approved a temporary deviation from the operating schedule that governs the 1st Avenue South Highway Bridge (LLNR 16887) across the Duwamish Waterway, mile 2.5, in Seattle. Containment will be installed under half of the 1st Avenue South Highway Bridge, and reduce the vertical clearance by ten feet from 39 feet center to 29 feet center, and from 22 feet on the sides to 12 feet on the sides. The deviation is necessary to accommodate WSDOT's bridge equipment replacement. The span closure dates and times are:

- 2100 on 07 Feb 2020 to 0800 on 08 Feb 2020;
- 2100 on 08 Feb 2020 to 0800 on 09 Feb 2020;
- 2100 on 14 Feb 2020 to 0800 on 15 Feb 2020;
- 2100 on 15 Feb 2020 to 0800 on 16 Feb 2020;
- 2100 on 21 Feb 2020 to 0500 on 24 Feb 2020;
- 2100 on 13 Mar 2020 to 0500 on 16 Mar 2020;
- 2100 on 20 Mar 2020 to 0500 on 23 Mar 2020 (back up closure);
- 2100 on 27 Mar 2020 to 0500 on 30 Mar 2020 (back up closure).

During these closures, the draw of the 1st Avenue Bridge will not be able to open to marine vessels engaged in emergency operations. Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. For more information, contact Justin Sieg at (425) 961-2769.

Chart 18450

LNM: 01/20

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE UNION – Bridge deviation

The Coast Guard has approved a temporary deviation from the operating schedule that governs the University Street Bridge (LLNR 18235), across the Lake Washington Ship Canal in Seattle at mile 4.3. The University Bridge will only be able to operate in single leaf mode (half of the span) from 0700 to 1500 daily from 12 Feb to 05 Apr 2020. After 1500 each day, the bridge will return to full operation. A service barge will be moored under the subject bridge to operate a lift boom, and will be lighted per Coast Guard regulations. The service barge will occupy 45 feet of the Ship Canal. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The University Street Bridge will only be able to open half of the span for vessels engaged in emergency response operations during this closure period. For more information, contact Matt Donahue at (206) 684-5301.

Chart 18447

LNM: 01/20

WASHINGTON – PUGET SOUND – DUWAMISH WATERWAY - In-water geotechnical boring activity

As part of Sound Transit's West Seattle and Ballard Link Extensions Project, a contractor will be conducting up to two geotechnical borings in the West Duwamish Waterway near the West Seattle Freeway Bridge (LLNR 16870.2). Geotechnical drilling will occur 24 hours a day for approximately ten days between 12 Jan and 21 Feb 2020. Work will occur outside of the federal channel from a barge moored using spuds channel. The barge captain will be monitoring VHF-FM Ch 18 and can also be reached via cell phone at (206) 459-1737. For additional Project information, please contact (206) 903-7229 or wsblink@soundtransit.org.

Chart 18450

LNM: 53/19

WASHINGTON – LAKE WASHINGTON SHIP CANAL – In-water geotechnical boring activity

As part of Sound Transit's West Seattle and Ballard Link Extensions Project, a contractor will be conducting up to ten geotechnical borings in the waters of the Lake Washington Ship Canal just east of the Ballard Street Bridge (LLNR 18180). Geotechnical drilling will occur during daylight hours between 12 Feb and 15 Apr 2020. Work will occur outside of the federal channel from a barge moored using spuds. The barge will be in place 24 hours a day until completion of the borings. The barge captain will be monitoring VHF-FM Ch 18 and can also be reached via cell phone at (206) 459-1737. For additional Project information, please contact (206) 903-7229 or wsblink@soundtransit.org.

Chart 18447

LNM: 53/19

WASHINGTON - ROSARIO STRAIT TO CHERRY POINT – Pier damage and underwater obstruction (Revised from LNM 51/19)

A vessel allision with the INTALCO Pier in Ferndale, WA, at position 48-50-22.090N, 122-43-15.670W, has caused significant damage to the structure. The private AtoN INTALCO Pier South Light (LLNR 19894) was destroyed in the incident and has been moved to the north on the remaining pier in approximate position 48-50-24.662N, 122-43-16.892W. A mooring buoy has been temporarily set near the location of the previously southern end of the pier, in approximate position 48-50-22.112N, 122-43-14.825W.

Charts: 18421 18431

LNM: 53/19

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|--------|---|-------------|-----------|----------|--------|---------|
| 590 | NOAA Environmental Lighted Buoy 46015 | MISSING | 18580 | 0932-19 | 48/19 | |
| 645 | Yaquina Bay Approach Lighted Whistle Buoy Y | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 755 | Strait of Juan De Fuca Traffic Separation Lane Lighted Whistle Buoy J | MISSING | 18460 | 0482-19 | 28/19 | |
| 765 | Duntze Rock Lighted Bell Buoy 2 | MISSING | 18485 | 0074-19 | 04/19 | |
| 765.1 | NOAA Environmental Lighted Buoy 46002 | MISSING | 18007 | 0407-17 | 20/17 | |
| 765.45 | DART Tsunami Warning Lighted Buoy 46452 | ADRIFT | 18003 | 1009-18 | 49/18 | |
| 8635 | Chetco River Entrance Light 9 | STRUCT DEST | 18602 | 0248-19 | 15/19 | |
| 9520 | Siuslaw River Channel Light 14 | STRUCT DEST | 18583 | 0764-18 | 37/18 | |
| 9575 | Yaquina Bay Approach Lighted Whistle Buoy Y | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9590 | Yaquina Bay Entrance Lighted Gong Buoy 1 | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9595 | Yaquina Bay Entrance V-AIS 2 | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9600 | Yaquina Bay Entrance Lighted Buoy 3 | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9605 | Yaquina Bay South Jetty Light 4 | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9608 | Yaquina Bay North Jetty V-AIS 5 | AIS INOP | 18581 | 0959-19 | 50/19 | |
| 9846 | Garibaldi Channel Light 11 | STRUCT DEST | 18558 | 0849-18 | 40/18 | |
| 10105 | Astoria Lower Range Front Light | LT EXT | 18521 | 0072-20 | 03/20 | |
| 10525 | Westport Channel Lighted Buoy 68 | OFF STA | 18523 | 0641-19 | 35/19 | |
| 10975 | Martin Island Dike Light 63 | STRUCT DMGD | 18524 | 0511-18 | 24/18 | |
| 14385 | Franklin D. Roosevelt Lake Buoy 22 | MISSING | 18553 | None | 43/19 | |
| 14435 | Baker Bay West Channel Daybeacon 7 | STRUCT DEST | 18521 | 0739-17 | 35/17 | |
| 14720 | Cathlamet Bay South Channel Light 2 | LT EXT | 18521 | 0017-20 | 01/20 | |
| 15040 | Oswego Rock Daybeacon | STRUCT DEST | 18528 | 0394-17 | 20/17 | |
| 15210 | Willapa Bay Entrance Light 13 | STRUCT DEST | 18504 | 0839-16 | 38/16 | |
| 15571 | Grays Harbor Entrance Lighted Whistle Buoy 8 | LT EXT | 18502 | 1022-19 | 53/19 | |
| 15795 | Grays Harbor North Channel Lighted Buoy 44 | LT EXT | 18502 | 0049-20 | 02/20 | |
| 16135 | Strait of Juan De Fuca Traffic Separation Lane Lighted Whistle Buoy J | MISSING | 18460 | 0482-19 | 28/19 | |
| 16150 | Duntze Rock Lighted Bell Buoy 2 | MISSING | 18485 | 0074-19 | 04/19 | |
| 16405 | Puget Sound Traffic Separation Lane Lighted Buoy SA | RAC INOP | 18471 | 0052-20 | 02/20 | |
| 18760 | Strawberry Point Light 3 | LT EXT | 18421 | 0077-20 | 03/20 | |

DISCREPANCIES (FEDERAL AIDS) CORRECTED

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|---|-------------------|-----------|----------|--------|---------|
| 9590 | Yaquina Bay Entrance Lighted Gong Buoy 1 | RELOCATED | 18581 | 0070-20 | 02/20 | 03/20 |
| 9605 | Yaquina Bay South Jetty Light 4 | RELIGHTED | 18581 | None | 03/20 | 03/20 |
| 9935 | Clatsop Spit Lighted Whistle Buoy 8 | RELOCATED | 18521 | 0073-20 | 52/19 | 03/20 |
| 10170 | Harrington Point Range Lighted Buoy 50 | RELIGHTED | 18521 | 0074-20 | 02/20 | 03/20 |
| 11495 | Lady Island Range Rear Light | WATCHING PROPERLY | 18531 | None | 03/20 | 03/20 |
| 11790 | Bonneville Pool Light 7 | RELIGHTED | 18531 | None | 03/20 | 03/20 |
| 16400 | Point Partridge Light | RELIGHTED | 18471 | 0063-20 | 02/20 | 03/20 |
| 16815 | Puget Sound Traffic Separation Lane Lighted Buoy SG | WATCHING PROPERLY | 18446 | None | 03/20 | 03/20 |
| 16815 | Puget Sound Traffic Separation Lane Lighted Buoy SG | WATCHING PROPERLY | 18446 | None | 03/20 | 03/20 |
| 16920 | Puget Sound Traffic Separation Lane Lighted Buoy T | RELIGHTED | 18449 | 0079-20 | 02/20 | 03/20 |
| 17085 | Puget Sound Traffic Separation Lane Lighted Buoy TC | RELIGHTED | 18474 | 0080-20 | 02/20 | 03/20 |

| | | | | | | |
|-------|--|-----------|-------|---------|-------|-------|
| 17090 | Browns Point Light | RELIGHTED | 18453 | 0064-20 | 02/20 | 03/20 |
| 17656 | Klas Rock Light | RELIGHTED | 18477 | 0055-20 | 02/20 | 03/20 |
| 17720 | Tala Point Junction Light | RELIGHTED | 18477 | 0054-20 | 02/20 | 03/20 |
| 19320 | Lawson Reef Junction Lighted Bell Buoy | RELIGHTED | 18427 | 0056-20 | 02/20 | 03/20 |
| 19370 | Lopez Pass Light 2 | RELIGHTED | 18429 | 0062-20 | 01/20 | 03/20 |
| 19520 | Rosario Strait Traffic Separation Lane Lighted Buoy C | RELIGHTED | 18430 | 0058-20 | 02/20 | 03/20 |
| 19525 | Village Point Light 18 | RELIGHTED | 18430 | 0059-20 | 53/19 | 03/20 |
| 19535 | Rosario Strait Traffic Separation Lane Lighted Buoy CA | RELIGHTED | 18430 | 0066-20 | 02/20 | 03/20 |

DISCREPANCIES (PRIVATE AIDS)

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|---|-------------|-----------|----------|--------|---------|
| 10455 | Chip Dock Light | LT EXT | 18523 | 0855-19 | 44/19 | |
| 16115 | University of Washington LaPush Research Lighted Buoy | MISSING | 18480 | 0944-19 | 49/19 | |
| 16840 | Smith Cove Lighted Buoy 1 | OFF STA | 18450 | 0075-20 | 03/20 | |
| 16925 | Blake Island Light 1 | REDUCED INT | 18449 | 0946-19 | 49/19 | |
| 18412 | Kamilche Sea Farms Lighted Buoy A | MISSING | 18448 | 1024-19 | 53/19 | |
| 18750 | Crescent Harbor Navy Pier Breakwater Light | LT EXT | 18428 | 0051-20 | 02/20 | |
| 19230 | Georgia Pacific Outfall Lighted Buoy | OFF STA | 18424 | 0020-20 | 02/20 | |
| 19272 | Bellingham Harbor Shoal Buoy A | OFF STA | 18424 | 0018-20 | 02/20 | |
| 19273 | Bellingham Harbor Shoal Buoy B | OFF STA | 18424 | 0019-20 | 02/20 | |
| 19440 | Shoal Bay Aquaculture Lighted Buoy | LT EXT | 18430 | 0986-19 | 51/19 | |
| 19755 | Pearl Island Dock Light | LT IMCH | 18433 | 0937-19 | 48/19 | |
| 19894 | Intalco Pier South Light | STRUCT DEST | 18431 | 0988-19 | 51/19 | |

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

None

PLATFORM DISCREPANCIES

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

PLATFORM DISCREPANCIES CORRECTED

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|--|------------------------|-----------|----------|--------|---------|
| 8635 | Chetco River Entrance Light 9 | TRLB | 18602 | 0436-19 | 25/19 | |
| 9520 | Siuslaw River Channel Light 14 | TRLB | 18583 | 0764-18 | 37/18 | |
| 9846 | Garibaldi Channel Light 11 | TRLB | 18558 | 0857-18 | 41/18 | |
| 14435 | Baker Bay West Channel Daybeacon 7 | TRUB | 18521 | 0755-17 | 35/17 | |
| 15040 | Oswego Rock Daybeacon | TRUB | 18528 | 0404-17 | 20/17 | |
| 15595 | Grays Harbor Channel Lighted Whistle Buoy 11 | RELOCATED FOR DREDGING | 18502 | 0307-19 | 18/19 | |

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

PLATFORM TEMPORARY CHANGES CORRECTED

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

SECTION IV - CHART CORRECTIONS

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

| Chart Number | Chart Edition | Edition Date | Last Local Notice to Mariners | Horizontal Datum Reference | Source of Correction | Current Local Notice to Mariners |
|--|------------------------------|-----------------------------|-------------------------------|----------------------------|------------------------|----------------------------------|
| 12327 | 91st Ed. | 19-APR-97 | Last LNM: 26/97 | NAD 83 | | 27/97 |
| Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER | | | | | | |
| Main Panel 2245 NEW YORK HARBOR | | | | | | |
| (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.

18521 **77th Ed.** **01-MAR-19** **Last LNM: 46/17** **NAD 83** **03/20**

Chart Title: Columbia River Pacific Ocean to Harrington Point;Ilwaco Harbor
CHART OR - WA - COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT - ILWACO HARBOR. Page/Side: N/A

| | | | | |
|----------|-------------------------------------|-------|--------------------|----------------|
| RELOCATE | Clatsop Spit Lighted Whistle Buoy 8 | CGD13 | from 46-15-00.485N | 124-04-43.710W |
| | | | to 46-14-58.106N | 124-04-46.303W |

18561 **13th Ed.** **01-DEC-11** **Last LNM: 46/17** **NAD 83** **03/20**

Chart Title: Approaches to Yaquina Bay;Depoe Bay
CHART OR - APPROACHES TO YAQUINA BAY. Page/Side: N/A

| | | | | |
|----------|--|-------|--------------------|----------------|
| RELOCATE | Yaquina Bay Entrance Lighted Gong Buoy 1 | CGD13 | from 44-36-13.871N | 124-06-03.359W |
| | | | to 44-36-13.712N | 124-06-02.410W |

18580 **24th Ed.** **01-FEB-18** **Last LNM: 40/17** **NAD 83** **03/20**

Chart Title: Cape Blanco to Yaquina Head
Main Panel 1791 CAPE BLANCO TO YAQUINA HEAD - -. Page/Side: -

| | | | | |
|----------|--|-------|--------------------|----------------|
| RELOCATE | Yaquina Bay Entrance Lighted Gong Buoy 1 | CGD13 | from 44-36-13.871N | 124-06-03.359W |
| | | | to 44-36-13.712N | 124-06-02.410W |

18581 **19th Ed.** **01-OCT-11** **Last LNM: 46/17** **NAD 83** **03/20**

Chart Title: Yaquina Bay and River;Continuation of Yaquina River
CHART OR - YAQUINA BAY AND RIVER. Page/Side: N/A

| | | | | |
|----------|--|-------|--------------------|----------------|
| RELOCATE | Yaquina Bay Entrance Lighted Gong Buoy 1 | CGD13 | from 44-36-13.871N | 124-06-03.359W |
| | | | to 44-36-13.712N | 124-06-02.410W |

18584 **48th Ed.** **01-MAY-07** **Last LNM: 37/17** **NAD 83** **03/20**

Chart Title: Umpqua River Pacific Ocean to Reedsport
Main Panel 1795 UMPQUA RIVER PACIFIC OCEAN TO REEDSPORT. Page/Side: N/A

RELOCATE Umpqua River Light 21
and Change nominal range to 4M.

CGD13
from 43-44-55.086N
to 43-44-55.124N

124-07-54.047W
124-07-54.134W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)
None

Project Date Ref. LNM

Advance Notice(s)

OREGON – COQUILLE RIVER – Conversion of the continuous sound signal to a Marine Radio Activated Sound Signal (Revised from LNM 16/19)

The U.S. Coast Guard is planning to change the sound signal on Coquille River South Jetty Light 8 (LLNR 8700) from a continuously sounding fog signal to a Marine Radio Activated Sound Signal (MRASS). The date for the completion of this change has been delayed for the allowance of additional public comment. The fog signal will be activated by the maritime users as needed by keying a VHF-FM microphone five (5) times on the assigned frequency of VHF-FM channel 83A (157.175 MHz). The Sound Signal will activate for approximately one half hour (30 minutes) and then cease. A Broadcast Notice to Mariners will be issued upon the completion of the change, and it will be published in Local Notice to Mariners. 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-PF-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to US Coast Guard Sector North Bend.

Charts: 18580 18588

LNM: 19/19

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 changes are expected to occur during the winter of 2019 or spring of 2020. The remaining changes are:

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

Willow Upper Range Rear Light (LLNR 11160) 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-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.

Charts: 18524 18525

LNM: 52/19

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

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

Chart 18480

LNM: 49/19

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)

Closing

Docket No.

Ref. LNM

None

Proposed Change Notice(s)

None

SECTION VII - GENERAL

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

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS

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

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS

LNM: 03/20

SUMMARY OF DREDGING OPERATIONS

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

LNM: 03/20

SUMMARY OF MARINE EVENTS

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

LNM: 03/20

OREGON – COOS BAY – McCullough Highway Bridge Notice

ODOT will be painting and preserving the McCullough Highway Bridge (US 101) (LLNR 9009) at North Bend, Oregon, across Coos Bay, mile 9.5, from 01 Apr 2019 through 31 Mar 2021, from 0700-1900 seven days per week. The subject bridge provides 148 feet of vertical clearance, which will be reduced to 145.5 feet with the containment system. The containment will be marked with flashing amber lights. Mariners may transit under the bridge at any time, but are advised to use caution for fall hazards. For additional information, contact Nick Frangopoulos at (330) 540-1008 or vimaspainting@aol.com.

Chart 18587

LNM: 11/19

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

ODOT will be conducting repair work on the Youngs Bay Highway Bridge (LLNR 14573) at Warrenton, Oregon, from 11 Mar 2019 through Nov 2021. Mariners are advised that there will be barges and assist vessels at the work site and a containment system under the bridge reducing vertical clearance. There will be no containment system under the liftspan of the bridge, and the main channel will remain clear for traffic, with no change to the operation of the lift. Mariners are requested to use slow speed to minimize wake. Interested parties can contact the on-site construction manager, Craig Gries at (503) 580-6319 or email at cgries@orstbridge.com

Chart 18521

LNM: 10/19

COLUMBIA RIVER – CRIMS ISLAND TO ST. HELENS – Lewis and Clark Highway Bridge electrical upgrade

Mill Plain Electric and Advanced American Construction will begin a project for WSDOT to upgrade the navigation and aviation lighting on the Lewis and Clark Highway Bridge (LLNR 10812.5) across the Columbia River and RM 66. Tentatively, the work will begin on 09 Dec 2019 and continue through Mar 2020. There will be no impact to clearances in the main shipping channel, but there may be vertical clearance reductions, as well as an AAC barge positioned outside of the channel at various times near bridge piers 2, 3 and 4. For more information on the electric project, contact Scott Kangas at (360) 607-7357, and for the in-water work contact AAC at (503) 445-9000.

Chart 18524

LNM: 46/19

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Bridge construction

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

Chart 18532

LNM: 51/19

COLUMBIA RIVER - PASCO TO RICHLAND - LAKE WALLULA - US-395 (Blue) Bridge notice

WSDOT will be abrasive blast cleaning and painting the US-395 (Blue) Bridge (LLNR 13057) at Columbia River mile 330 from 07 Jul 2019 to 23 Mar 2020. The working hours will be Mon-Sat from 0700 to 1700. Scaffolding and containment will be installed reducing the vertical clearance from 61 feet to 58 feet. A working barge will be moored under the area of work, and lighted per the Coast Guard Navigation Rules of the Road. Mariners may transit under the bridge at any time, but should be aware of fall hazards. For more info, contact Adam Cady, at (585) 905-1160.

Chart 18543

LNM: 26/19

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

The Commander, Thirteenth Coast Guard District has received a request for a Preliminary Navigation Determination from Multnomah County in preparation for compiling a Coast Guard Bridge Permit application for the Earthquake Ready Burnside Bridge project (EQRB). The EQRB project is the replacement for the current Burnside Highway Bridge (LLNR 14955.4). At the request of the Coast Guard, Multnomah County has prepared a Navigation Impact Report (NIR) for the EQRB. Based upon information in the NIR the Coast Guard will issue a Preliminary Navigation Determination as detailed in the subject Public Notice. This PN is soliciting for comments exclusively related to navigation. The public is highly encouraged to carefully review this notice and provide comments with regard to the proposed bridge's ability to meet the reasonable needs of navigation. Public Notice 08-19 is available at <https://www.navcen.uscg.gov/D13BN>. Comments will be received by the Bridge Administrator until 17 Jan 2020 at Commander (dpw), Thirteenth Coast Guard District, 915 2nd Ave, Rm 3510, Seattle, WA, 98174, or via email at d13-pf-d13bridges@uscg.mil or by calling (206) 220-7282.

Chart 18526

LNM: 50/19

WASHINGTON – PUGET SOUND – NORTHERN PART – PORT MADISON AND PORT ORCHARD – Painting of the Agate Pass Bridge

WSDOT will be painting the Agate Pass Bridge (LLNR 17935) on a 24 hour daily schedule from 01 Jun 2019 to 01 Jun 2020 (Monday through Saturday). WSDOT will be using containment to prepare and paint sections of the bridge one section at a time. At mean high water elevation Agate Pass Bridge provides 76 feet of vertical navigation clearance. The containment system will reduce the bridge's vertical clearance by approximately 8 feet thus reducing the vertical navigation clearance to 68 feet in the vicinity of the containment systems. Bridge navigation lights will not be affected. Vessels that require the bridge's full vertical clearance, may use a section without containment, plan to navigate at low water or use Rich Passage as an alternate route. Mariners exercise caution for falling debris when transiting underneath the Agate Pass Bridge. For further information please contact the WSDOT Assistant Project Engineer Andy Larson at (360) 874-3011, or email LarsonA@wsdot.wa.gov.

Chart 18441

LNM: 20/19

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

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

Chart 18447

LNM: 26/18

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

Preliminary work to install a turbidity curtain for the Fairview Avenue Bridge Replacement project started on 12 Apr 2019. This turbidity curtain will remain in Lake Union waters 24 hours a day for the duration of the project, projected to run through early 2021. Navigation warning lights are installed on top of flotation logs indicating the location of the turbidity curtain. The bridge will be closed to all road traffic and in-water work will commence on 16 Sep 2019. Navigation is not allowed across or beyond the turbidity curtain which indicates the beginning of an active construction zone. The turbidity curtain is located on waterway 8 in front of the Zymo Genetics building and spans the waterway between Seattle Seaplanes 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 – LAKE WASHINGTON - Interstate 90 Highway Bridge construction (Revised from LNM 22/18)

Kiewit-Hoffman will be performing seismic upgrades to the existing approach piers for the Interstate 90 (I-90) Highway Bridge (LLNR 18389 and 18398). The west navigation channel and east navigation channels for the I-90 Floating Bridge will have marine activities, including the moving of barges, but will stay open to mariners. Mariners are advised to use caution while transiting near barges within the Sound Transit E130 project area.

These vessels are currently moored to columns 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. The eastern navigation channel will be open and will not change vertical or horizontal clearances. Two sets of steel falsework temporary structures are now installed on pier caps on the east side along piers 10 and 11. The steel beams are marked with steady white lights in addition to reflective tape. Mariners should maintain a safe distance from these work areas and should not deviate from the established channels. 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 throughout the week. 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 when open to vessel traffic. Construction and operations at this site are expected to continue through 2020. For additional information contact Matt Larson at (425) 318-5296 or email mattson.larson@kiewit.com

Chart 18447

LNM: 28/19

WASHINGTON - LAKE WASHINGTON SHIP CANAL - UNION BAY REACH - SR 520 West Approach Bridge South Bridge Replacement (Revised from LNM 38/19)

American Bridge Company will be constructing a temporary work trestle for the State Route (SR) 520 West Approach Bridge South project in southern Union Bay from 04 Nov 2019 through 29 Jan 2021. The temporary work trestle will be left in place through October 2022 and used for demolishing the existing West Approach Bridge South and constructing the new Approach Bridge. The limits of the temporary work trestle extend from the bridge abutment to approximately 1,100ft west of the west navigation channel. Mariners are advised to transit with caution when navigating near the project area and be aware that no boaters are permitted between the active work zone and work trestles at any time. A graphical representation of the impacted area was included as Enclosure (4) to LNM 43/19. For additional information, contact Dennis Suh at (504) 206-6494 or email at dsuh@americanbridge.net.

Chart 18447

LNM: 40/19

WASHINGTON – PUGET SOUND – ANACORTES TO SKAGIT BAY – DECEPTION PASS – Bridge notice

WSDOT will be cleaning, painting and repairing the bridges over Deception Pass and Canoe Pass south of Anacortes. The work is expected to begin at 0600 on 01 Apr 2019 and be complete by 2000 on 31 Oct 2020. The Deception Pass Bridge has a vertical clearance of 144 feet, and the vertical clearance under the Canoe Pass Bridge is 154 feet. No in-water work will be conducted, and a full containment system will be employed, however, mariners are cautioned that fall hazards will exist. For further information on this project contact the Project Engineer, Shane Spahr, at (360) 848-7103 or email spahrs@wsdot.wa.gov.

Chart 18427

LNM: 06/19

COLUMBIA RIVER – SNAKE RIVER – 2020 Annual Lock closures for maintenance

The USACE Portland and Walla Walla Districts have scheduled the annual navigation lock maintenance closure for March and April 2020. During this time, the Locks and Dams on the Columbia and Snake Rivers have scheduled routine inspections and maintenance, as well as some non-routine work. The non-routine work includes gate structural repairs, navigation lock concrete monolith repairs, and machinery repair and replacement. All eight (8) of the navigation locks will close at 0600 on 07 Mar 2020. Bonneville, The Dalles, John Day, McNary, Lower Monumental, and Lower Granite will reopen at 2359 on 22 Mar 2020, while Ice Harbor and Little Goose will reopen at 2359 on 05 Apr 2020.

Columbia River navigation lock maintenance closures are:

- Bonneville (RM 145) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

- The Dalles (RM 191) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

- John Day (RM 216) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

- McNary (RM 292) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

- Snake River navigation lock maintenance closures are:

- Ice Harbor (RM 9.7) – 0600 on 07 Mar 2019 to 2359 on 05 Apr 2020

- Lower Monumental (RM 41.6) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

- Little Goose (RM 70.3) – 0600 on 07 Mar 2019 to 2359 on 05 Apr 2020

- Lower Granite (RM 107.3) – 0600 on 07 Mar 2019 to 2359 on 22 Mar 2020

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

COLUMBIA RIVER – SNAKE RIVER – 2020 Annual Lock closures for maintenance

(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: 45/19

COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage

The USACE Portland and Walla Walla Districts have implemented the winter seasonal lockage schedule, from 21 Sep 2019 to 17 May 2020, for the passage of recreational craft through the Columbia and Snake River navigation locks. Winter recreational vessel lockage will be made during daylight hours only, on request at each lock – vessels should contact the lock operator via VHF-FM channel 14 or commercial telephone, and should make their request at least 30 minutes in advance.

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

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

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

LNM: 39/19

COLUMBIA RIVER – BLALOCK ISLAND TO MCNARY DAM – McNary Navigation Locks longer lockage times

Mariners using the navigation lock at McNary Lock and Dam, located at Columbia River Mile 292, will experience longer lockage times 08 Oct 2019 to 07 February 2020. Due to damages found within two of the lock tainter valve lift cylinders, the tainter valves will remain out of service until repairs to the cylinders can be completed. Average lockage time is expected to be 60-75 minutes during this period. For additional information, contact the McNary Chief Operator at (541) 922-2231, Call Sign: WUJ41 or NWW Operations Division at (509) 527-7364.

Chart 18539

LNM: 41/19

SNAKE RIVER – LAKE BRYAN – Little Goose Navigation Lock notice

Vessels transiting the Little Goose Navigation lock may not tie up to or rub against the upstream floating guidewall, due to damage, until further notice. These restrictions will remain in place until repairs can be made to the floating guidewall keyway and cables. For additional information, contact the Little Goose Operator at (509) 399-2233.

Chart 18547

LNM: 13/19

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Hiram M. Chittenden Locks Small Chamber Closure

The small lock will close to all marine traffic for annual maintenance at 0530 on 06 Jan through 1600 on 24 Jan 2020. The small chamber typically closes for annual maintenance in March, but needs to close earlier due to the large chamber Stoney Gate Valve Project scheduled closure February 12 through April 3, 2020. All pleasure boats will use the large lock and boaters should be prepared with appropriate equipment and crew. Large lock requirements include long lines and fenders on board. Current locking-through information is available at <https://www.nws.usace.army.mil/Missions/Civil-Works/Locks-and-Dams/Chittenden-Locks/Boater-Information/> Mariners may experience delays, depending on passage demand. For more information contact Lockmasters Larry Meyer or Vickie Shepard, at (206) 297-9821.

Chart 18447

LNM: 51/19

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Future schedule for Hiram M. Chittenden Large Lock maintenance closures (Revised from 47/18)

USACE Seattle District has released a projected schedule for extended maintenance outages of the large lock chamber at the Hiram M. Chittenden Locks in Ballard. In 2019, USACE commenced the first of five extended 45-day closures to replace the valve gates, which are original equipment that must be replaced to keep the 101-year-old Chittenden Locks safe and operational for years to come.

The projected 45-day closure dates are:

- 2020: 12 Feb – 05 Apr
- 12 Oct – 03 Dec
- 2021: 12 Feb – 05 Apr
- 09 Nov – 24 Nov

For more information, contact the Seattle District Public Affairs Office: Bill Dowell at (206) 764-3464 and email william.r.dowell@usace.army.mil

Chart 18447

LNM: 33/19

OREGON – SIUSLAW RIVER – Shoaling at entrance to Siuslaw River

The Coast Guard has observed significant shoaling at the entrance to Siuslaw River. Mariners are urged to exercise caution when transiting the bar, especially at low tide. Approximately 200 yards west of the jetty tips is an area of significant shoaling with depths as shallow as 8 feet. This shoal area is causing the bar to break in lighter weather conditions than is normal. Local mariners can contact Coast Guard Station Siuslaw River for more information.

Chart 18583

LNM: 45/19

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction at Piers 62 and 63

Pacific Pile and Marine, LP is conducting pier demolition and construction operations at Piers 62 and 63 in Elliott Bay, WA from 15 Jan 18 through January of 2020. The hours of operations will be 0700 to 1700, Monday through Friday though some work may be continued through the weekends. The construction and crane barge Web and various other barges will be onscene at all times, lighted at night, and will monitor VHF-FM channels 13,

WASHINGTON – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction at Piers 62 and 63

16 & 69. Construction equipment may be moored in the vicinity of Pier 62 and may restrict sections of the waterway. For additional information, contact Karl Benjamin at (206) 331-3873 or at email Karlb@pacificpile.com.

Chart 18450

LNM: 02/18

WASHINGTON – SEATTLE TO BREMERTON – 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 – SEATTLE TO BREMERTON – ELLIOTT BAY – Construction under Terminal 46

Stellar J and Bergerson Construction is conducting repair work operations under Terminal 46 in Elliott Bay until approximately 30 Jan 20. Operations will be conducted during daylight hours to coincide with tidal changes, Monday through Friday. There will be up to five work skiffs, two working floats as well as a scaffolding system under the dock. Work parties will answer hails as Stellar J or Bergerson Construction on VHF-FM channel 17. All work will be conducted inside the dock line, and it is requested that all vessels transiting the vicinity operate with minimum wake. For additional information contact Mike Klassen of Stellar J Corporation at (360) 518-2544 or email mikeklassen@stellarj.com.

Chart 18449

LNM: 23/18

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 – SEATTLE HARBOR – Terminal 5 site remediation (Revised from LNM 37/19)

American Construction Company has concluded dredging but will continue material placement operations near the NE corner of Terminal 5 at the entrance of the Duwamish River west waterway through 14 February 2020. Work will typically take place from 0630 to 1700, Monday thru Saturday. Operations will periodically occupy approximately 200 feet of the channel. The derrick barges Palouse, Patriot, and/or Mukilteo will be on scene and will monitor VHF-FM channels 13 and 16. Island Tug and Barge vessels may also be on scene conducting towing operations. For additional information, please contact Christopher Raymond at (425) 647-1707 or email at chrisr@americanconstco.com

Chart 18450

LNM: 51/19

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 – OAK BAY TO SHILSHOLE BAY – POSSESSION SOUND – Mukilteo Ferry Terminal construction

Manson Construction will be conducting operations to build the new Washington State Ferries Mukilteo Ferry Terminal marine structures starting 15 Oct 2019 through 15 Mar 2020. The new terminal is located approximately .3 nautical miles northeast of the existing WSF Mukilteo Ferry Terminal. Operations will include pile driving, drilling, pouring concrete, steel erection and welding, heavy lifting, and miscellaneous marine construction. Hours of operation are Monday through Friday 0600 to 1630. Marine construction equipment will stay on location during operational and non-operational periods. The vessels involved in the project are Derrick Barge Scandia, deck barges MANSON 50, MANSON 58, and MANSON 64, and work skiffs. The tugs HARRY M and NANCY M will be onsite intermittently. When crewed and operational the vessels are monitoring VHF-FM Channel 8. The Derrick Barge Scandia 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 1000 ft 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. Questions or concerns should be directed to Manson's Project Manager Monica Blanchard at (206) 913-7498 or Project Superintendent Erik Dolmseth at (206) 384-3025.

Charts: 18441 18473

LNM: 37/19

WASHINGTON - PUGET SOUND - APPROACHES TO EVERETT - Port of Everett's South Terminal Wharf Construction

Advanced American Construction (AAC) is conducting repair work operations under South Terminal Wharf at the Port of Everett in Port Gardner Bay until approximately January 2020. Operations will be conducted during day and nighttime hours to coincide with tidal changes, Monday through Saturday. There will be up to two work skiffs, several working floats as well as a scaffolding system under the wharf. Work parties will answer hails as AAC on VHF-FM channels 63 and 64. All work will be conducted inside the wharf line. It is requested that vessels transiting the vicinity operate with minimum wake. For more information, contact Steve Hager at (425) 388-0633 or email steveh@portofeverett.com.

Charts: 18443 18444

LNM: 51/18

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 |
|------------|---|--------------------------------------|-----------------------|---------------|--------------|-----------------------------|------------------------------------|
| 9335 | UMPQUA RIVER LIGHT 21 | 43-44-55.124N 124-07-54.134W | Fl G 2.5s | 16 | 4 | SG on multi-pile structure. | 03/20 |
| 9590 | Yaquina Bay Entrance Lighted Gong Buoy 1 | * 44-36-13.712N 124-06-02.410W | Fl G 2.5s | | * 4 | Green. | AIS: MMSI 993696003 (21). 03/20 |
| 9935 | Clatsop Spit Lighted Whistle Buoy 8 | * 46-14-58.106N 124-04-46.303W | Q R | | 4 | Red. | AIS: MMSI 993692045 (21). 03/20 |
| | | * | | | | | |

ENCLOSURES

Enclosure 1

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

LNM: 03/20

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 03/20

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 03/20

If you have any questions, comments, or need additional information concerning this or other LNMs (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

CDR Brendan J. Harris
Chief, Waterways Management Branch
Thirteenth Coast Guard District

BRIDGE DISCREPANCIES AND CORRECTIONS

Enclosure (1)

| BRIDGE DISCREPANCIES | | | | | | |
|-------------------------|------------|------------------------------------|-----------------|--|---------------|---------|
| Waterway | Light List | Bridge Name | Location | Status | Date Reported | BNM |
| OREGON COAST | | | | | | |
| | 8990 | Coos Bay Railroad Bridge | North Bend, OR | Main Lights Extinguished, Temporary Red lights installed | 4/30/2018 | 0369-18 |
| | 9558 | Florence Highway 101 Bridge | Florence, OR | Clearance Gauge missing | 6/25/2019 | None |
| | 9627 | Yaquina Bay Highway 101 Bridge | Newport, OR | Clearance Gauge missing | 6/17/2019 | 0433-19 |
| COLUMBIA RIVER | | | | | | |
| | None | | | | | |
| SNAKE RIVER | | | | | | |
| | 13617 | Sargent Railroad Bridge | Pataha, WA | Red, westbound, pier light extinguished | 11/20/2019 | 0920-19 |
| | 14070 | Camas Prairie RR Bridge | Lewiston, ID | Multiple lights extinguished | 9/16/2019 | 0705-19 |
| | 14072 | Clearwater Memorial Highway Bridge | Lewiston, ID | Downbound sidelights extinguished | 12/6/2019 | 0961-19 |
| WILLAMETTE RIVER | | | | | | |
| | 15152 | Wilsonville Railroad Bridge | Wilsonville, OR | Multiple lights extinguished | 10/17/2019 | 0802-19 |
| WASHINGTON COAST | | | | | | |
| | None | | | | | |
| PUGET SOUND | | | | | | |
| | None | | | | | |
| IDAHO | | | | | | |
| | None | | | | | |
| BRIDGE CORRECTIONS | | | | | | |
| Waterway | Light List | Bridge Name | Location | Status | Date Reported | BNM |
| OREGON COAST | | | | | | |
| | None | | | | | |
| COLUMBIA RIVER | | | | | | |
| | None | | | | | |
| SNAKE RIVER | | | | | | |
| | None | | | | | |
| WILLAMETTE RIVER | | | | | | |
| | None | | | | | |
| WASHINGTON COAST | | | | | | |
| | None | | | | | |
| PUGET SOUND | | | | | | |
| | None | | | | | |
| IDAHO | | | | | | |
| | None | | | | | |

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 |
|-------------------|-----------------|----------------------|--|------------------------|----------------------------------|---------------------------|----------------------|------------|
| 2-Jan-20 | 28-Feb-20 | 0600-1700 Mon-Fri | Columbia River; Willow Upper and Lower (RM 96 to 98) | M/V Dredge 7 | None | VHF-FM 13, 16, 79 | Ashore | 53/19 |
| 6-Sep-19 | 15-Feb-20 | 0600-1700 Mon-Fri | Swinomish Channel; La Conner Marina Basins | Barge Flexi, M/V Judge | M/V Sonja H | VHF-FM 18 &19 | Rosario Strait | 30/19 |
| 2-Dec-19 | 31-Jan-20 | 24 Hrs/7 Days | Squalicum Waterway | M/V Ironbound | Kimberly C, Kelly C, Bernadine C | VHF-FM 13 &14 | Rosario Strait | 52/19 |

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 NOTED | |

SECTOR PUGET SOUND MARINE EVENTS

| EVENT DATE | TIME | EVENT NAME | EVENT LOCATION |
|------------|-----------|--|----------------------|
| 25-Jan-19 | 1000-1600 | First of the Season Navigation Contest | Lake Washington |
| 25-Jan-19 | 1000-1700 | CYCT Harbor Series | Des Moines to Tacoma |