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

LOCAL NOTICE TO MARINERS

District: 13 Week: 44/16

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=13

COMDTPUB P16502.6, Light List Volume VI, 2016 Edition and Coast Pilot Volume 7, 2016.
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, 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	D13-0955-16	D13-0965-16

ABBREVIATIONS

A through H

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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

WASHINGTON - PUGET SOUND - NORTHERN PART – HOOD CANAL – Naval research operations

The Naval Undersea Warfare Center will conduct operations in Hood Canal south of the Hood Canal Bridge and North of 47-39.000N. Operations will be from 0000 14 Nov through 2400 30 Nov16. Operations will involve a tug pushing a barge ahead, making way, while the barge has equipment over the side. As a result, the tug and barge combination will be restricted in its ability to maneuver. All mariners are requested to remain clear of the tug and barge. The tug will be monitoring VHF-FM marine Channel 16 at all times. Questions can be directed to any operating support craft/personnel on marine VHF-FM Ch. 16 or by contacting the Pacific Northwest Range Management and Operations Division, Range Control Branch, Keyport, WA at 360-396-2313.

Chart 18476 LNM: 44/16

WASHINGTON – PUGET SOUND – APPLECOVE POINT TO KEYPORT; AGATE PASSAGE – APPROACHES TO LIBERTY BAY – Submersible operations

The Naval Undersea Warfare Center will conduct operations in the vicinity of the Brownsville marina area and Keyport from 07 Nov 16 through 23 Dec 16, Monday through Friday during daylight hours. Operations will involve semi-submersible and submersible vessels escorted by a small naval craft with a flashing red light. The small craft will monitor VHF-FM channels 16 and 12. 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 vessels while the range is in operation. For additional information contact Keyport Range Control via radio or by contacting the Pacific Northwest Range Management and Operations Division, Range Control Branch, Keyport, WA at 360-396-2313.

Chart 18446 LNM: 44/16

WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - SINCLAIR INLET- Naval Base Kitsap Harbor Patrol Unit Security Exercise with blank ammunition

Naval Base Kitsap's Harbor Security will be conducting several exercises from 1400 to 1600 on 03 Nov 16 in the vicinity of the Puget Sound Naval Shipyard waterfront. There will be multiple shots fired from the opposing forces and Navy Security Boats. The surrounding community of the Sinclair Inlet should expect to hear multiple gun shots from the exercise during the specified time frames. Navy security boats HS-26, HS-10, HS-23, and HS-29 will be on site and will be monitoring VHF-FM channels 12, 16 and 65A. Mariners are requested to use caution, reduce speed and keep a safe distance from the exercise.
The exercise will be held in an area bound by the following points:
NW Point- 47-33-06.000N, 122-39-25.000W
SW Point- 47-32-29.000N,122-39-32.000W
NE Point- 47-33-31.000N, 122-37-44.000W
SE Point- 47-32-54.000N, 122-37-44.000W
For additional information, contact ENS Michael Hodosky at 619-218-0835 (Cell), or CPO (SW/AW/EXW) Michael Reyes at 210-952-0410 (Cell).

Chart 18452 LNM: 44/16

WASHINGTON – LAKE WASHINGTON SHIP CANAL – Large lock closure

The Hiram M. Chittenden large lock will close to all marine traffic for annual maintenance from 0900 07 Nov 16 to 2000 23 Nov 16. The small lock will still be available for vessels less than 120 feet in length and 26 feet in width throughout the large lock maintenance period. The scheduled repairs to the large lock are part of an annual general maintenance program. Questions may be directed to Lockmasters Larry Meyer or Vickie Shepard, at 206-789-2622 ext. 230, or Public Affairs Officer Bill Dowell, at 206-764-3464.

Chart 18447 LNM: 44/16

WASHINGTON – LAKE WASHINGTON SHIP CANAL – Montlake Bridge – Special Bridge Notice (Revised from LNM 41/16)

The U.S. Coast Guard has issued a temporary deviation from the normal operating schedule that governs the Montlake Bridge over the Lake Washington Ship Canal, mile 5.2. The Montlake Bridge need not open the draw for marine vessels during heavy road traffic for the University of Washington football games on the following dates and times:

- 12 Nov 16 1400 to 1630 and 1930 to 2200
- 19 Nov 16 TBA

The deviation is necessary to accommodate vehicular traffic attending football games at Husky Stadium at the University of Washington, in Seattle, WA. Vessels which do not require a bridge opening may continue to transit beneath this bridge during the closure. The bridge will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. This deviation would allow the bridge to remain in the closed position two and a half hours before and two and a half hours after each game. The U.S. Coast Guard will inform the users of the waterway through our Local Broadcast Notices to Mariners of any change in this operating schedule. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times. For more information, contact Barbara Rasaie at 425-739-3700.

Chart 18447 LNM: 44/16

COLUMBIA RIVER – BONNEVILLE TO THE DALLES – Safety zone (Revised from LNM 42/16)

There will be a safety zone in effect from 1700 to 1930 on 11 Nov 16 for the Veterans Day Celebration fireworks display. The safety zone will extend 800 ft upstream and downstream and 1000 ft abreast from the fireworks barge located at approximate position 45-36-18.300N 121-10-34.150W. No person may enter or remain in the safety zone unless authorized by the Captain of the Port or his designated representative. The Captain of the Port may be assisted by other Federal, State, or local agencies with the enforcement of the safety zone. All vessel operators who desire to enter the safety zone must obtain permission from the Captain of the Port or his Designated Representative by contacting either the on-scene patrol craft on VHF-FM Ch 13 or Ch 16 or the Coast Guard Sector Columbia River Command Center via telephone at 503-861-6211.

Chart 18532 LNM: 43/16

OREGON - WILLAMETTE RIVER - PORTLAND TO WALNUT EDDY - Sellwood Bridge construction (Revised from LNM 41/16)

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. One pier from the old bridge remains in place east of the temporary navigable channel. This pier will remain in place until approximately October 2017 and is marked with temporary lighting. Mariners are cautioned to observe the temporary bridge navigation lighting and comply with the exclusion area established by signage. The temporary buoyage system has been removed. For additional information contact Mr. Dustin Murphy at 503-314-0751 or email ddmurphy@sundt.com.

Chart 18528 LNM: 43/16

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Dock repairs

Advanced American Construction will be performing dock repairs at Willamette River RM 9. The derrick barge DB 4000 will be spudded down working from 17 OCT 16 through 02 DEC 16 working 0700 to 1730 Monday through Saturday. The derrick barge 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 operating hours, the derrick barge will be monitoring VHF-FM Ch. 13. For more information contact Mr. Todd High at 503-572-0101 or ToddH@CallAAC.Com.

Chart 18526 LNM: 42/16

OREGON - WILLAMETTE RIVER – PORT OF PORTLAND - Safety zone

There will be a safety zone in effect from 1800 to 2030 on 13 Nov 16 for the Celebration of Life for Donald W. Gardner fireworks display. The fireworks barge will be located on the Willamette River between the Burnside and Steel Bridges at approximate river mile 12. The safety zone will extend 675 ft upstream, 850 ft downstream and 450 ft abreast from the fireworks barge located at approximate position 45-31-32.370N 122-40-04.770W. No person may enter or remain in the safety zone unless authorized by the Captain of the Port or his designated representative. The Captain of the Port may be assisted by other Federal, State, or local agencies with the enforcement of the safety zone. All vessel operators who desire to enter the safety zone must obtain permission from the Captain of the Port or Designated Representative by contacting either the on-scene patrol craft on VHF Ch 13 or Ch 16 or the Coast Guard Sector Columbia River Command Center via telephone at 503-861-6211.

Chart 18526 LNM: 42/16

WASHINGTON - LAKE WASHINGTON SHIP CANAL - LAKE WASHINGTON - SR-520 SPECIAL BRIDGE NOTICE - Critical Navigation Notice (Revised from LNM 41/16)

The east navigation channel will be closed to all marine traffic through 2400 31 Oct 16. While the east navigation channel is closed the west navigation channel is open to mariners. Up to two construction barges may be operating in the east navigation channel.

For vessels with air draft greater than 44 ft, temporary passage can be established through the east navigation channel. Please contact KGM Superintendent Matt Steffens at 425-749-6675 or email matt.steffens@kiewit.com.

Mariners are advised to use caution while transiting near derrick (crane) barges and work barges within the SR520 project area. These vessels are currently anchored and may present submerged hazards. Work zones around some derrick barges have been marked with red/white buoy strings. Mariners should maintain a safe distance and minimize wake around all floating derrick barges and other construction vessels.

Mariners should use caution while transiting around old SR-520 bridge columns and piers. Demolition of these piers and columns is continuing through 2400 30 Nov 16 and will present obstructions to approaching vessels.

The pontoons that made up the old SR-520 bridge will be transported from Lake Washington to Shilshole Bay through December 2016.

The eastern navigation channel will have a horizontal clearance of 256 feet and a vertical clearance of 70 feet when open to marine traffic.

Exclusion area buoys and signage will mark the four Pontoon Alpha submerged anchor wires near the west navigation channel (enclosure 4). Mariners should avoid passing through active demolition work in this zone.

The west navigation channel has been opened with a varied horizontal clearance between 94 feet and 150 feet. The vertical clearance for the new west channel is 44 ft. Mariners should use caution while navigation this channel due to the varied channel widths.

12 temporary barge mooring pilings have been placed on the north side of the bridge just west of the east 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.

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 (Fl W 4s) and blue retroreflective tape have been relocated near the bridge for the mooring of the deconstructed old bridge sections as shown in enclosure (4) of this LNM. The new positions are:

Buoy A 47-38-42.770N, 122-16-12.754W
Buoy B 47-38-40.363N, 122-15-57.150W
Buoy C 47-38-37.992N, 122-15-41.774W
Buoy D 47-38-35.619N, 122-15-26.398W
Buoy E 47-38-33.246N, 122-15-11.022W
Buoy F 47-38-30.872N, 122-14-55.649W
Buoy G 47-38-21.308N, 122-15-58.312W
Buoy H 47-38-14.986N, 122-15-17.343W

Red and Green navigation buoys (marked with red/green steady lights) are in place to direct vessel traffic through the east and west navigation channels. Mariners should not deviate from these established paths through navigations channels when open to vessel traffic.

For additional information contact Mr. Matt Steffens at 425-749-6675 or email matt.steffens@kiewit.com.

Chart 18447 LNM: 42/16

COLUMBIA RIVER AND APPROACHES – FORT STEVENS DGPS SITE - DGPS off-air time

The U.S. Coast Guard Navigation Center has approved off-air time for the Fort Stevens, OR, DGPS site to conduct equipment maintenance from 0900 until 1100 on 15 Nov 16, with an alternate time of 0900 until 1100 on 17 Nov 16. There will be a minimal loss of coverage during these times. 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 18521 LNM: 41/16

WASHINGTON – PUGET SOUND – OAK BAY TO SHILSHOLE BAY – SHILSHOLE BAY TO COMMENCEMENT BAY - Waterways Survey

The U.S. Coast Guard is conducting a user survey in the Puget Sound from Point No Point to buoy TC in East Passage along with Colvos (West) Passage. The U.S. Coast Guard uses Waterways Analysis and Management Systems (WAMS) to validate the adequacy of the existing aids to navigation (AtoN) system, as well as to get a better understanding of the uses of each waterway and general safety issues. WAMS focuses on the waterway's present AtoN system, marine casualty information, port and harbor resources, changes in recreational and commercial marine vessel usage and future development and dredging projects. The survey is available at the Coast Guard District 13 WAMS website http://www.uscg.mil/d13/dpw/wams.asp. The deadline for survey entries will be 31 Dec 2016. For additional information please contact LT Jeff Hiatt at 206-220-7283 or email D13-PF-LNM@uscg.mil.

Charts: 18441 18474 LNM: 41/16

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
765.38	DART Tsunami Warning Lighted Buoy 46451	ADRIFT	18003	0709-16	33/16	
765.45	DART Tsunami Warning Lighted Buoy 46452	ADRIFT	18003	0756-16	35/16	
10585	Eureka Dike Light 77	STRUCT DMGD	18523	0250-14	15/14	
11125	Bachelor Dike Light 15	LT IMCH	18525	0444-16	21/16	
11150	Willow Dike Light 23	STRUCT DEST	18525	0174-14	10/14	
11645	Prindle Dike Light 73	LT EXT	18531	0470-16	22/16	
12560	Lake Umatilla Light 36	LT EXT/DAYMK MISSING/STRUCT DMGD	18537	0511-16	24/16	
13735	Little Goose Reservoir Light 9	STRUCT DEST	18547	0056-16	03/16	
13750	Little Goose Reservoir Light 12	REDUCED INT	18547	0139-16	07/16	
14610	Sand Island Lower Dike Light 1	STRUCT DMGD	18521	1092-15	51/15	
15210	Willapa Bay Entrance Light 13	MISSING	18504	0839-16	38/16	
15515	**Bay Center Channel Light 11**	**LT EXT**	**18504**	**0958-16**	**44/16**	
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/DAYMK MISSING	18502	0746-15	35/15	
16167	Neah Bay Marina Breakwater Obstruction Light B	STRUCT DEST	18484	0944-16	43/16	
16515	**Colvos Rocks Light**	**LT IMCH**	**18477**	**0963-16**	**44/16**	
16815	Puget Sound Traffic Separation Lane Lighted Buoy SG	RAC INOP	18446	0926-16	42/16	
17090	Browns Point Light	REDUCED INT	18453	0742-16	35/16	
17700	**Colvos Rocks Light**	**LT IMCH**	**18477**	**0963-16**	**44/16**	
19840	Parker Reef Light	DAYMK IMCH	18430	0769-16	36/16	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9501	Siuslaw River Channel Buoy 11	RESET ON STATION	18583	0957-16	43/16	44/16
16540	Puget Sound Traffic Separation Lane Lighted Buoy SE	WATCHING PROPERLY	18473	None	44/16	44/16
17860	Hood Canal Light 15	RELIGHTED	18458	0955-16	43/16	44/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
613	Scripps Institute Wave Recorder Lighted Buoy 46229/139	MISSING	18580	0875-16	40/16	
727	OSU Grays Canyon Research Lighted Buoy	MISSING	18500	0923-16	42/16	
8728	Scripps Institute Wave Recorder Lighted Buoy 46229/139	MISSING	18580	0875-16	40/16	
10830	**Rainier Anchorage Lighted Buoy R**	**LT EXT**	**18524**	**0965-16**	**44/16**	
16930	Blake Island Daybeacon 2	DAYMK IMCH	18449	0905-16	42/16	
16940	Blake Island Daybeacon 4	DAYMK IMCH	18449	0905-16	42/16	
16950	Blake Island Daybeacon 6	DAYMK IMCH	18449	0905-16	42/16	
18086.6	Bremerton Marina Float Light D	LT EXT	18452	0924-16	42/16	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

16115	University of Washington LaPush Research Lighted Buoy	RESET ON STATION	18480	0959-16	43/16	44/16

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
700	North Head Light	DISCONTINUED	18521	0836-16	38/16	
10585	Eureka Dike Light 77	RELOCATED	18523	0250-14	15/14	
11150	Willow Dike Light 23	TRLB	18525	0177-14	10/14	
12560	Lake Umatilla Light 36	TRLB	18537	0529-16	25/16	

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

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

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Main Panel 2245 NEW YORK HARBOR CGD01

(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W

Green can

Corrective Action	Object of Corrective Action	Position

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

18441 47th Ed. 01-JUN-11 Last LNM: 43/16 NAD 83 44/16

ChartTitle: **Puget Sound-northern part**

Main Panel 1689 PUGET SOUND - NORTHERN PART. Page/Side: N/A

		NOS	
CHANGE	Mariners Cove Entrance Light 1; Fl G 4s "1" Priv (NOS NW-25984)	48-17-02.111N	122-31-11.047W

18502 87th Ed. 01-SEP-11 Last LNM: 32/16 NAD 83 44/16

ChartTitle: **Grays Harbor;Westhaven Cove**

Main Panel 1731 GRAYS HARBOR. Page/Side: N/A

		NOS	
ADD	Obstruction; Obstn PA Chart No. 1: K40 (NOS NW-25978)	46-58-40.740N	123-52-57.000W

18561 13th Ed. 01-DEC-11 Last LNM: 39/16 NAD 83 44/16

ChartTitle: **Approaches to Yaquina Bay;Depoe Bay**

CHART OR - APPROACHES TO YAQUINA BAY. Page/Side: N/A

		CGD13	
RELOCATE	OSU Waldport Offshore Research Lighted Buoy	from 44-22-00.120N	124-56-39.480W
		to 44-22-15.000N	124-56-52.500W

18580 23rd Ed. 01-MAR-14 Last LNM: 39/16 NAD 83 44/16

ChartTitle: **Cape Blanco to Yaquina Head**

Main Panel 1791 CAPE BLANCO TO YAQUINA HEAD. Page/Side: N/A

		CGD13	
RELOCATE	OSU Waldport Offshore Research Lighted Buoy	from 44-22-00.120N	124-56-39.480W
		to 44-22-15.000N	124-56-52.500W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)	Project Date	Ref. LNM
None		

Advance Notice(s)

WASHINGTON – STRAIT OF JUAN DE FUCA – EASTERN PART – Temporary disestablishment of New Dungeness Light

New Dungeness Light (LLNR 16335) will experience temporary losses of power while the commercial power system is undergoing repairs. These disruptions are expected to occur on 04 Nov 16, during daylight hours, but extenuating circumstances may create a longer period that the light would be extinguished. A Broadcast Notice to Mariners will be issued when the exact times of power loss will occur.

Chart 18465 LNM: 44/16

WASHINGTON – COLUMBIA RIVER TO DESTRUCTION ISLAND – Extended disestablishment of North Head Light for construction

The Washington State Parks and Recreation Commission will be conducting extensive masonry restoration and other work at North Head Light (LLNR 700) from approximately August 2016 through 01 Jun 2017. During this time, the light will experience short periods which it will be secured. Once specific dates for the outages are determined, a Broadcast Notice to Mariners will be issued.

Chart 18500 LNM: 34/16

WASHINGTON – STRAIT OF JUAN DE FUCA – EASTERN PORTION – Relocation of Smith Island Light and the disestablishment of Minor Island Light (Revised from LNM 03/16)

The U.S. Coast Guard has rebuilt Smith Island Light (LLNR 16375) between Smith Island and Minor Island in the eastern Strait of Juan de Fuca in approximate position 48-19-14.368N 122-49-51.449W. The U.S. Coast Guard will be discontinuing Minor Island Light (LLNR16380) due to the loss of land mass from erosion at that location. A revised notice will be published when the date of removal has been scheduled.

Chart 18465 LNM: 09/16

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)

WASHINGTON – ADMIRALTY INLET AND PUGET SOUND TO SEATTLE – Removal of Racon from Lighted Buoy "SG"

The U.S. Coast Guard is proposing to remove the Racon from Puget Sound Traffic Separation Lane Lighted Buoy "SG" (LLNR 168150) as it is no longer considered necessary for safe navigation of the waterway.

Charts: 18441 18449 LNM: 44/16

WASHINGTON – SNAKE RIVER - LAKE SACAJAWEA – Reduction in nominal range of Lake Sacajawea Light 25

The U.S. Coast Guard is proposing to reduce the nominal range of Lake Sacajawea Light 25 from 6 NM to 5 NM. The change in nominal range will have a minor effect upon the intensity of the lantern and will not be noticeable to the majority of mariners. Although the nominal range will be reduced, the current light intensity will only be slightly decreased. In addition, this will allow the installation of a self contained LED lantern, increasing the light's reliability.

Chart 18545 LNM: 41/16

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BELLINGHAM CHANNEL – Change of dayboards at Viti Rocks Light

The U.S. Coast Guard is proposing to change the dayboards at Viti Rocks Light (LLNR 19200) from Information and Regulatory marks to Non-Lateral dayboards, diamond shaped with red and white squares. This change is to increase the visible range of the daymarks.

Charts: 18421 18424 LNM: 41/16

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: 44/16

SUMMARY OF DREDGING OPERATIONS

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

LNM: 44/16

SUMMARY OF MARINE EVENTS

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

LNM: 44/16

OREGON –IDAHO – WASHINGTON - MONTANA – GPS testing

US Strategic Command is conducting GPS testing encompassing an area of eastern Oregon, Washington and the majority of the state of Idaho and

OREGON –IDAHO – WASHINGTON - MONTANA – GPS testing

a portion of Montana. The GPS navigation signal may be unreliable due to testing on GPS frequencies used by shipboard navigation and handheld systems. Systems that rely on GPS, such as e-911, AIS and DSC, may be affected. The center point of the test is 42-22.730N 115-45.210W, with a radius of 356 NM. GPS testing would occur on GPS frequencies L1 and L2 on the following dates:

01 Nov 16: 0000Z-0230Z and 1730Z-2359Z
02 Nov 16: 0000Z-0330Z and 1730Z-2359Z
03 Nov 16: 0000Z-0130Z and 1730Z-2359Z
04 Nov 16: 0000Z-0130Z and 1730Z-2359Z

More information is available at the U.S. Coast Guard Navigation Center web site, www.navcen.uscg.gov. During this period GPS users are encouraged to report any GPS service outages that they may experience to the Navigation Information Service by calling 703-313-5900 or by using the Navigation Center's web site to submit a GPS problem report.

01 Nov 16: 0000Z-0230Z and 1730Z-2359Z
02 Nov 16: 0000Z-0330Z and 1730Z-2359Z
03 Nov 16: 0000Z-0130Z and 1730Z-2359Z
04 Nov 16: 0000Z-0130Z and 1730Z-2359Z

More information is available at the U.S. Coast Guard Navigation Center web site, www.navcen.uscg.gov. During this period GPS users are encouraged to report any GPS service outages that they may experience to the Navigation Information Service by calling 703-313-5900 or by using the Navigation Center's web site to submit a GPS problem report.

LNM: 37/16

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 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

OREGON - COOS BAY - Special Bridge Notice

The U.S. Coast Guard has issued a public notice announcing a proposal from Oregon Department of Transportation (ODOT) for a temporary rule change for the Isthmus Slough Bridge (LLNR 9087) crossing Isthmus Slough at in Coos Bay, OR. ODOT is the owner of the Isthmus Slough Bridge, and is proposing to only open half the span from 0700 01 Apr 17 until 1700 31 Jul 18. A work platform and containment structure will reduce the vertical clearance by 10 feet. The span vertical clearance will be reduced from 28 feet to 18 feet; the side vertical clearances will be reduced from 19 feet to 9 feet. Isthmus Slough Bridge is located across Isthmus Slough at mile 1.0 between Bunker Hill, OR, and Eastside, OR, approximate position 43-21-23.300N, 124-11-38.400W. For further information regarding environmental implications and the scope of work please consult Public Notice 02-16 which solicits comment and is available at http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1&region=13. Question or comments can be addressed to the Bridge Administrator, Mr. Steve Fischer at (206) 220-7282, or email d13-pf-d13bridges@uscg.mil.

Chart 18587 LNM: 31/16

OREGON - SIUSLAW RIVER - Bridge Notice

Repairs are being conducted on the U.S. 101 Bridge (LLNR 9558) across the Siuslaw River, mile 5.0, through 31 Mar 18. Repairs include a containment system with scaffolding that reduces the bridge's vertical clearance from the water line up to 5 feet. Signs and yellow lights have been installed to warn mariners of the reduced clearance. Scaffolding will be installed as work progresses from north to south. The U.S. 101 Bridge draw will not have containment installed so maritime navigation will not be impacted. Service barge(s) will be moored at the adjacent span supporting the maintenance work. Barge and work crew may be contacted using VHF-FM Ch. 16. Mariners are requested to transit the construction area at minimum safe speed with no wake. For more information, contact Mr. Wade Campbell at (541) 260-3345 or Mr. Danny McReynolds of the U.S.C.G District Thirteen Bridge Administration office at email Danny.G.McReynolds@uscg.mil.

Chart 18583 LNM: 29/16

COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT - Bridge special notice

ODOT is removing existing paint coating by sand blast and power tooling methods within engineered containments on the Astoria-Megler Bridge (LLNR 14630/10086) at Columbia River mile 13.5. Replacement of rivets, steel repairs, and new paint will be applied until complete on 31 Aug 18. The containment system will reduce the vertical clearance beneath the bridge by six feet. The work will be during daylight hours, generally from 0630 to 1800, Monday through Friday. Weekend work is not anticipated but could occur. The containment system will be in place for the duration of the project. The containment system is movable and will occupy approximately 300 to 400 feet at any one time. The work is anticipated to be performed year round. Mariners are advised to exercise caution when navigating under the bridge and to be aware of fall hazards while containment scaffolding is being relocated. All work will be staged from the roadway deck. On scene contacts for ODOT are Jeremy Chauvin at 503-338-8837 and Grant Hudkins at 503-338-0574.

Chart 18521 LNM: 23/16

IDAHO - LAKE COEUR D'ALENE - LAKE PEND OREILLE - Bridge Notice

The Burlington Northern Santa Fe Railroad Bridge 32 (LLNR 20087), Lake Pend Oreille mile 2.7, at Sandpoint, ID, will have inspection and repair work conducted through the winter. The work includes the approach piers to the north of the navigation span. The working hours will be from 0600 until 2000 seven days a week. Tug Josephine will position a barge C.E. Kramer at the bridge. The C.E. Kramer will remain moored at the work site until repairs have been completed. The C.E Kramer will have navigation lights and day marks in accordance with the Navigation Rules

IDAHO - LAKE COEUR D'ALENE - LAKE PEND OREILLE - Bridge Notice

(COLREGS-Inland). The point of contact for the C.E. Kramer is Charlie Kramer at 208-946-6820. Scaffolding will be installed under the bridge, and the vertical clearance will reduced from 15 feet to 11 feet one span at a time. The C.E. Kramer will moor under the span with scaffolding. Enclosure (5) of LNM 40/16 shows the location of the bridge and work plan. Mariners may transit under the bridge span with no active working, but at minimum safe speed. For additional information contact Mr. Alan Bloomquist, P.E. at 913-449-5451 or email Alan.Bloomquist@BNSF.com.

Chart 18554 LNM: 37/16

SNAKE RIVER - MALHEUR COUNTY - NYSSA - Bridge special notice

Work to attach a pipeline on the Nyssa Bridge (US HWY 26) at Snake River mile 389 will begin 01 Oct 16 through 31 Dec 16. The work will be done from underneath the bridge using scaffolding that will not creat any waterway obstruction, Monday through Friday during daylight hours only. Information signs will be posted at the Nyssa boat Ramp, upstream of the work area and downstream of the work area. For more information contact the project manager at 208-739-3344.

LNM: 35/16

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SAN JUAN CHANNEL – Bridge notice

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SAN JUAN CHANNEL – Bridge notice
Construction on the Deer Harbor Bridge has begun, and is scheduled to be complete in December 2016. The work schedule is Monday through Friday from 0800 until 1600. Crews will be clearing and grubbing on the north, east and west side of the bridge. Temporary erosion control systems will also be installed. The area will be hazardous to small vessels, and mariners are requested to stay well clear until the waterway is not impacted with water born hazards. Please contact San Juan County Public Works at: pubwks@sanjuanco.com, or (360) 370-0500.

Chart 18421 LNM: 29/16

WASHINGTON - SOUTH PUGET SOUND - CHAMBERS BAY - BURLINGTON NORTHERN SANTA FE RAILROAD SPECIAL DRAWBRIDGE NOTICE - Critical Navigation Notice

The U.S. Coast Guard is establishing a temporary deviation to test a proposed regulation change for the subject drawbridge. The temporary test deviation will be effective from midnight on 01 Jun 16 to midnight 01 Dec 16. During this period the subject bridge shall open on signal, except from 10 p.m. to 6 a.m. when the draw shall open on signal if at least 4 hours notice is given; however vessels engaged in emergency response and vessels in distress needing a drawbridge opening shall be passed as soon as possible. Interested parties are encourages to submit comments anytime during this test deviation period. At the end of the test period the U.S. Coast Guard will make a determination if this change should be made permanent. Comments may be sent to the Bridge Administrator, Thirteenth Coast Guard District; e-mail D13-PF-D13BRIDGES@uscg.mil.

Chart 18448 LNM: 20/16

WASHINGTON - BELLINGHAM BAY - BURLINGTON NORTHERN SANTA FE REPLACEMENT RAIL BRIDGE OVER BELLINGHAM BAY AT POST POINT LAGOON - Special Bridge Notice.

The U.S. Coast Guard has issued a public notice announcing a proposal from Burlington Northern Santa Fe Railway Company (BNSF), to replace a bridge over a navigable waterway of the United States at the unnamed shallow embayment informally known as Post Point Lagoon adjacent to Bellingham Bay at Bellingham, Washington at approximate position 48-43'06.22, 122-31'00.27 . BNSF proposes to replace the twin parallel bridges at the subject location. For further information regarding environmental implications and the scope of work please consult Public Notice 01-14 which solicits comment and is available at http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1&region=13. Question or comments can be addressed to the Bridge Administrator, Mr. Steve Fischer at (206) 220-7282, or email steven.m.fischer3@uscg.mil.

Chart 18421 LNM: 17/16

SNAKE RIVER – LAKE SACAJAWEA – Slow lockage times

Locking through the Navigation Lock at Ice Harbor Lock and Dam, located at Snake River mile 9.7, may require additional time from 0600 26 Sep 16 through 1700 12 Dec 16. Project personnel will be conducting navigation lock tainter valve work. While the tainter valve is out of service, vessel lockage time may lengthen by approximately 15 to 20 minutes. For additional information, call NWW Operations Division at 509-527-7112 or 509-527-7115.

Chart 18545 LNM: 39/16

OREGON - APPROACHES TO YAQUINA AND DEPOE BAY - YAQUINA BAY ENTRANCE – Shoaling reported in the Yaquina Bay Entrance Channel

The US Coast Guard has received a report of shoaling outside the entrance to Yaquina Bay, OR. The shoaling is reported as being 70 yards wide, 315 yards West-Southwest of the Yaquina Bay South Channel Jetty, between 44-36-31.080N 124-05-08.340W and 44-36-28.740N 124-05-06.180W. Depths 12 feet less than the charted depths have been observed. Mariners should exercise extreme caution when entering or departing Yaquina Bay, and transit on the northern side of the channel. An estimated location of the shoaling is attached as enclosure (4) of LNM 12/16.

Charts: 18561 18581 LNM: 12/16

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.

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

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 or 911@ofcc.com .

Charts: 18003 18580 18600 LNM: 41/14

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 from 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 Kalama Marina dredging (Revised from LNM 38/16)

Advanced American Construction will be suction dredging from a barge within the Port of Kalama Marina. A temporary pipeline will be in placed along the east bank from RM 75 to RM 77. The pipeline will cross the entrance of the Port of Kalama marina submerged at -15' CRD. The pipeline will be marked with orange marker buoys that are marked with steady white lights within the marina. Access to certain areas of the marina will be disrupted for short periods of time. Dredging will be Monday through Saturday.0700 to 1700 29 Sept 16 through 29 Nov 16. Tug Maria will be standing by. For additional information contact Lou Cornelison 503-969-0261 or Damien Pulley 541-892-3935.

Chart 18524 LNM: 39/16

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

Idaho Power is conducting a survey of juvenile sturgeon on the Snake River in Lower Granite Lake from RM 110.9 to RM 138.5 from 03 Oct 16 through 30 Nov 16. The survey will consist of up to 4 sinking style nets that will be positioned on the lake bottom spaced 0.1 miles from each other. The nets may be positioned across the navigation channel over a space of 0.4 miles, and the top of the nets will maintain a vertical clearance of 29 feet. Each net will be marked with at least one fluorescent red buoy at one end of the net with the number 14-267a. The opposite end buoy will be submerged when the net is near the navigation channel. This study will take place only during weekdays and during daylight or night time hours. Night time nets will be marked with white flashing lights (Fl 2s). The nets will be attended by a 25 foot vessel with "Fisheries Research" placards, which will monitor VHF FM Ch. 13, and will answer to "Idaho Power Survey Vessel" when hailed. All nets will be removed from the channel within 20 minutes upon request. For additional information, contact Idaho Power Environmental Department at Mr. Phil Bates 208-866-4894 or email pbates@idahopower.com.

Chart 18548 LNM: 37/16

COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT; ILWACO HARBOR – Baker Bay West Channel shoaling

Extensive shoaling has been reported on the northern edge of Baker Bay West Channel, northwest of Baker Bay West Channel Light 11 (LLNR 14455). Mariners should exercise caution when transiting this waterway. Mariners unfamiliar with the area should transit with extreme caution and not rely solely on aids to navigation while in the channel. For additional information contact Mr. Jarod Norton at 503-808-4348.

Chart 18521 LNM: 02/16

WASHINGTON – GRAYS HARBOR – Hazard to navigation (Revised from LNM 07/16)

A 20 foot by 20 foot section of dock has sunk in the Hoquiam River in approximate position 46-58-41.035N 123-52-56.606W causing a hazard to navigation. The hazard is marked by a white can buoy with orange bands. Vessels are advised to use extreme caution while transiting the area, especially at low tide. For additional information mariners are advised to contact U. S. Coast Guard Sector Columbia River at 503-861-6211.

Chart 18502 LNM: 21/16

WASHINGTON – GRAYS HARBOR – Hazard to navigation

The U.S. Coast Guard has designated a previously unknown wreck at approximate position 46-58-03.660N 123-52-26.520W as a hazard to navigation. The vessel is 27' in length. It is above authorized depth and will further reduce the Federal Project Depth if it remains present for the eventual deepening of the channel. The vessel is located in an area of known shoaling and would cause difficulty for vessel dredging in the area. This wreck has been charted.

Chart 18502 LNM: 25/16

WASHINGTON – ABERDEEN AND WESTHAVEN – Embedded log

A dead head log that has become embedded at an angle in the harbor bottom has been located in the vicinity of the Elliot Slough turning basin at approximate position 46-58-31.447N, 123-46-54.255W. The object is submerged at high water. All mariners use caution when transiting the

WASHINGTON – ABERDEEN AND WESTHAVEN – Embedded log

area. For additional information contact Mr. Craig Morton at (206) 764-3429 or email Craig.D.Morton@usace.army.mil.

Chart 18502 LNM: 10/16

WASHINGTON – COLUMBIA RIVER TO DESTRUCTION ISLAND – Subsurface moorings

NOAA has deployed subsurface acoustic recorder moorings for research at the locations listed in Enclosure (4) of LNM 07/16. The moorings are on station and will begin to be retrieved in July 2016. They are set at various depths up to 500 meters and as shallow as 40 meters. NOAA is requesting that mariners maintain a distance of 500 yards from the positions noted. For additional information contact Dr. M. Bradley Hanson at (206) 860-3220 or email brad.hanson#noaa.gov.

Charts: 18480 18500 LNM: 07/16

WASHINGTON - STRAIT OF JUAN DE FUCA ENTRANCE – Quillayute River Wall repairs

Newalen, LLC has started work on repairs on the Quillayute River Wall. The end date is yet to be determined as weather and tides will affect the work schedule, but no later than 28 Feb 17. Planking on the breakwater timber wall will be replaced as needed on the exterior side of the wall. Operations will be Monday through Sunday, dawn to dusk. Not all days or times may be needed, but based on tides and weather any day of the week could be utilized. The vessel to be used in the is a 22ft landing craft which does not have a name designation. Crew onboard will have both VHF radio as well as cell phones. Crew will be monitoring VHF-FM Ch. 16. The vessel in use will be pinned against the wall and is small enough not to create congestion. For additional information contact Andrea Guild at 509-953-4726 or email Newalen@live.com or Mr. Todd Snyder at 509-941-8200.

Chart 18480 LNM: 37/16

WASHINGTON – PUGET SOUND – PORT GAMBLE – Marine construction

Orion Marine Contractors, Inc. will conduct construction operations including; pile removal, installation of capping materials, demolition of structures, and dredging at the former mill site located at the northwest corner of Port Gamble entrance to the south end of Port Gamble Bay. Operations will be from 15 Jun 16 through January 2017. Loaded material barges will transit through the entrance to Port Gamble from work locations on both sides of the former mill site and to work locations at the south end of the bay. All vessels will be lighted in accordance with the navigation rules. Mariners are requested to slow through the work area and stay clear of construction vessels and equipment. The crane and tugs will monitor VHF-FM Ch. 05A and 13. For additional information please contact Mr. Justin Strong at (253) 552-1140 or email jstrong@orionmarinegroup.com.

Chart 18458 LNM: 24/16

WASHINGTON – SOUTHERN PART – TACOMA HARBOR – Pier 4 pile driving operations

Manson Construction Company is conducting pile driving operations at Pier 4 in the Blair Waterway in Tacoma, WA. The project is expected to last until 14 Feb 17. The derrick barge Scandia, tug Lisa M, and the deck barge M64 will be on scene. The Scandia will monitor VHF-FM channels 8, 13, and 14. The anchor arrangement for the Scandia will be composed of two anchors located on the east side of the waterway. The anchor cables will be tight during pile driving operation, but will be lowered during off hours. The anchors are located at positions:
47-16-29.642N 122-24-31.232W
47-16-25.614N 122-24-21.933W
Manson requests that vessels entering and leaving the Blair waterway make passing arrangements. For additional information contact Mr. Eric Ramirez at 206-762-0850 or email ERamirez@mansonconstruction.com.

Chart 18453 LNM: 38/16

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 – LAKE WASHINGTON SHIP CANAL – Large lock closure

The Hiram M. Chittenden large lock will close to all marine traffic for annual maintenance from 0900 07 Nov 16 to 2000 23 Nov 16. The small lock will still be available for vessels less than 120 feet in length and 26 feet in width throughout the large lock maintenance period. The scheduled repairs to the large lock are part of an annual general maintenance program. Questions may be directed to Lockmasters Larry Meyer or Vickie Shepard, at 206-789-2622 ext. 230, or Public Affairs Officer Bill Dowell, at 206-764-3464.

Chart 18447 LNM: 35/16

WASHINGTON – PUGET SOUND – NORTHERN PART – EVERETT HARBOR

Orion Marine Contractors, Inc. will be performing dredging, transloading, and rock placement at the former Weyerhaeuser Mill A Site located south of Pier 1 near the Pacific Terminal at the Port of Everett. Operations will be 0600 to 1800, Monday to Friday, 08 Aug 16 through December 2016. Loaded material barges will transit daily between the dredge site south of Pier 1 near the Pacific Terminal and the transload location on the

WASHINGTON – PUGET SOUND – NORTHERN PART – EVERETT HARBOR

southern tip of the South Terminal. During the project, barges loaded with sediment for open water disposal will transit from the dredge location to the Port Gardner Open Water Disposal Site. Crane barge 1601, material barges ITB 166 and Westar 204, the dump barge Orion 2001, and the tug Skagit will be onsite, as well as support provided by Dunlap Towing. Rocks will be placed at the dredge site once dredging is complete. Mariners are requested to provide minimum wake in the work area and stay clear. The crane barge and tugs will monitor VHF-Fm Ch 05A and 13. For additional information please contact Mr. Casey Shaw at (253) 298-2243 or email cshaw@orionmarinegroup.com.

Chart 18443 LNM: 30/16

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

STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – BOUNDARY PASS AND HARO STRAIT - Placement of underwater equipment

Subsurface research buoys have been placed in Boundary Pass and Haro Strait at approximate positions 48-41-07.32N 123-16-26.10W and 48-30-23.68N 123-12-37.92W. The buoys are set to float approximately eight meters above the seabed. Additional subsea research buoys are located in Canadian waters. For additional information contact Mr. Marc LeBlanc at (250) 363-2034.

Chart 18421 LNM: 08/16

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	
651	*OSU Waldport Offshore Research Lighted Buoy*	44-22-15.000N 124-56-52.500W	Fl Y 4s			Yellow buoy.	Private Aid.	44/16
16086	QUILLAYUTE RIVER ENTRANCE LIGHT 2A *	47-54-21.000N 124-38-37.800W	Fl R 2.5s	20	3	Red pile structure.	Due to weather conditions, the daymarks have been permanently removed from this aid.	44/16
18460	Mukilteo Light *	47-56-55.484N 122-18-22.470W	Fl W 5s	33	14	White octagonal tower with red roof, attached to white square building. 33	Lighted throughout 24 hours. HORN: 1 blast ev 30s (3s bl). HORN is activated by keying the mic 5 times on VHF-FM Channel 83A (157.175MHz). HORN will operate for 30 minutes. *	44/16

ENCLOSURES

Enclosure 1

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

LNM: 44/16

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 44/16

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 44/16

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 Michele L. Schallip
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						
Umpqua River	9367	US 101 Highway Bridge	Reedsport, OR	North main white and west pier lights extinguished	9/29/2016	0866-16
COLUMBIA RIVER						
None						
SNAKE RIVER						
None						
WILLAMETTE RIVER						
None						
WASHINGTON COAST						
None						
PUGET SOUND						
None						
IDAHO						
None						

BRIDGE CORRECTIONS

Waterway	Light List	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
None						
COLUMBIA RIVER						
FDR Lake	14372	Kettle Falls Railroad Bridge	Kettle Falls, WA	All lights are watching properly	10/26/2016	No BNM
SNAKE RIVER						
None						
WILLAMETTE RIVER						
None						
WASHINGTON COAST						
None						
PUGET SOUND						
Lake Washington	18389	I-90 Bridge	Mercer Island, WA	All lights are watching properly	10/26/2016	No BNM
Port Washington Narrows	18103	Warren Avenue Bridge	Bremerton, WA	All lights are watching properly	10/25/2016	No BNM
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
TBD	TBD	24 Hrs, 7 Days	Columbia River, Upper Sands (RM 14+30 to 16+45)	M/V Essayons	None	VHF-FM 13 & 16	O-18.2-IW	44/16
TBD	TBD	24 Hrs, 7 Days	Columbia River, Tongue Point (RM 18+20 to 21+05)	M/V Essayons	None	VHF-FM 13 & 16	O-18.1-IW W-20.8-IW	44/16
TBD	TBD	24 Hrs, 7 Days	Columbia River, Miller Sands (RM 21+20 to 21+35 and 22+00 to 23+00)	M/V Essayons	None	VHF-FM 13 & 16	W-20.8-IW O-22.9-IW	44/16
29-Oct-16	8-Nov-16	24 Hrs, 7 Days	Columbia River, Miller and Pillar (RM 24+30 to 26+25)	M/V Essayons	None	VHF-FM 13 & 16	O-22.9-IW W-24.1-IW W-26.7-IW O-27.8-IW	44/16
TBD	TBD	24 Hrs, 7 Days	Columbia River, Brookfield (RM 31+45 to 32+20)	M/V Essayons	None	VHF-FM 13 & 16	W-31.1-FL	44/16
3-Nov-16	5-Nov-16	24 Hrs, 7 Days	Columbia River, Stella & Fisher (RM 56+30 to 59+22)	M/V Essayons	None	VHF-FM 13 & 16	O-56.9-IW	44/16
2-Nov-16	5-Nov-16	24 Hrs, 7 Days	Columbia River, Upper & Lower Dobelbower (RM 69+25 to 72+10)	M/V Yaquina	None	VHF-FM 13 & 16	O-71.8-IW W-69.4-IW	44/16
5-Nov-16	7-Nov-16	25 Hrs, 7 Days	Columbia River; Vancouver Bar & Turning Basin (RM 103+00 to 105+00)	M/V Yaquina	None	VHF-FM 13 & 16	W-101.4-SW	44/16
7-Nov-16	15-Jan-17	0700-1700 Mon-Fri	Cresent Bar, WA	Brenda Lee	None	VHF-FM 13&16	On Shore	44/16
1-Nov-16	28-Feb-17	0600-1800 7 Days	Columbia River; Port of Ilwaco Boat Basin	Port Dredge	None	VHF-FM 13, 16 & 69	On Shore	42/16
12-Sep-16	10-Nov-16	24 Hrs, 7 Days	Columbia River; Skipanon Channel (RM 00+20 to 01+25)	M/V Heidi Renee	M/V Norton Bay, M/V Sand	VHF-FM 13 & 16	W-10.5-IW O-9.5-IW	36/16
10-Oct-16	15-Feb-17	24 Hrs, 7 Days	Port of Tacoma; Blair Waterway Pier 4	M/V DB Njord	M/V Peter M M/V Wahoo	VHF-FM 13, 16 & 67	DMMP OWDS	37/16
17-Oct-16	31-Jan-17	24 Hrs, 7 Days	Port Gamble Bay, WA	M/V DB Rainier	M/V Redwood City	VHF-FM 13 & 16	On Shore	40/16
29-Oct-16	14-Feb-17	24 Hrs, 7	Snohomish River; RM 1.7 to 2.27	M/V	M/V Buccaneer	VHF-FM 13,	Jetty Island	41/16

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

The US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in

MARINE EVENTS

Enclosure (3)

SECTOR COLUMBIA RIVER MARINE EVENTS			
6-Nov-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
11-Nov-16	1800-1830	Veterans Day Celebration	Columbia River; The Dalles, OR
13-Nov-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
13-Nov-16	1900-1930	Celebration of Life for Donald W. Gardner	Willamette River between Steel and Burnside Bridges
20-Nov-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges

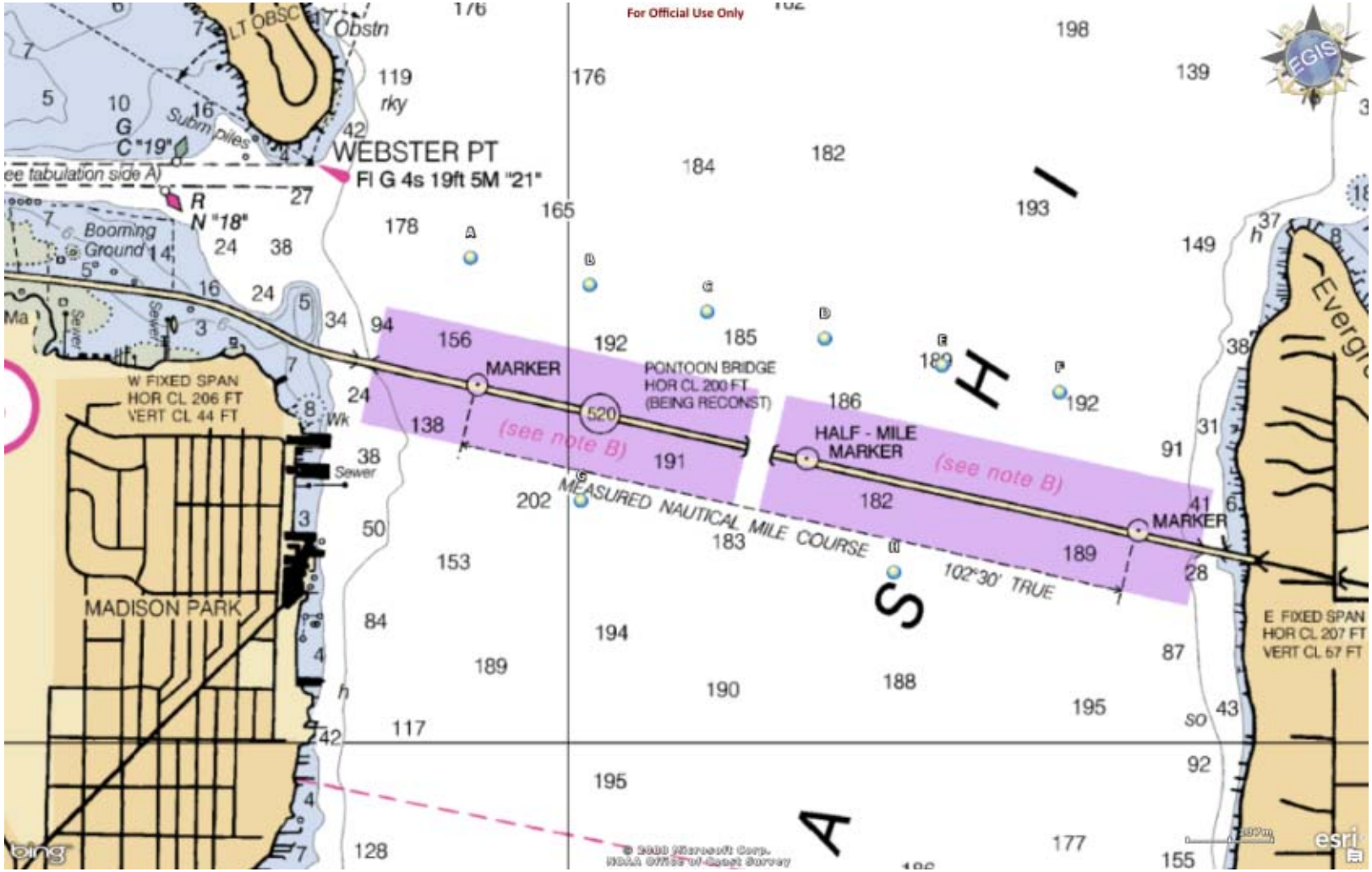
SECTOR PUGET SOUND MARINE EVENTS			
EVENT DATE	**TIME**	**EVENT NAME**	**EVENT LOCATION**
5-Nov-16	0830-1800	Round The County	San Juan Islands
6-Nov-16	0630-1300	Head Of The Lake	Lake Union-Union Bay
6-Nov-16	0830-1800	Round The County	San Juan Islands
12-Nov-16	1000-1600	SBYC Snowbird	Shilshole to blakely rock
19-Nov-16	0900-1700	Turkey Bowl	Shilshole bay
20-Nov-16	0900-1700	Turkey Bowl	Shilshole bay

As of: 11/1/2016

CHARTLETS ARE NOT FOR USE IN NAVIGATION

Enclosure (4)

SR520 construction mooring buoys as of 06Jul16



Washington State Department of Transportation

SR 520 Bridge Replacement and HOV Program

I-5 to Medina: Bridge Replacement and HOV Project

STATE ROUTE 520

Navigation changes on Lake Washington at SR 520

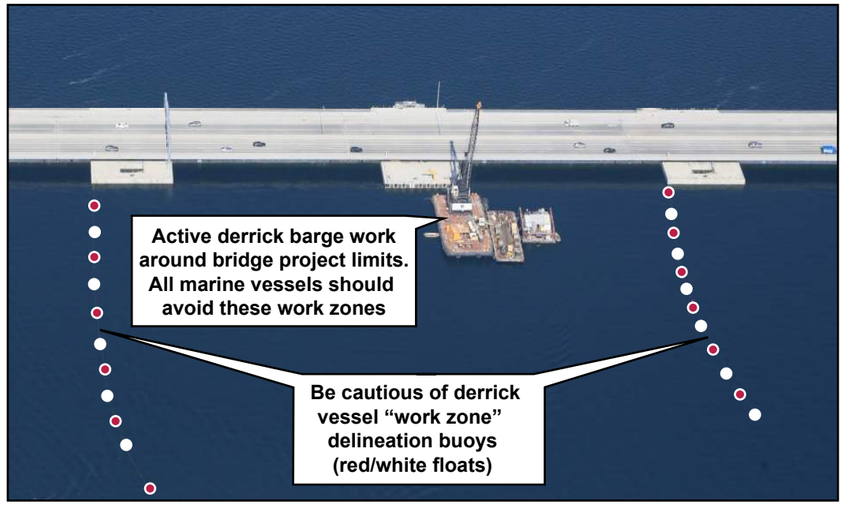
October 2016

UPDATE: East navigation channel is fully obstructed

A West navigation channel

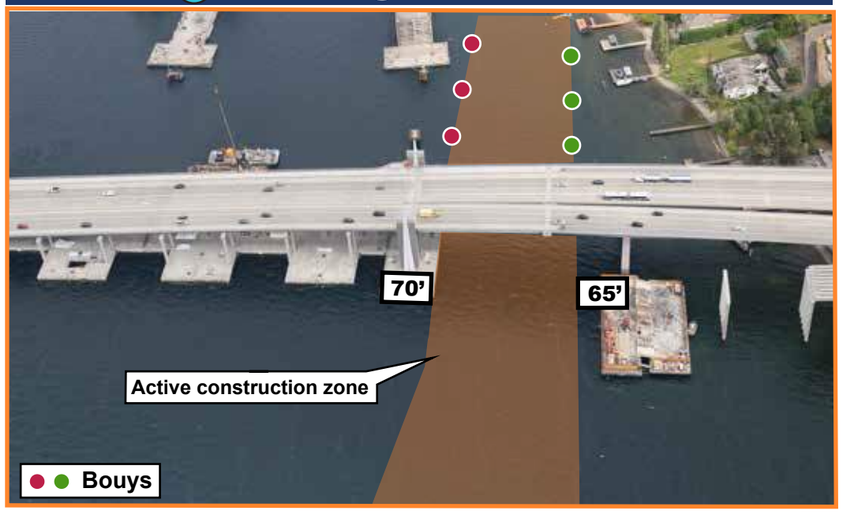
The west navigation channel is open to boats with a navigational height of 44 feet or less.

B Floating bridge

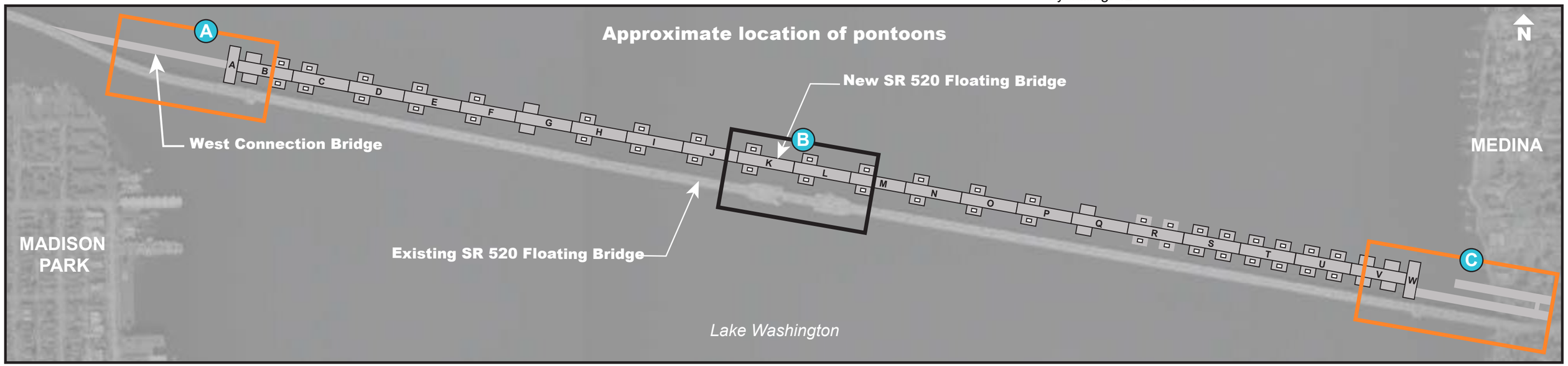


Avoid work zones north and south of the floating bridge as indicated by red and white buoys.

C East navigation channel



The east navigation channel is fully obstructed. Vessels with a navigational height greater than 44 feet can request to have the obstruction moved by calling: 425-749-6675.



For more information, visit: **www.wsdot.wa.gov/projects/SR520bridge/bridgeandlandings/drawspaninfo**

Enclosure 4

Washington State Department of Transportation

SEPTEMBER 2016

SR 520 BRIDGE REPLACEMENT AND HOV PROGRAM

STATE ROUTE 520

Upcoming decommissioning activities

NEAR FLOATING BRIDGE NAVIGATION CHANNELS

The following are upcoming decommissioning activities that boaters should be aware of. Please note that for both above water and below water work, boaters will see barges and equipment around the piers and will need to stay clear of the work zone. Due to the dynamic nature of construction, these dates may change and we will continue to update boaters through our website and boater email updates regarding navigation channel closures.

East navigation channel

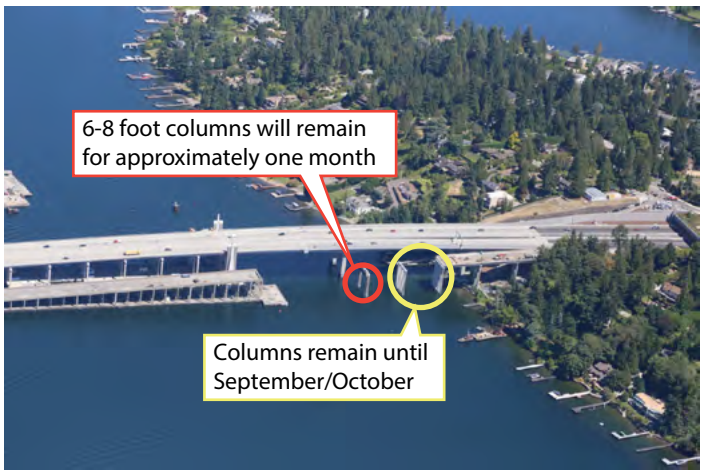
Beginning in early August, crews began removing the columns and crossbeam for old Pier 41 (shown in yellow below), near Medina.

In mid-August, boaters using the east navigation channel saw much shorter, 6 to 8-foot-tall columns in this location (shown in red below). These shorter columns are scheduled to remain in this location until mid-September, while crews move to the west side, near Madison Park, to complete similar decommissioning activities.

West navigation channel

Decommissioning of old Pier 40 (shown in green below), near Madison Park, began at the end of August and is expected to take up to three weeks to complete. When crews are done with this work, the columns will be completely removed from the lake.

Crews continue to remove roadway deck and girders on both sides of the lake. The hollow (round) columns (shown in yellow below) and crossbeams on both the east and west sides of the old bridge, will remain until this fall.



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