



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

## LOCAL NOTICE TO MARINERS

**District: 13**

**Week: 01/16**

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)  
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067  
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<http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=13>

COMDTPUB P16502.6, Light List Volume VI, 2015 Edition and Coast Pilot Volume 7, 2015.  
Coast Pilots, along with corrections, are available at: <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>.

### 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:

<http://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, Email: [webmaster@navcen.uscg.mil](mailto:webmaster@navcen.uscg.mil), or on the World Wide Web: <http://www.navcen.uscg.gov>.

### BROADCAST NOTICE TO MARINERS

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

Originating Unit	Beginning BNM	Ending BNM
CGD THIRTEEN	D13-1150-15	D13-0007-16

### 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  
EXT - Extinguished

#### 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  
N/C - Not Charted

#### 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  
STRUCT - Structure

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

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

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:

AIS - Automatic Identification System  
LLNR - Light List Number  
NM - Nautical Miles  
CPA - Closest Point of Approach  
RM - River Mile Marker

V-AIS - Virtual AIS  
VTS - Vessel Traffic Service  
WSDOT - Washington State Department of Transportation  
NUWC - Naval Undersea Warfare Center  
RAC - Racon

AtoN - Aids to Navigation  
COTP - Captain of the Port  
ODOT - Oregon Department of Transportation

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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### **COLUMBIA RIVER – HARRINGTON POINT TO CRIMS ISLAND – Port Westward construction**

Advanced American Construction will be working at the Port Westward dock on the Columbia River RM 53.5. The derrick barge DB 4000 will be on station from 01 Jan 16 through 15 Mar 16 working 0700 to 1730, Monday through Saturday. The derrick barge may have anchors deployed near the Port Westward facility. Anchor locations will be marked by yellow crown buoys. The derrick barge and crown buoys will be illuminated by steady burning white lights at night. Mariners are requested to stay 250 feet away from the derrick barge and use extreme caution when transiting the area. Mariners are also requested to minimize their wake in the work zone. During operation hours, the derrick barge will be monitoring VHF-FM 13. For more information contact Mr. Scott Sells at (503) 484-0575.

Chart 18523

LNM: 01/16

### **COLUMBIA RIVER – CRIMS ISLAND TO SAINT HELENS – Outfall Pipe Construction**

Advanced American Construction is performing construction activities on an outfall pipe located near Columbia River RM 67.5 on the Washington side. Work involves underwater dive operations from floating equipment. When diving the alpha and diver down flags will be displayed. Construction will be from 0700 to 1900, 16 Oct 15 through 30 Jan 16 working Monday through Saturday. The derrick barge DB 125 and tugboat Ruth will be on station monitoring VHF-FM Ch. 13 during work hours. The floating equipment will be spudded down on station and will be lighted in accordance with the navigation rules at night. Mariners are requested to reduce speed and avoid the work area. For additional information call Mr. Mike Johns at (503) 720-1108 or MikeJ@callaac.com.

Chart 18524

LNM: 01/16

### **WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – SR-520 Special Bridge Notice – Critical Navigation Notice – Part A (Revised from LNM 50/15)**

The U.S. Coast Guard has established a temporary safety zone on Lake Washington around the east span of the SR-520 Bridge in Seattle, WA due to ongoing construction. The safety zone is necessary to ensure the safety of the maritime public and workers involved in the bridge construction when construction barges are located in the navigation channel under the east span of the bridge. The safety zone will prohibit any person or vessel from entering and remaining in the safety zone unless authorized by the Captain of the Port or his Designated Representative. The safety zone established in this rule encompasses all waters within 100 yards of the east span of the SR-520 Bridge. This rule is effective through 29 Feb 16

From 0700 to 1700 on 01 Dec 15 through 29 Feb 16, with the exception of 04 Jan 16 through 17 Jan 16, the east navigation channel of the SR-520 Floating Bridge will be temporarily partially blocked by a flat deck spud barge. If additional clearance is required for safe passage of vessels with air draft of greater than 43 feet, mariners can contact tugboat Big Eagle on VHF-FM Ch. 16 and shifting the barge out of the east navigation channel can be arranged. Marine vessels shorter than 43 feet tall can continue to navigate through the west navigation channel. Boaters can contact tugboat Big Eagle on VHF-FM Ch. 16 for further information regarding the temporary blockage.

From 0000 on 04 Jan 16 through 2400 on 17 Jan 16, the West Navigation channel will be closed to all marine traffic. While the west navigation channel is blocked the east navigation channel will be open to mariners.

Casings are to be installed west of the west navigation channel. Up to six construction barges may be operating in the area installing casings.

Chart 18447

LNM: 52/15

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – SR-520 Special Bridge Notice – Critical Navigation Notice – Part B (Revised from LNM 50/15)**

Center drawspan:

The center drawspan has been permanently blocked. The new floating bridge does not have a draw span.

East Span:

1. Navigation channel vertical clearance at the east span is restricted to 58 feet until approximately October 2016 when the full 70 foot vertical clearance will be established. The eastern navigation channel will be marked with red and green navigational buoys as shown in Enclosure (4) of LNM 10/15. The eastern navigation channel varies from 168 feet to 200 feet in width with the majority of it being over 180 feet wide.

West Span:

Exclusion area buoys and signage will mark the four Pontoon Alpha submerged anchor wires.

2. Eight temporary pilings (two groups of four pilings) marked with yellow lights flashing every 4 seconds (FI Y 4s) have been placed in the southeast part of Union Bay near the west end of the bridge for the temporary mooring of pontoons. Refer to LNM 05/13 chart 18447 for temporary chart corrections.

3. 12 temporary barge mooring pilings have been placed on the north side of the bridge just west of the west navigation channel and marked with quick flashing yellow lights (QY), which may be obscured at times when barges and other equipment are moored at the site.

4. The west navigation channel has been relocated to the west as depicted in enclosure (4) of LNM 28/15. The vertical clearance for the new channel has been reduced to 43 ft. Vessels with an air draft of greater than 43 feet but less than 58 feet may continue to use the east navigation channel.

Temporary Construction Buoys and Lighting; Eight temporary white mooring buoys (six on the north side and two on the south side) marked with white lights flashing every 4 seconds (FI W 4s) have been deployed near the bridge for the mooring of construction barges and shown as chart corrections in LNM 05/13 for chart 18447.

West Approach Project: Complete

For additional information, contact Mr. Ben Nelson at (425) 864-4127 or email Ben.Nelson@Kiewit.com.

Chart 18447

LNM: 52/15

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA AND PUGET SOUND – WHIDBEY ISLAND DGPS SITE – Proposed DGPS off-air time**

The U.S. Coast Guard Navigation Center has proposed off-air time for the Whidbey Island, WA DGPS site for scheduled maintenance from 1100 to 1200 on 23 Feb 16, with an alternate time of 1100 to 1200 on 24 Feb 16. There will be no significant loss of coverage due to dual coverage in the area. For additional information or objections, contact the Navigation Center DGPS Operations at (703) 313-5902 or at <http://www.navcen.uscg.gov/?pageName=dgpsSiteInfo&currentOutages>.

Charts: 18421 18440

LNM: 52/15

**WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – ROBINSON POINT DGPS SITE – Proposed DGPS off-air time**

The U.S. Coast Guard Navigation Center has proposed off-air time for the Robinson Point, WA DGPS site to conduct equipment maintenance from 1000 to 1400 on 25 Feb 16 with an alternate time of 1000 to 1400 on 26 Feb 16. There will be no significant loss of coverage due to dual coverage in the area. For additional information or objections, contact the Navigation Center DGPS Operations at (703) 313-5902 or at <http://www.navcen.uscg.gov/?pageName=dgpsSiteInfo&currentOutages>.

Chart 18441

LNM: 52/15

**POSSESSION SOUND TO OLYMPIA – Cancellation of NOAA Nautical chart 18445**

The National Oceanic and Atmospheric Administration (NOAA) has canceled nautical chart 18445, Puget Sound – Possession Sound to Olympia including Hood Canal. For additional information, please visit <http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs>.

Chart 18445

LNM: 51/15

**WASHINGTON – PUGET SOUND – ELLIOTT BAY – DUWAMISH WATERWAY – SOUTH PARK HIGHWAY BRIDGE - Rule Change to Operating Schedule**

The U.S. Coast Guard has changed the operating schedule that governs the South Park Bridge (LLNR 16888), on the Duwamish Waterway, mile 3.8, in Seattle, WA. The new rule can be viewed online at, <http://www.regulations.gov>, type the docket number [USCG-2015-0285] in the "SEARCH" box and click "SEARCH."

The new regulation will change the opening schedule such that the South Park Bridge need not be opened for the passage of vessels from 0630 to 0830 and 1530 to 1730, Monday through Friday, except Federal holidays other than Columbus Day.

**OREGON - WILLAMETTE RIVER - PORTLAND TO WALNUT EDDY - Sellwood Bridge construction (Revised from LNM 39/15)**

The Sellwood Bridge (LLNR 14995) at RM 16.6 on the Willamette River is under construction until November 2016. A no wake zone is in effect within 500 feet of the bridge. The marked navigable channel at the bridge has been relocated as shown in Enclosure (4) of this LNM. Two debris booms have been added to the construction site on the upstream side of the project, as shown in enclosure (5) of LNM 28/14. Each boom is held in place by multiple pilings, which are marked with flashing yellow lights and yellow reflective tape. Mariners are cautioned to observe the temporary navigation buoys and bridge navigation lighting and comply with the exclusion area established by both the buoys and signage. For additional information, contact Mr. Chad Yount at (520) 468-9550 or email cayount@sundt.com.

**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
8605	Chetco River Entrance Lighted Bell Buoy 2	OFF STA	18602	1069-15	50/15	
9605	Yaquina Bay South Jetty Light 4	STRUCT DEST	18581	1075-15	50/15	
9785	Depoe Bay Entrance Lighted Bell Buoy 2	OFF STA	18561	1097-15	51/15	
10585	Eureka Dike Light 77	STRUCT DMGD	18523	0250-14	15/14	
11150	Willow Dike Light 23	STRUCT DEST	18525	0174-14	10/14	
11770	Bonneville Pool Light 4	STRUCT DEST/LT EXT	18531	0905-10	37/10	
14610	Sand Island Lower Dike Light 1	STRUCT DMGD	18521	1092-15	51/15	
14985	Stevens Point Buoy 4	OFF STA	18528	1071-15	50/15	
15480	Stanley Channel Light 4	LT EXT	18504	1093-15	51/15	
15585	Point Chehalis Range Front Light	DAYMK MISSING/STRUCT DMGD	18502	1012-09	50/09	
15585	Point Chehalis Range Front Light	LT EXT	18502	0067-13	03/13	
15610	Grays Harbor South Reach Range A Front Light	LT EXT	18502	0746-15	35/15	
16405	Puget Sound Traffic Separation Lane Lighted Buoy SA	RAC INOP	18471	0938-15	44/15	
16510	Puget Sound Traffic Separation Lane Lighted Buoy SC	LT IMCH	18477	1148-15	52/15	
17090	Browns Point Light	REDUCED INT	18453	0870-15	41/15	
<b>18115</b>	<b>Shilshole Bay Entrance Leading Light</b>	<b>LT IMCH</b>	<b>18446</b>	<b>1152-15</b>	<b>01/16</b>	
18570	Snohomish River Range B Front Daybeacon	STRUCT DEST	18444	1061-14	49/14	
<b>18820</b>	<b>Swinomish Channel South Entrance Range Front Light</b>	<b>LT IMCH</b>	<b>18427</b>	<b>0006-16</b>	<b>01/16</b>	
19395	Belle Rock Sector Light	LT IMCH	18429	1000-15	47/15	

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9590	Yaquina Bay Entrance Lighted Gong Buoy 1	RELIGHTED	18581	1154-15	50/15	01/16
15555	Grays Harbor Entrance Lighted Whistle Buoy 3	RELIGHTED	18502	1156-15	52/15	01/16
15560	Grays Harbor Entrance Lighted Whistle Buoy 4	RELIGHTED	18502	1155-15	52/15	01/16
16410	Sequim Bay Entrance Light 2	WATCHING PROPERLY	18471	1151-15	50/15	01/16
19205	Viti Rocks Lighted Bell Buoy 9	RESET ON STATION	18424	0001-16	52/15	01/16

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
727	OSU Grays Canyon Research Lighted Buoy	MISSING	18500	1039-15	50/15	
10252	Elliot Point Research Lighted Buoy	MISSING	18523	1077-15	50/15	
16795	ACOE Shilshole Bay South Lighted Mooring Buoy	MISSING	18446	0267-14	16/14	
18412	Kamilche Sea Farms Lighted Buoy A	LT IMCH	18445	1123-15	52/15	
18450	Peale Passage Fish Pen Lights (2)	LT EXT	18445	1122-15	52/15	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10428	Wauna Mill Water Outfall Lighted Buoy B	RESET ON STATION	18523	0004-16	48/15	01/16

**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
10585	Eureka Dike Light 77	RELOCATED	18523	0250-14	15/14	
11150	Willow Dike Light 23	TRLB	18525	0177-14	10/14	
11770	Bonneville Pool Light 4	TRLB	18531	0909-10	38/10	
18013	Wyckoff Regulatory Buoy B	Other	18449	0683-15	32/15	
18750	Crescent Harbor Navy Pier Light	DISCONTINUED	18423	0567-15	25/15	

**TEMPORARY CHANGES CORRECTED**

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

None

**PLATFORM TEMPORARY CHANGES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

None

**PLATFORM TEMPORARY CHANGES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

None



During the months of December 2015 and January 2016, the U.S. Coast Guard is making the following changes to the aids to navigation system for Port Gamble, WA. Port Gamble Range Front Daybeacon (LLNR 17735) and Port Gamble Range Rear Daybeacon (LLNR 17740) have been disestablished as they are no longer necessary for safe navigation in the waterway. In addition, the following changes will occur:

- Replace Port Gamble Lighted Buoy 2 (LLNR 17744) with Port Gamble Light 2 (LLNR 17741), a fixed structure in position 47-51-49.000N 122-34-42.000W, displaying a flashing red 2.5 second light (FI R 2.5s) with a four (4) nautical mile range.
  - Relocate Port Gamble Light 3 (LLNR 17745) to 47-51-49.000N 122-34-36.500W to be abeam of Port Gamble Light 2. Rename as Port Gamble Light 1 (LLNR 17736) and change the light characteristic to flashing green every 2.5 seconds (FI G 2.5s) with a four (4) nautical mile range.
  - Replace Port Gamble Lighted Buoy 4 (LLNR 17747) with Port Gamble Light 4 (LLNR 17751), a fixed structure in position 47-51-32.562N 122-34-42.000W, displaying a flashing red 4 second light (FI R 4s) with a four (4) nautical mile range.
  - Relocate Port Gamble Light 5 (LLNR 17750) to 47-51-32.562N 122-34-36.482W to be abeam of Port Gamble Light 4. Rename as Port Gamble Light 3 (LLNR 17746) and change the light characteristic to flashing green every 4 seconds (FI G 4s) with a four (4) nautical mile range.
- Charts: 18473 18476 18477 LNM: 43/15

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### 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).

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#### PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

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

#### Proposed Change Notice(s)

##### **COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – GOVERNMENT ISLAND – Government Island Middle Range Front Light removal of high intensity beam**

The U.S. Coast Guard is proposing to remove the high intensity beam from Government Island Middle Range Front Light (LLNR 11405) to facilitate the installation of a LED lantern and to increase the light signal reliability. The current light intensity will be increased.

Chart 18531

LNM: 52/15

##### **COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Fisher Island Quarry Channel Range Front Light removal of high intensity beam**

The U.S. Coast Guard is proposing to remove the high intensity beam from Fisher Island Quarry Channel Range Front Light (LLNR 11430) to facilitate the installation of a LED lantern and to increase the light signal reliability. The current light intensity will be increased.

Chart 18531

LNM: 52/15

##### **COLUMBIA RIVER – VANCOUVER TO BONNEVILLE – Washougal Upper Range Front Light and Reed Island Range Front Light removal of high intensity beam**

The U.S. Coast Guard is proposing to remove the high intensity beam from Washougal Upper Range Front Light (LLNR 11550) and Reed Island Range Front Light (11570) which is a dual range front light, to facilitate the installation of a LED lantern and to increase the light signal reliability. The current light intensity will be increased.

Chart 18531

LNM: 52/15

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### 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 in Enclosure (1) of this Local Notice to Mariners.

LNM: 01/16

#### **SUMMARY OF DREDGING OPERATIONS**

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

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#### **SUMMARY OF MARINE EVENTS**

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

LNM: 01/16

#### **OREGON – COOS BAY – McCullough (US101) Bridge repair**

ODOT is conducting a repair project on the McCullough Bridge (LLNR 9009) at mile 9.5 over Coos Bay on Hwy. US 101. The project will be

**OREGON – COOS BAY – McCullough (US101) Bridge repair**

completed sometime in 2017. The repairs are on the north side of Jarvis Upper Range 'B' Front Light (LLNR 8960) outside the main navigation channel. Two 2000 foot temporary work bridges have been constructed for the project, but will not encroach into the navigation channel. The temporary bridges will be built on steel piles placed 45 feet apart. Enclosure (5) of LNM 44/13 shows the diagram and aerial view of the project.

Chart 18587

LNM: 44/13

**COLUMBIA RIVER - BONNEVILLE TO THE DALLES - Hood River Highway Bridge notice**

The Hood River Bridge (LLNR 11933), at Columbia River mile 169.8, continues to be unable to open for marine traffic. The bridge was struck by a vessel, causing the span to be inoperable. The bridge provides 68 feet of vertical clearance in the closed position. No projected repair date has been determined. The Port of Hood River is evaluating the damages and developing a repair plan. The LNM will be updated as more information is made available. For additional information, contact Mr. Michael S. McElwee at (541) 386-1138.

Chart 18532

LNM: 48/15

**OREGON - WILLAMETTE SLOUGH - MINTO ISLAND PEDESTRIAN & BICYCLE BRIDGE - Special bridge notice**

Legacy Contracting, Inc. is constructing the Minto Island Pedestrian/Bicycle Bridge in Salem, OR, in the vicinity of Riverfront Park Playground at 44-56-19.000N, 123-02-43.000W. The construction work will be Monday through Sunday 24 hours per day until 15 Oct 16. Mariners can expect overhead cranes and pile driving while constructing temporary trestles with overhead hazards of a vertical clearance of 10 feet. A temporary 40 foot wide channel will be marked with signs for passage under the bridge and through the construction zone. Regulatory orange and white buoys will also be placed marking the construction area requesting no wake and bridge construction. For additional information, contact Mr. Monte Nunnally at (503) 510-7624 or Mr. Todd Ross at (503) 749-1818, or email: ToddR@LegacyContractingInc.com.

LNM: 22/15

**COLUMBIA AND SNAKE RIVERS – Winter seasonal recreational vessel lockage**

Winter recreational vessel lockage will be made during daylight hours only, on request at each of the USACE Walla Walla District locks through 14 May 16. Vessels can contact the lock operator via VHF-FM Ch. 14 or commercial telephone.

- McNary Lock and Dam at Columbia River Mile 292, 541-922-2231
- Ice Harbor Lock and Dam at Snake River Mile 9.7, 509-543-3253 x231
- Lower Monumental Lock and Dam at Snake River Mile 41.6, 509-282-7231
- Little Goose Lock and Dam at Snake River Mile 70.3, 509-399-2233 x231
- Lower Granite Lock and Dam at Snake River Mile 107.5, 509-843-1493 x231

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 U.S. Army Corps of Engineers Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers, published separately, for safety requirements. Public notices and other navigation lock information are available on the Internet at: <http://www.nww.usace.army.mil/Missions/Navigation.aspx>. For additional information on this matter or copies of our Safe Lockage policy, call USACE Walla Walla Operations Division at (509) 527-7113 or (509) 527-7115.

Charts: 18541 18545 18546 18547

LNM: 36/15

**OREGON - CAPE BLANCO TO YAQUINA HEAD AND OFFSHORE – Cable Laying Operations off the Oregon Coast (Revised from 40/14)**

The University of Washington, as part of the Ocean Observatories Initiative (OOI), has installed underwater equipment and high voltage cable in the Pacific Ocean offshore of Pacific City and Newport, OR. This equipment is locally exposed at the seabed and/or in the water column. It is not marked by surface buoys.

Mariners are advised to avoid fishing, towing gear or anchoring in the safety areas centered on the coordinates provided in enclosure (5) of LNM 44/14. The avoidance radius is given in nautical miles and varies for each safety zone.

Positions for the OOI safety zones and submarine cable routes can be provided upon request in various formats including Nobeltec, Olex, Coastal Explorer, kml and GIS. The locations of the OOI underwater infrastructure will be charted in the near future.

For additional information or if you become entangled on the OOI infrastructure, please contact the RSN Hotline at (855) 665-1424 or OFCC cell (503) 440-3569 or email [ooi-ofcc@uw.edu](mailto:ooi-ofcc@uw.edu) or [911@ofcc.com](mailto:911@ofcc.com).

Charts: 18003 18580 18600

LNM: 41/14

**OREGON - CAPE BLANCO TO YAQUINA HEAD – Deployment of Subsurface to Surface Buoy on the Oregon Coast**

Oregon State University deployed a subsurface to surface research buoy on 21 Apr 14 in position 44-39-30.540N 124-05-53.400W in 82 feet of water. The buoy is yellow and displays a yellow light flashing every 4 seconds (Fl Y 4s) when on the surface. This buoy is designed to submerge for the collection of data and then surface to transmit its data. When the buoy is not on the surface it will be near the seafloor. Vessels are asked to not pass closer than 500 yards to the buoy's position. For additional information contact Oregon State University Assistant Professor Michael Vardaro at (541) 737-9350 or at [mvardaro@coas.oregonstate.edu](mailto:mvardaro@coas.oregonstate.edu).

Charts: 18520 18580

LNM: 16/14

**OREGON – COQUILLE RIVER ENTRANCE – Port of Bandon dredging**

**OREGON – COQUILLE RIVER ENTRANCE – Port of Bandon dredging**

The Port of Bandon will conduct dredging in the launch ramp and boat basin areas. Operations will be conducted 24 hrs a day, 7 days a week until 15 Feb 16. The submersible pipeline dredge Laura will operate along with the tender Ms. SoHo. The spoils pipe from the Laura is black, striped, and 10 inches in diameter. The location of the pipe end (outfall) will remain the same at approximately 43-07-15.560N, 124-24-54.000W throughout all phases of the project. Buoys will mark the 100 foot section of piping that will extend into the Coquille River. A 25 ft sealed pipe associated with the project will be anchored in the vicinity of the project. Mariners are requested to remain 75 ft away from the dredging equipment and minimize wake. For more information contact project manager Mr. Jack Akin, MS, PE, at (541) 261-9929 or email emc@emcengineerscientists.com.

Chart 18588

LNM: 43/15

**COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT – Deterioration of the North and South Jetties at the Columbia River Entrance**

The North and South Jetties at the Columbia River Entrance have suffered severe deterioration and may no longer be correctly represented upon the nautical charts of the area. Mariners should use caution when transiting in the vicinity of the jetties and the river entrance. The USACE has scheduled critical repairs of the North Jetty for June 2015 through October 2016, and rehabilitation of the South and North Jetties scheduled for the years 2016 through 2019. More information may be found at the USACE Portland District web site:

<http://www.nwp.usace.army.mil/Locations/OregonCoast/MouthoftheColumbia.aspx>.

Charts: 18500 18520 18521

LNM: 04/15

**COLUMBIA RIVER - HARRINGTON POINT TO CRIMS ISLAND - CATHLAMET CHANNEL - Shoaling**

Extensive shoaling has been reported on the west side of the Elochoman Slough entrance near Cathlamet, WA. Mariners should exercise caution when transiting this waterway, and keep to the east side of the channel. Mariners unfamiliar with the area should transit with extreme caution and not rely solely on aids to navigation while in the channel.

Chart 18523

LNM: 19/15

**COLUMBIA RIVER – CRIMS ISLAND TO SAINT HELENS – Port of Longview pile driving**

Advanced American Construction will be performing pile driving work at the Port of Longview Berth 4, river mile 67. The spudded derrick barge DB 4100 and tugboat Dian Marie will be on station from 16 Nov 15 through 29 Feb 16 working 0700 to 1730 Monday through Saturday. Mariners are requested to stay 250 feet away from the derrick barge and use extreme caution when transiting the area. Mariners are also requested to minimize their wake in the work zone. During operating hours, the derrick barge will monitor VHF-FM Ch. 13. The derrick barge will be illuminated at the corners with steady burning white lights at night. For more information contact Mr. Lou Cornelison at (503) 969-0261 or email LouC@callaac.com.

Chart 18524

LNM: 45/15

**OREGON AND WASHINGTON COAST – NOAA Deployment of acoustic recorder sub-surface research moorings**

NOAA has deployed numerous acoustic recorder research sub-surface moorings in the locations listed in Enclosure (4) of LNM 08/15. All moorings will be in their present locations until approximately January 2016. NOAA is requesting that mariners not conduct fishing, trawling or towing operations within 500 yards from the mooring positions. For additional information, contact Dr. Brad Hanson of the Northwest Fisheries Science Center at (206) 860-3220 (Office), (206) 300-0282 (Cell), or email brad.hanson@noaa.gov.

Charts: 18007 18010

LNM: 05/15

**WASHINGTON - APPROACHES TO ADMIRALTY INLET – SEQUIM BAY – Temporary Equipment Deployment (Revised from LNM 39/15)**

The Pacific Northwest National Laboratory has temporarily deployed submerged scientific equipment in the entrance to Sequim Bay in approximate position 48-04-45.412N, 123-02-41.280W. The submerged equipment will be in place until approximately 30 Jun 16. Cables run from the equipment to the dock just west of its position on the seafloor and will be marked by two white warning buoys, one to the north and one to the south. Vessels are asked to not pass between the buoys and keep a minimum of 20 yards to from both buoys. For additional information contact Ms. Susan Southard, (360) 681-3615 or sue.southard@pnnl.gov.

Chart 18471

LNM: 47/15

**WASHINGTON – PUGET SOUND – ENTRANCE TO HOOD CANAL – Port Gamble marine demolition and construction**

Orion Marine Contractors, Inc. will be performing pile removal, demolition of structures, and dredging at the former mill site located at the northwest corner of Port Gamble entrance over two in water work seasons. Operations run through January 2016 for season one then again from July 2016 through January 2017 for season two. Work times will be 0600-1900, Monday through Friday. Loaded material barges will transit through the entrance to Port Gamble from work locations on both sides of the former mill site. All vessels will spudded down out of the channel during non-work hours and will be marked in accordance with the navigation rules. Mariners are requested to reduce speed through the work area and stay clear. The crane barge and tug Redwood City will be operating at the site and will monitor VHF-FM ch. 13 and 14. For additional information please contact Mr. Justin Strong at (253) 552-1140 or email jstrong@orionmarinegroup.com.

Chart 18477

LNM: 36/15

**WASHINGTON – PUGET SOUND – NORTHERN PART – HOOD CANAL – Bangor Pier Construction (revised from LNM 36/12)**

Construction of the Explosives Handling Wharf (EHW) #2 at Bangor Submarine Base at approximate position 46-45-09N 122-43-23W is being conducted until 09 Jan 16. There may be up to eight anchor buoys and two mooring buoys deployed in the area immediately surrounding the work site. Mariners can expect material barges, crane barges, tug-push boats, and work skiffs within the vicinity of the EHW piers. The majority of activity will occur within the floating security barrier. Mariners are requested to transit at a slow speed and reduce wake. Working vessels will monitor VHF-FM Channels 18A and 88A. For more information, contact Mr. Pat Moore at (360) 598-2325 ext. 112 or (757) 620-8054.

Chart 18458

LNM: 31/14

**WASHINGTON - OSTRICH BAY - Possible discarded munitions**

An investigation for possible unexploded munitions has been conducted in Ostrich Bay. Residual hazards may remain in the areas shown in Enclosure (4) of LNM 45/15. Mariners and divers are requested not to disturb the bottom sediments in the areas shown. For additional information, contact Naval Base Kitsap Public Affairs Office at (360) 627-4031.

Chart 18449

LNM: 45/15

**WASHINGTON – PUGET SOUND - HOOD CANAL AND DABOB BAY - Test Barge removed, buoys still deployed (Revised from LNM 41/15)**

Naval Surface Warfare Center Detachment Puget Sound has removed the test barge from the waters west of the NAVSUB Base Bangor waterfront but the anchor and mooring buoys remain on station. Their locations are as follows:

- Anchor buoy #1 white with a blue stripe, at 47-44-16.40N, 122-45-42.558W
- Anchor buoy #2 white with a blue stripe, at 47-44-07.302N, 122-45-54.852W
- Anchor buoy #3 white with a blue stripe, at 47-44-00.984N, 122-45-44.424W
- Yellow Test mooring Ball #1, at 47-43-56.652N, 122-46-15.212W
- Yellow Test mooring Ball #2, at 47-44-05.218N, 122-46-06.7422W
- Yellow Test mooring Ball #3, at 47-44-06.763N, 122-46-03.484W
- Yellow Test mooring Ball #4, at 47-44-10.403N, 122-46-03.501W
- Yellow Test mooring Ball #5, at 47-44-19.025N, 122-45-50.194W

Test operations with the barge are expected to resume in January 2016. Mariners should use caution when transiting in the vicinity of these buoys. For additional information please contact Mr. Jason Brustad at (360) 396-2958 or (360) 731-2909, or email: Jason.brustad@navy.mil.

Charts: 18476 18477

LNM: 47/15

**WASHINGTON – TACOMA HARBOR – PUYALLUP RIVER - Tacoma/Fife- I-5 Bridge Construction**

Hamilton Construction Company is constructing the new I-5 bridge north of the existing northbound bridge over the Puyallup River. Operating hours are from 0700 to 1800, Monday through Saturday, subject to change. Two work trestles have been constructed in the river. One work trestle has been constructed along and parallel to the north bank and one along and parallel to the south bank with an 80' wide navigable channel between the 12" yellow floating booms that are anchored around the trestles at approximate position 47-14-25.700N 122-23-58.000W. The work trestle structures will remain in place until November 2017. No barges will be used on the project. There will be three yellow floating water quality monitoring stations anchored in the river that are marked with amber flashing lights. The stations' positions will move as the work progresses. There will be one station secured upriver, one downriver and one adjacent to the work area as shown in enclosure (6) of LNM 25/15. The monitoring stations are tethered to mooring buoys. Mariners are requested to not transit between the mooring buoys and the monitoring stations, remain in the 80' navigation channel, and reduce wake when transiting the area. For additional information contact Mr. Jeff Phillips at (541) 953-9179.

Chart 18453

LNM: 45/15

**WASHINGTON - POSSESSION SOUND – APPROACHES TO EVERETT - MUKILTEO – Demolition and dredging at the Mukilteo Tank Farm Pier (Revised from LNM 27/15)**

Pacific Pile & Marine will commence demolition of the Mukilteo Tank Farm Fuel Pier located approximately .25 mile east of the Mukilteo Ferry Terminal. Operations are expected to commence 13 Nov 15 and last until 15 Feb 16, from 0700 to 1800 daily. The spud barge Web will have a material barge and the dump scow Mud Pup alongside, and will be assisted by the tug Sonja H. The Sonja H will tow the Mud Pup to the Port Gardner Non-Dispersive Disposal Site, located at approximate position 47-58.850 122-16.740 to dispose of the sediment collected at the project site. This will take place at least once daily during this time period. The vessels will monitor VHF-FM Ch. 5A and 13 and will use lights and day shapes per the Navigation Rules of the Road. Seven 3 foot regulatory buoys with white lights flashing every 15 seconds, visible for two miles will be deployed around the project perimeter. Mariners are requested to use caution and reduce wake when transiting the area. For additional information, contact Jim Luebeck at Pacific Pile & Marine at (206) 617-4335 or email at jiml@pacificpile.com.

Chart 18443

LNM: 44/15

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – FRIDAY HARBOR – Scientific Seafloor Equipment Deployment**

Cornell University has deployed scientific seafloor equipment near the University of Washington Friday Harbor Labs dock. The equipment consists of four hydrophone mounts that extend four feet above the seafloor with a series of cables connecting them to a shore side facility. All associated equipment is scheduled to be removed by 15 Feb 18. Details of locations for the equipment and cables are shown in enclosure (4) of LNM 45/14. Mariners are advised to avoid dragging or deploying gear near these locations. For additional information, contact Mr. Charles H. Greene at (607) 275-1662 or email chg2@cornell.edu.

Chart 18434

LNM: 38/14

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – HARO STRAIT – Acoustic Recorder Deployed**

Acoustic recorders have been set at three locations in Haro Strait, and will be in place until further notice. Mariners are advised to avoid dragging or deploying gear near these locations. The recorders are at the following positions:

- 48-30-51.73N 123-09-00.36W, 6 feet above the bottom
- 48-30-27.63N 123-11-54.35W, 50 meters below the surface
- 48-30-26.72N 123-11-50.69W, 40 meters above the bottom

Chart 18433

LNM: 23/13

**WASHINGTON – STRAIT OF JUAN DE FUCA AND BOUNDARY PASS – Temporary Subsurface Buoy Deployment**

**WASHINGTON – STRAIT OF JUAN DE FUCA AND BOUNDARY PASS – Temporary Subsurface Buoy Deployment**

Subsurface oceanographic mooring buoys extending 10 meters above the ocean floor have been temporarily set at the following positions until further notice. Mariners are advised to avoid dragging or deploying gear near these locations:

48-21.639N, 124-13.813W  
48-30.499N, 124-45.027W  
48-45.978N, 123-02.413W

Charts: 18431 18432 18460 18480

LNM: 18/13

**SECTION VIII - LIGHT LIST CORRECTIONS**

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
9825	TILLAMOOK BAY ENTRANCE REGULATED NAVIGATION AREA WARNING SIGN	45-34-13.000N 123-57-22.000W	Q Y			NW worded ROUGH BAR on skeleton tower.	Lights flashing when bar is restricted to recreational and uninspected passenger vessels. Contact the nearest US Coast Guard unit for futher information.	01/16
*	*	*	*	*	*	*	*	
9837	TILLAMOOK BAY ENTRANCE REGULATED NAVIGATION AREA WARNING SIGN						Remove from list. *	01/16
9865	GARIBALDI CHANNEL BOAT BASIN REGULATED NAVIGATION AREA WARNING SIGN	45-33-16.000N 123-55-08.000W	Q Y	12		NW worded ROUGH BAR on boat house.	Lights flashing when bar is restricted to recreational and uninspected passenger vessels. Contact the nearest US Coast Guard unit for further information.	01/16
18990	Cap Sante Waterway Daybeacon 1  15 feet outside channel limit.	48-30-40.481N 122-35-55.649W				SG on dolphin.	Ra ref.	01/16
		*						

**ENCLOSURES**

**Enclosure 1**

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

LNM: 01/16

**Enclosure 2**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 01/16

**Enclosure 3**

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 01/16

**Enclosure 4**

Sellwood Bridge navigation channel diagram

LNM: 50/15

**Enclosure 5**

Safety and security zones

LNM: 01/16

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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.

LCDR Michele L. Schallip  
Chief, Waterways Management Branch  
Thirteenth Coast Guard District

**BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS**

<b>BRIDGE LIGHTING DISCREPANCIES</b>						
<b>Waterway</b>	<b>Light List #</b>	<b>Bridge Name</b>	<b>Location</b>	<b>Status</b>	<b>Date Reported</b>	<b>BNM</b>
<b>OREGON COAST</b>						
Umpqua River	9369	CO&P RR Bridge	Reedsport, OR	Upriver red pier Lt extinguished	8/13/2015	0694-15
Siuslaw River	9573	CO&P RR Bridge	Acme, OR	Multiple lights extinguished	10/28/2015	0927-15
<b>COLUMBIA RIVER</b>						
Cowlitz River	14843	Harry Morgan Bridge	Longview, WA	Upriver (NE corner) red light extinguished *	12/14/2015	No BNM
Columbia River	11933	Hood River Bridge	Hood River, OR	Draw span damaged, unable to open ETR unknown	10/21/2015	0909-15
<b>SNAKE RIVER</b>						
None						
<b>WILLAMETTE RIVER</b>						
None						
<b>WASHINGTON COAST</b>						
None						
<b>PUGET SOUND</b>						
Port Townsend Canal	17577	Port Townsend Canal Hwy Bridge	Port Townsend, WA	Northeast Piling light extinguished	12/22/2015	1124-15
<b>IDAHO</b>						
None						
<i>* Updated report</i>						

<b>BRIDGE LIGHTING CORRECTIONS</b>						
<b>Waterway</b>	<b>Light List #</b>	<b>Bridge Name</b>	<b>Location</b>	<b>Status</b>	<b>Date Reported</b>	<b>BNM</b>
<b>OREGON COAST</b>						
None						
<b>COLUMBIA RIVER</b>						
Columbia River	11258	I-5 Bridges (Twin)	Portland, OR	Lights are watching properly	1/6/2016	No BNM
Columbia River	11392	I-205 Hwy Bridge (Main CH.)	Vancouver, WA	Lights are watching properly	12/5/2015	No BNM
<b>SNAKE RIVER</b>						
None						
<b>WILLAMETTE RIVER</b>						
None						
<b>WASHINGTON COAST</b>						
None						
<b>PUGET SOUND</b>						
None						
<b>IDAHO</b>						
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
27-Oct-15	Suspended until July 2016	24 Hrs, Mon-Sat	Coos Bay (RM 11+00 to 12+32)	M/V DB Seattle	M/V Koos King	VHF-FM 13 &16	ODMDS H & OS F	52/15
4-Jan-16	28-Feb-16	0600-1700 Mon-Fri	Columbia River; Willow Range RM 96+00 to 98+00	M/V Dredge 7	None	VHF-FM 13 &16	Shore Side	52/15
24-Dec-15	14-Feb-16	0600-1800 Mon-Fri	Blair Waterway, Geogia Pacific Terminal	M/V Orion 2001	M/V Skagit	VHF-FM 13 &16	Upland	50/15
1-Aug-15	8-Jun-16	24 Hrs, 7 Days	Whatcom Waterway, Bellingham; BST Dock, Log Pond, GP Dock & Inner Waterway	M/V Paliouse M/V Mulketio	MV Skagit & M/V Dungeness	VHF-FM 13 &16	Upland	31/15

Dredging Sites are subject to change dependant upon weather conditions and Gill Net Fisheries. Any Location listed may be used during the time period of November, although operations at each site may be limited to only a few days.

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

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

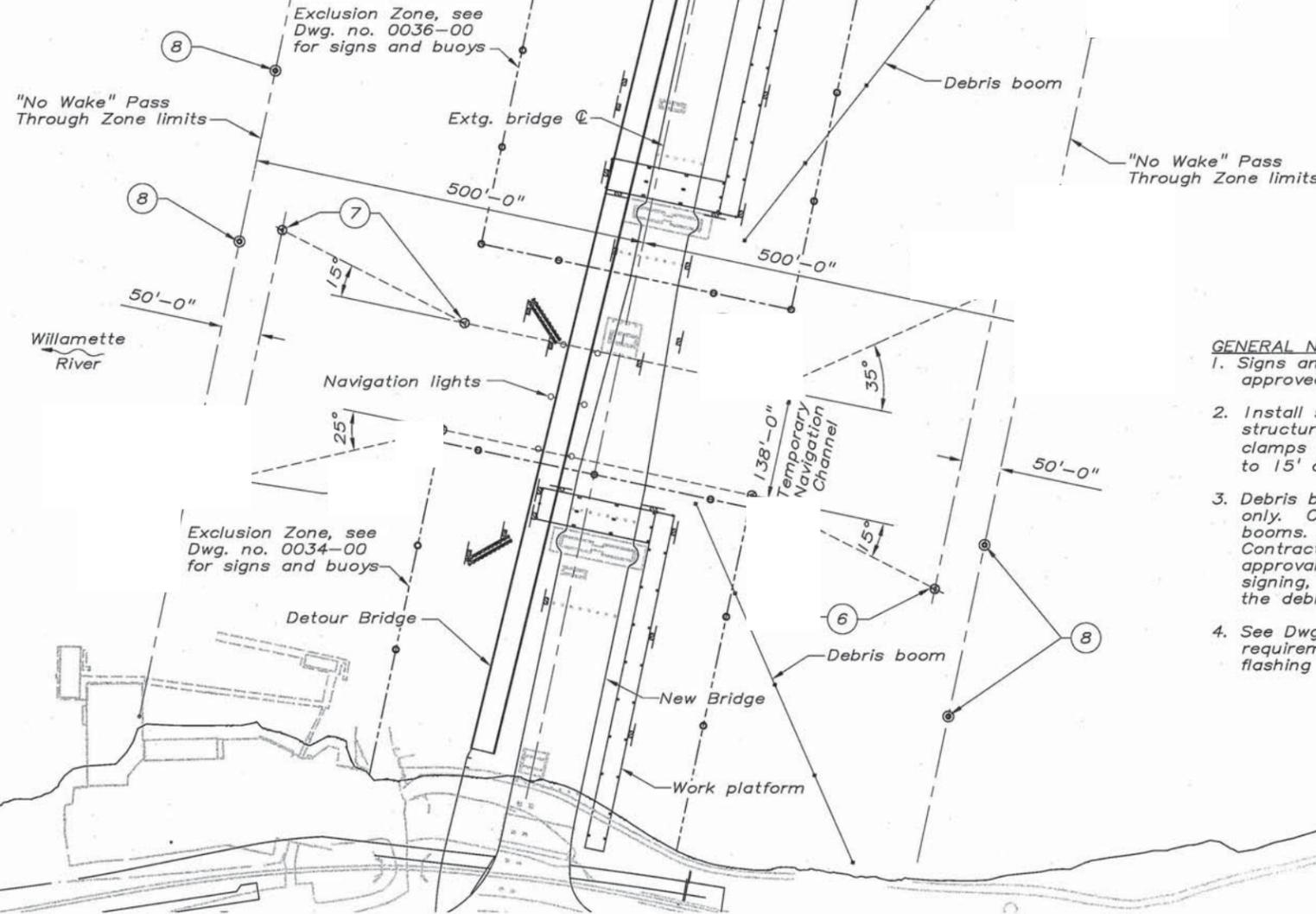
<b>SECTOR COLUMBIA RIVER MARINE EVENTS</b>			
<b>EVENT DATE</b>	<b>TIME</b>	<b>EVENT NAME</b>	<b>EVENT LOCATION</b>
10-Jan-16	1300-1700	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
17-Jan-16	1300-1700	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
24-Jan-16	1300-1700	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
31-Jan-16	1300-1700	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges

<b>SECTOR PUGET SOUND MARINE EVENTS</b>			
<b>EVENT DATE</b>	<b>TIME</b>	<b>EVENT NAME</b>	<b>EVENT LOCATION</b>
9-Jan-16	0900-2300	Three Tree Point Yacht Club	Duwamish Head
9-Jan-16	1045-1400	Hui Wa'a O Wakinikona	Lake Union
16-Jan-16	0900-1800	South Sound Sailing Society	Budd Inlet
21-Jan-16	0730-1700	Roche Harbor Resort	San Juan Islands
22-Jan-16	0730-1700	Roche Harbor Resort	San Juan Islands
23-Jan-16	0730-1700	Roche Harbor Resort	San Juan Islands
30-Jan-16	1000-1605	Corinthian Yacht Club of Tacoma	Quartermaster Harbor

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**LEGEND**

- ⊙ 13" Channel marker buoy with light
- ⊙ Existing "No Wake" buoy install flashing light
- 9" Regulatory buoy (see Dwg. no. 0036-00)
- ▮ Temporary sign (see Dwg. no. 0036-00)
- ⑥ 13" Dia. Red Channel Marker (Nun) with Red Solar Powered Flashing Light (4 Req'd.)
- ⑦ 13" Green Navigation Buoy (Can) with Green Solar Powered Flashing Light (4 Req'd.)
- ⑧ Install white color flashing lights on existing "No Wake" Float Collar Can Buoys (10 Req'd.)



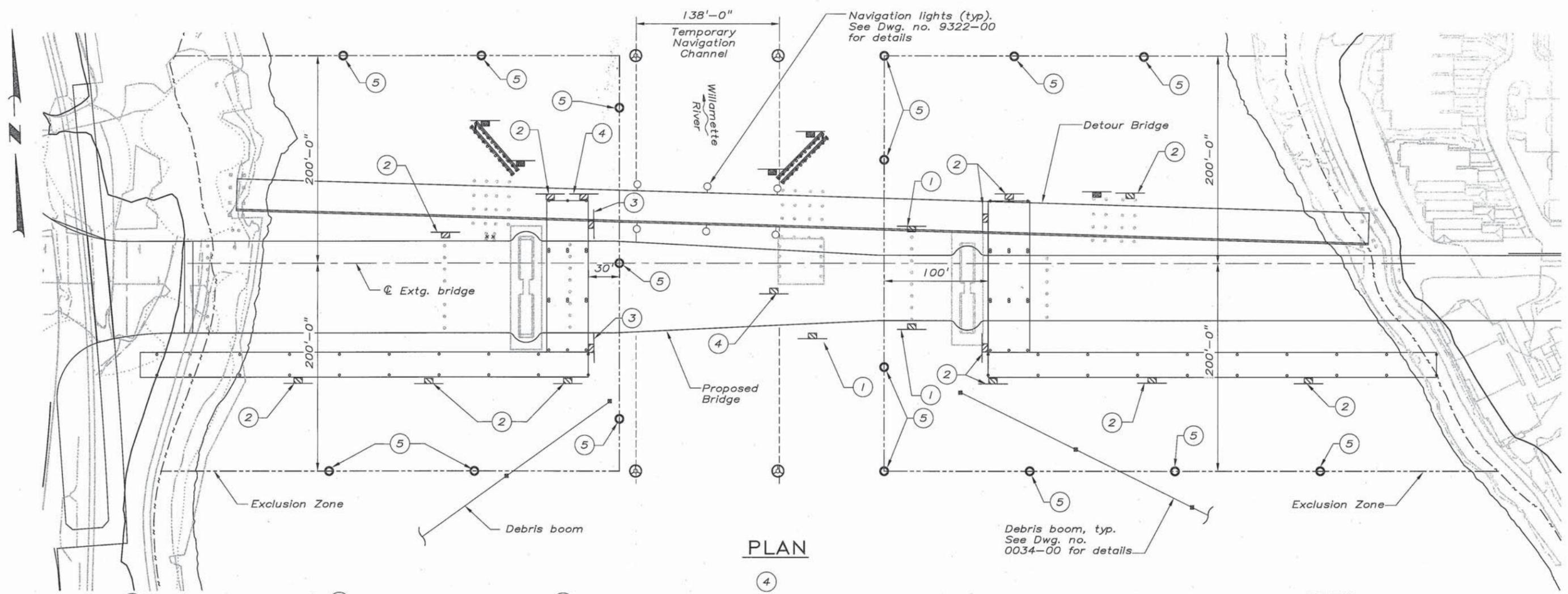
- GENERAL NOTES:**
1. Signs and buoy locations may be field adjusted as approved by the Engineer.
  2. Install signs on work platform and piling structures using sign industry common brackets, clamps and hardware. Locate bottom of sign 6' to 15' above OHW.
  3. Debris booms are shown for illustration purposes only. Contractor has option to install debris booms. Prior to installing any debris booms Contractor shall provide a plan to Engineer for approval. The plan shall include navigation signing, lighting and warning buoys for marking the debris boom as required.
  4. See Dwg. no. 0037-00 for details and requirements for signs, buoys and solar powered flashing lights.

DO NOT SCALE THIS DRAWING  
FOLLOW DIMENSIONS. INDICATED  
SCALES CORRECT ONLY FOR  
FULL SIZE SHEET (22"X34")

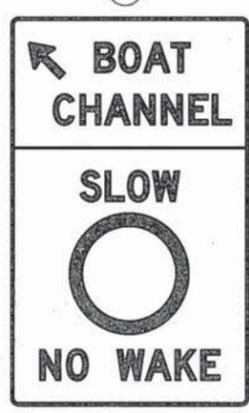
**PLAN**

	DATE	REVISION	BY	DRAFTER: Don Axtell		CONNECTING COMMERCE AND COMMUNITY <b>MULTNOMAH COUNTY</b> BRIDGES	<b>TY-LIN INTERNATIONAL</b> engineers   planners   scientists	STRUCTURE NO. 21493	WILLAMETTE RIVER (SELLWOOD) BRIDGE SELLWOOD BRIDGE PROJECT OSWEGO HIGHWAY AND TACOMA ST.	SHEET OF	
				DESIGNER: Eric Destival				DATE Sep. 2012			DRAWING NO.
				CHECKER: N/A				CALC. BOOK			0034-00
				REVIEWER: Eric Rau						TEMPORARY RIVER TRAFFIC ZONE PLAN	

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**PLAN**



- LEGEND**
- 9" Regulatory buoy
  - ▮ Install new temporary sign
  - ⊙ 13" Channel marker buoy with light (see Dwg. no. 0034-00 for placement & Dwg. no. 0037-00 for details)
  - ▮ Existing temporary sign (maintain sign installed in prior contract)

DO NOT SCALE THIS DRAWING  
FOLLOW DIMENSIONS. INDICATED  
SCALES CORRECT ONLY FOR  
FULL SIZE SHEET (22"X34")

**Notes:**  
See Dwg. no. 0034-00 for General Notes.  
See Dwg. no. 0037-00 for details relating to sign  
construction, buoys and buoy light requirements.

△	DATE	REVISION	BY	DRAFTER: <u>Don Axtell</u>			<b>TY-LIN INTERNATIONAL</b> engineers   planners   scientists	STRUCTURE NO. <u>21493</u>	<b>WILLAMETTE RIVER (SELLWOOD) BRIDGE SELLWOOD BRIDGE PROJECT OSWEGO HIGHWAY AND TACOMA ST.</b>	SHEET OF
				DESIGNER: <u>Eric Destival</u>				DATE <u>Sep. 2012</u>		DRAWING NO. <u>0036-00</u>
				CHECKER: <u>N/A</u>				CALC. BOOK ---		
				REVIEWER: <u>Eric Rau</u>				TEMPORARY RIVER TRAFFIC SIGNING PLAN		

## **SAFETY AND SECURITY ZONES**

### **Washington - Tank Ship Protection 33 CFR 165.1313**

Do not approach within 100 yards of any Tank Ship. No vessel or person is allowed within 100 yards of a tank ship, unless authorized by the on-scene official patrol or tank ship master. If you need to pass within 100 yards of a Tank ship, in order to ensure a safe passage and in accordance with the Navigation Rules, you must contact the Tank Ship on VHF-FM channel 16. When within a tank ship security zone all vessels shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the on-scene official patrol or tank ship master.

### **Washington - Large Passenger Protection 33 CFR 165.1317**

When within a large passenger vessel security and safety zone all vessels must operate at minimum speed necessary to maintain a safe course and must proceed as directed by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 100 yards of a large passenger vessel that is underway or at anchor, unless authorized by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 25 yards of a large passenger vessel that is moored.

### **Oregon - Large Passenger Protection 33 CFR 165.1318**

When within a large passenger vessel security and safety zone all vessels must operate at minimum speed necessary to maintain a safe course and must proceed as directed by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 100 yards of a large passenger vessel that is underway or at anchor, unless authorized by the on-scene official patrol or large passenger vessel master. No vessel or person is allowed within 25 yards of a large passenger vessel that is moored.

### **Washington – Protection of Military Cargo - Naval Vessel Protection Zone 33 CFR 165.1321**

Do not approach within 100 yards of any U.S. Naval Vessel. Within 500 yards of operation of the U.S. Naval Vessel you must transit at minimum safe operating speed. If you need to pass within 100 yards of a U.S. Naval Vessel, in order to ensure a safe passage and in accordance with the Navigation Rules, you must contact the U.S. Naval Vessel of the Coast Guard escort vessel on VHF-FM channel 16. Vessels 20 meters or greater in length should seek permission from the COTP or a Designated Representative at least 4 hours in advance. Vessel less than 20 meters in length should seek permission at least 1 hour in advance. VTS Puget Sound may be reached on VHF-FM channel 14.

### **Washington - Elliot Bay – Cruise Ship Protection - Pier 91 33 CFR 165.1324**

The Captain of the Port, Puget Sound has established the following areas as safety zones: All waters extending 1,000 yards due south from the end of Pier 91, to be in effect only during the arrival or departure of Large Passenger Cruise Vessels at Pier 91, Seattle, Washington. Additionally, a safety zone encompassing all waters within 100 yards surrounding Pier 91, Seattle, Washington is in effect when a Large Passenger Cruise Vessel is moored at Pier 91. In accordance with the general regulations in 33 CFR Part 165, Subpart D, no person or vessel may enter or remain in this security and safety zone, except for vessels authorized by the Captain of the Port or Designated Representatives.

### **Washington – Escorted U.S. Navy submarines in Sector Seattle COTP Zone 33 CFR 165.1327**

The following area is a security zone: All waters within 1000 yards of any U.S. Navy submarine that is operating in the Sector Puget Sound Captain of the Port Zone, as defined in 33 CFR Section 3.65–10, and is being escorted by the Coast Guard. In accordance with the general regulations in 33 CFR Section 165, Subpart D, no person or vessel may enter or remain in the security zone created by paragraph (a) of this section unless authorized by the Coast Guard patrol commander. The Coast Guard patrol commander will coordinate with Vessel Traffic System users on a case-by-case basis to make appropriate passing arrangements under the circumstances. 33 CFR Section 165, Subpart D, contains additional provisions applicable to the security zone created in paragraph (a) of this section. The Coast Guard security escort will attempt, when necessary and practicable, to notify any persons or vessels inside or in the vicinity of the security zone created in this section of its existence via VHF Channel 16 and/or any other means reasonably available.

### **Washington – U.S. Navy submarines in Hood Canal RNA 33 CFR 165.1328**

The following area is a regulated navigation area (RNA): All waters of the Hood Canal in the State of Washington whenever any U.S. Navy submarine is operating in the Hood Canal and is being escorted by the Coast Guard. For purposes of this section, "Hood Canal" means all waters of Hood Canal, including Dabob Bay, located between two lines with the first line connecting positions 47°37.9' N, 122°57.1' W and 47°37.9' N, 122°52.9' W and the second line connecting positions 48°00.7' N, 122°41.0' W and 47°56.4' N, 122°36.9' W. Regulations. All persons and vessels located within the RNA created by this section shall follow all lawful orders and/or directions given to them by Coast Guard security escort personnel. 33 CFR Section 165, Subpart B, contains additional provisions applicable to the RNA created in this section. The Coast Guard security escort will attempt, when necessary and practicable, to notify any persons or vessels in the RNA created in this section of its existence via VHF Channel 16 and/or any other means reasonably available.

### **Washington – Elliot Bay – Pier 36 Security Zone 33 CFR 165. 1334**

The Coast Guard has established a security zone at U.S. Coast Guard (USCG) Base Support Unit Seattle, Pier 36, Elliot Bay, Seattle, WA. This permanent security zone is necessary to protect military and visiting foreign vessels, waterfront facilities, and the maritime public from destruction, loss, or injury from sabotage, subversive acts, or other malicious acts of a similar nature. Entry into or movement within this security zone is prohibited without the permission of the Captain of the Port or a Designated Representative. 165.1334 Security Zone; U.S. Coast Guard BSU Seattle, Pier 36, Elliot Bay, Seattle, WA. (a) Location: The following area is a security zone: all waters east of a line from 47-35.450°N 122-20.585°W to 47-35.409°N 122-20.585°W at Pier 36, Elliot Bay, Seattle, WA. (b) Regulations: In accordance with the general regulations in 33 CFR Part 165, Subpart D, no vessel may enter, transit, moor, or anchor within this security zone located at Pier 36, Elliot Bay, WA, except for vessels authorized by the Captain of the Port or Designated Representative. (c) Authorization: To request authorization to operate within this security zone, contact United States Coast Guard Sector Puget Sound Joint Harbor Operations Center at 206-217-6001.