



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 12/16

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
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<http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=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	D13-0238-16	D13-0259-16

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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

OREGON – WASHINGTON- IDAHO - MONTANA – Proposed GPS testing (Revised from LNM 09/16)

US Strategic command has proposed GPS testing, encompassing an area of eastern Oregon, Washington and the majority of the states of Idaho and 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 40-18-39.9N 113-34-28.4W, with a radius of 345 NM. GPS testing would occur on GPS frequencies L1 and L2 on the following dates:

27 to 30 Apr 16, from 1400Z to 1730Z (0800 to 1130 MST) and 1830Z to 2200Z (1230 to 1600 MST)
01 to 20 May 16, from 1400Z to 1730Z (0800 to 1130 MST) and 1830Z to 2200Z (1230 to 1600 MST)

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: 12/16

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 44-36-31.08N 124-05-08.34W and 44-36-28.74N 124-05-06.18W. 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 – WILLAMETTE RIVER - PORT OF PORTLAND - Debris removal and sand placement (revised from LNM 07/16)

HME Construction, Inc. is conducting debris removal and sand placement at Willamette River RM 13.1. Debris removal operations will begin approximately 27 Feb 16. Sand placement will begin approximately 29 Feb 16 and will continue until 08 Apr 16. These operations will be performed 10 hours per day, 7 days per week. Debris removal and sand placement operations will be conducted with the derrick Sea Horse. Diving operations will also be conducted from the Sea Horse in support of the operation. All required visual dive signals and navigation lights will be displayed as appropriate. The Sea Horse will operate on VHF-FM Ch. 69 and will monitor channels 13 and 16. For additional information contact Mr. Alan Park at (360) 518-1570 or Mr. Darrell Jamieson at (360) 772-4072.

Chart 18526

LNM: 12/16

WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - SINCLAIR INLET- Puget Sound Naval Shipyard Harbor Security Exercise

Puget Sound Naval Shipyard Harbor Security will be conducting several exercises in the vicinity of the Puget Sound Naval Shipyard waterfront, from 0700 to 1700 from 05 through 15 Apr 16. Using blank ammunition, there will be multiple shots fired from the opposing forces and Navy Security Boats. On 12 Apr 16, from 2000 to 2200 there will additional exercises with blank ammunition fire during low light and the hours of darkness. The surrounding community of the Sinclair Inlet should expect to hear multiple gun shots from the exercise during the specified time frames. There will be an additional safety boat on scene monitoring radar for vessel traffic in the area. 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. The boundaries of the operations area are:

NW Point - 47-33-06N 122-39-25W SW Point - 47-32-29N 122-39-32W NE Point - 47-33-31N 122-37-44W SE Point - 47-32-54N 122-37-44W

Mariners are requested to use caution, reduce speed and keep a safe distance from the exercise. For additional information, contact ENS Michael Hodosky at (360) 340-4023 (Cell), or MAC Michael Reyes (SW/AW/EXW) at (210) 952-0410 (Cell).

Chart 18452

LNM: 12/16

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – SR-520 Special Bridge Notice – Critical Navigation Notice – Part A (Revised from LNM 09/16)

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 30 Apr 16.

From 0000 to 2400 on 27 Mar 16 through 30 Apr 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 14 Mar 16 through 2400 on 27 March 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: 12/16

WASHINGTON – LAKE WASHINGTON SHIP CANAL – LAKE WASHINGTON – SR-520 Special Bridge Notice – Critical Navigation Notice – Part B (Revised from LNM 09/16)

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 its final location as depicted in enclosure (5) of LNM 12/16. The vertical clearance for the new channel is 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 (925) 864-4127 or email Ben.Nelson@Kiewit.com.

Chart 18447

LNM: 12/16

OREGON – PORT OF PORTLAND – WILLAMETTE RIVER – Public notice for the Broadway Bridge

The U. S. Coast Guard has issued a deviation to the operating schedule that governs the Broadway Bridge (LLNR 14955.2) across the Willamette River at RM 11.7. This deviation allows the draw span of the Broadway Bridge across the Willamette River to remain in the closed position and need not open for maritime traffic from 0500 until 1030 on 17 Apr 16. The Broadway Bridge provides 90 feet of vertical clearance above Columbia River Datum 0.0 while in the closed position. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times. For more information, contact Ms. Barbara Blanchard at Barbara.c.blanchard@multco.us.

Chart 18526

LNM: 10/16

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 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

OREGON - SIUSLAW RIVER - Bridge Notice

Repairs are being conducted on the US 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 up to 10 feet. Signs have been installed to warn mariners of the reduced clearance. Scaffolding will be installed as work progresses from north to south. The US 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 crews may be contacted using VHF-FM Channel 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.

Chart 18583

LNM: 09/16

COLUMBIA RIVER - BONNEVILLE TO THE DALLES - Hood River Highway Bridge notice (Revised from LNM 48/15)

The Hood River Bridge (LLNR 11933), at Columbia River mile 169.8, continues to be unable to open for marine traffic due to emergent mechanical repairs. The bridge provides 68 feet of vertical clearance in the closed position. The bridge draw is scheduled to be tested for an opening in April 2016. 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: 09/15

SNAKE RIVER - LAKE SACAJAWEA - BURBANK - Bridge inspection notice

Washington State Department of Transportation will be inspecting the SR-12 bridges, east (LLNR 13113) and west (LLNR 13113.5), that span the Snake River, RM 2.2, at Burbank, WA. The inspection will take place between 0800 and 1600, 04 through 08 Apr 16. The bridges will be inspected using an under-bridge inspection truck (UBIT) that occupies a portion of the roadway. The UBIT will give way to all mariners and any vessel may transit under the bridge at any time. The vertical clearance of the bridges will be reduced from 61 feet to 50 feet while the UBIT is deployed. Marine vessels may contact UBIT crew via VHF-Fm Ch. 16. For additional information, call Mr. Richard Dahl at (360) 570-2549 or email SharpD@wsdot.wa.gov.

Chart 18545

LNM: 09/16

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

The U.S. Coast Guard Navigation Center has off-air time for the Robinson Point, WA DGPS site to conduct equipment maintenance from 1000 to 1200 on 28 Mar 16 with an alternate time of 1000 to 1200 on 29 Mar 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¤tOutages>.

LNM: 09/16

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

The U.S. Coast Guard Navigation Center has approved off-air time for the Whidbey Island, WA DGPS site for scheduled maintenance from 1000 to 1400 on 17 May 16, with an alternate time of 1000 to 1400 on 18 May 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¤tOutages>.

Charts: 18421 18440 18465

LNM: 09/16

SNAKE RIVER – 2016 Annual Lock Closures for Maintenance

The annual navigation lock maintenance closures are scheduled during March 2016. The Locks and Dams have scheduled routine inspections and maintenance, as well as some non-routine work. The non-routine work includes gate structural repairs and machinery replacement.

Snake River navigation lock maintenance closures are:

Project	Closes	Reopens
McNary (RM 292)	0600, 05 Mar 16	2359, 26 Mar 16
Ice Harbor (RM 9.7)	0600, 05 Mar 16	2359, 26 Mar 16
Lower Monumental (RM 41.6)	0600, 05 Mar 16	2359, 26 Mar 16
Little Goose (RM 70.3)	0600, 05 Mar 16	2359, 26 Mar 16
Lower Granite (RM 107.3)	0600, 05 Mar 16	2359, 26 Mar 16

For additional scheduled outage information for the Walla Walla District, visit the web site: <http://www.nww.usace.army.mil/>.

LNM: 08/16

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
765.2	DART Tsunami Warning Lighted Buoy 46407	ADRIFT	18007	0191-16	09/16	
9501	Siuslaw River Channel Buoy 11	OFF STA	18583	0244-16	12/16	
9605	Yaquina Bay South Jetty Light 4	STRUCT DEST	18581	1075-15	50/15	
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	18531	0905-10	37/10	
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	
14985	Stevens Point Buoy 4	OFF STA	18528	1071-15	50/15	
15010	Elk Rock Buoy 12	OFF STA	18528	0061-16	04/16	
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	18502	0746-15	35/15	
16223	Race Rocks East Cautionary Lighted Buoy VG	OFF STA	18465	0116-16	06/16	
17090	Browns Point Light	REDUCED INT	18453	0870-15	41/15	
18820	Swinomish Channel South Entrance Range Front Light	DAYMK MISSING	18427	0144-16	07/16	
19725	Mosquito Pass Daybeacon 2	MISSING/STRUCT DEST	18433	0045-16	03/16	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
595	Cape Blanco Light	RELIGHTED	18589	0240-16	11/16	12/16
630	Siuslaw River Approach Lighted Whistle Buoy S	RELIGHTED	18583	0245-16	08/16	12/16
8860	Empire Range A Rear Light	REBUILT/REMAINS	18587	0247-16	11/16	12/16
9435	Siuslaw River Approach Lighted Whistle Buoy S	RELIGHTED	18583	0245-16	08/16	12/16
10020	Desdemona Lower Sands Lighted Gong Buoy 31	RELIGHTED	18521	None	12/16	12/16
10025	Tansy Point Range Front Light	REBUILT/REMAINS	18521	None	11/16	12/16
10035	Tansy Point Range Rear Light	REBUILT/REMAINS	18521	None	11/16	12/16
11680	Multnomah Falls Dike Light 82	RELIGHTED	18531	None	12/16	12/16
15571	Grays Harbor Entrance Lighted Whistle Buoy 8	RESET ON STATION	18502	0251-16	11/16	12/16

16805	West Point Lighted Buoy 1	WATCHING PROPERLY	18474	None	11/16	12/16
20505	Vancouver Approach Cautionary Lighted Buoy QA (C)	WATCHING PROPERLY		None	12/16	12/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
652	OSU Yaquina Research Lighted Buoy	ADRIFT	18561	0196-16	10/16	
718	Scripps Institute Wave Recorder Lighted Buoy 46211/036	MISSING	18502	0085-16	04/16	
727	OSU Grays Canyon Research Lighted Buoy	MISSING	18500	1039-15	50/15	
15533	Scripps Institute Wave Recorder Lighted Buoy 46211/036	MISSING	18502	0085-16	04/16	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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	
15595	Grays Harbor Channel Lighted Whistle Buoy 11	RELOCATED FOR DREDGING	18502	0218-16	11/16	
15655	Grays Harbor South Reach Lighted Gong Buoy 21	RELOCATED FOR DREDGING	18502	0219-16	11/16	
19725	Mosquito Pass Daybeacon 2	TRUB	18433	0045-16	04/16	

TEMPORARY CHANGES CORRECTED

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

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

SECTION IV - CHART CORRECTIONS

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

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only.

It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

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

18400	49th Ed.	01-APR-12	Last LNM: 11/16	NAD 83		12/16
<i>ChartTitle: Strait of Georgia and Strait of Juan de Fuca</i>						
Main Panel 1656 STRAIT OF GEORGIA AND STRAIT OF JUAN DE FUCA. Page/Side: N/A						
RELOCATE	Black Rock Light 9				CGD13 from 48-32-45.075N to 48-32-45.168N	122-45-56.680W 122-45-56.952W

18421	51st Ed.	01-MAY-13	Last LNM: 11/16	NAD 83		12/16
<i>ChartTitle: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor</i>						
CHART WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A						
RELOCATE	Black Rock Light 9				CGD13 from 48-32-45.075N to 48-32-45.168N	122-45-56.680W 122-45-56.952W
RELOCATE	Swinomish Channel South Entrance Range Front Light and Change height to 17 ft.				CGD13 from 48-21-32.126N to 48-21-32.952N	122-34-03.502W 122-33-57.672W
RELOCATE	Swinomish Channel South Entrance Range Rear Light and Change height to 55 ft.				CGD13 from 48-21-22.266N to 48-21-21.940N	122-34-49.172W 122-34-48.326W

18427	24th Ed.	01-MAY-13	Last LNM: 08/16	NAD 83		12/16
<i>ChartTitle: Anacortes to Skagit Bay</i>						
Main Panel 1680 ANACORTES TO SKAGIT BAY. Page/Side: N/A						
RELOCATE	Swinomish Channel South Entrance Range Front Light and Change height to 17 ft.				CGD13 from 48-21-32.126N to 48-21-32.952N	122-34-03.502W 122-33-57.672W
RELOCATE	Swinomish Channel South Entrance Range Rear Light and Change height to 55 ft.				CGD13 from 48-21-22.266N to 48-21-21.940N	122-34-49.172W 122-34-48.326W

18429	11th Ed.	01-MAY-14	Last LNM: 09/16	NAD 83		12/16
<i>ChartTitle: Rosario Strait-southern part</i>						
Main Panel 1682 ROSARIO STRAIT SOUTH PART. Page/Side: N/A						
RELOCATE	Black Rock Light 9				CGD13 from 48-32-45.075N to 48-32-45.168N	122-45-56.680W 122-45-56.952W

18430	9th Ed.	01-JUL-10	Last LNM: 11/16	NAD 83	12/16
<i>ChartTitle: Rosario Strait-northern part</i>					
Main Panel 1683 ROSARIO STRAIT NORTH PART. Page/Side: N/A					
RELOCATE	Black Rock Light 9			CGD13 from 48-32-45.075N to 48-32-45.168N	122-45-56.680W 122-45-56.952W
18446	18th Ed.	01-MAR-11	Last LNM: 09/16	NAD 83	12/16
<i>ChartTitle: Puget Sound-Apple Cove Point to Keyport;Agate Passage</i>					
CHART WA - PUGET SOUND - APPLE COVE POINT TO KEYPORT. Page/Side: N/A					
RELOCATE	Shilshole Bay Entrance Leading Light and Change height to 22 ft.			CGD13 from 47-39-59.594N to 47-39-59.668N	122-24-10.883W 122-24-10.737W
18447	30th Ed.	01-SEP-12	Last LNM: 09/16	NAD 83	12/16
<i>ChartTitle: Lake Washington Ship Canal and Lake Washington</i>					
CHART 3A - LAKE WASHINGTON SHIP CANAL AND LAKE WASHINGTON. Page/Side: N/A					
RELOCATE	Shilshole Bay Entrance Leading Light and Change height to 22 ft.			CGD13 from 47-39-59.594N to 47-39-59.668N	122-24-10.883W 122-24-10.737W
18453	27th Ed.	01-MAR-13	Last LNM: 44/15	NAD 83	12/16
<i>ChartTitle: Tacoma Harbor</i>					
Main Panel 1716 TACOMA HARBOR. Page/Side: N/A					
ADD	Hylebos Waterway Obstruction V-AIS 3 labeled OBSTN V-AIS 3 with magenta circle.			CGD13 at 47-16-28.453N	122-22-54.968W
18471	11th Ed.	01-DEC-07	Last LNM: 08/16	NAD 83	12/16
<i>ChartTitle: Approaches to Admiralty Inlet Dungeness to Oak Bay</i>					
Main Panel 1724 APPROACHES TO ADMIRALTY INLET - DUNGENESS TO OAK BAY. Page/Side: N/A					
ADD	Sequim Bay Entrance Light 2 characteristics; FI R 4s 15ft 4M "2" (NOS NW-25603)			NOS 48-05-03.739N	123-01-48.637W
18473	8th Ed.	01-SEP-05	Last LNM: 11/16	NAD 83	12/16
<i>ChartTitle: Puget Sound-Oak Bay to Shilshole Bay</i>					
Main Panel 1937 OAK BAY TO SHILSHOLE BAY PUGET SOUND. Page/Side: N/A					
RELOCATE	Shilshole Bay Entrance Leading Light and Change height to 22 ft.			CGD13 from 47-39-59.594N to 47-39-59.668N	122-24-10.883W 122-24-10.737W
18500	30th Ed.	01-MAY-08	Last LNM: 47/15	NAD 83	12/16
<i>ChartTitle: Columbia River to Destruction Island</i>					
Main Panel 1730 COLUMBIA RIVER TO DESTRUCTION ISLAND. Page/Side: N/A					
RELOCATE	Grays Harbor Entrance Lighted Whistle Buoy 8			CGD13 from 46-54-29.218N to 46-54-28.589N	124-11-01.065W 124-11-00.295W
18502	87th Ed.	01-SEP-11	Last LNM: 46/15	NAD 83	12/16
<i>ChartTitle: Grays Harbor;Westhaven Cove</i>					
CHART WA - GRAYS HARBOR. Page/Side: N/A					
RELOCATE	Grays Harbor Entrance Lighted Whistle Buoy 8			CGD13 from 46-54-29.218N to 46-54-28.589N	124-11-01.065W 124-11-00.295W
18531	23rd Ed.	01-JUN-12	Last LNM: 03/16	NAD 83	12/16
<i>ChartTitle: Columbia River Vancouver to Bonneville; Bonneville Dam</i>					
CHART OR & WA - COLUMBIA RIVER - VANCOUVER TO BONNEVILLE. Page/Side: N/A					
CHANGE	Multnomah Falls Dike Light 82 Nominal range to 4 M.			CGD13 at 45-34-54.678N	122-06-24.768W

ChartTitle: Lake Sacajawea

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

RELOCATE	Lake Sacajawea Light 47 and Change nominal range to 5 M.	CGD13 from 46-30-01.850N to 46-30-01.571N	118-37-14.120W 118-37-13.551W
RELOCATE	Lake Sacajawea Light 56 and Change nominal Range to 5 M.	CGD13 from 46-31-58.400N to 46-31-58.213N	118-33-59.580W 118-33-59.682W
CHANGE	Lake Sacajawea Light 35 Nominal range to 4 M.	CGD13 at 46-26-07.847N	118-38-38.723W

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

Advance Notice(s)

WASHINGTON - GRAYS HARBOR - Aberdeen Reach Range L disestablishment

The U.S. Coast Guard will be disestablishing Aberdeen Reach Range "L" Front Light (LLNR 15890) and Aberdeen Reach Range "L" Rear Light (LLNR 15895) during the spring of 2016. The structure for Aberdeen Reach Range "L" Rear has deteriorated, and is in danger of collapse. Aberdeen Rear Range "L" Front Light will be changed to Aberdeen Harbor Light 1A (LLNR 15889) displaying a green light flashing every 2.5 seconds (Fl G 2.5s) with a nominal range of 4 NM.

Chart 18502 LNM: 12/16

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SWINOMISH CHANNEL– Swinomish Channel South Entrance Range Front Light reduction in dayboard size

The U.S. Coast Guard will be reducing the dayboard size of Swinomish Channel South Entrance Range Front Light (LLNR 18820) from a 8KRW (8' wide by 16' tall red dayboard with a white vertical stripe) to a 6KRW (6' wide by 12' tall red dayboard with a white vertical stripe). Tidal and wave action has destroyed the current 8KRW dayboard, and the 6KRW will be installed as a temporary measure until its effectiveness can be determined. The U.S. Coast Guard is soliciting comments on this change, which may be submitted to email address d13-PF-LNM@uscg.mil or (206) 220-7276.

Chart 18427 LNM: 10/16

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

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

Proposed Change Notice(s)
None

SECTION VII - GENERAL

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

SUMMARY OF BRIDGE LIGHTING DISCREPANCIES AND CORRECTIONS

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

LNM: 12/16

SUMMARY OF DREDGING OPERATIONS

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

LNM: 12/16

SUMMARY OF MARINE EVENTS

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

LNM: 12/16

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

COLUMBIA RIVER – ASTORIA – Old Youngs Bay Bridge Construction

Bridge improvements on the Old Youngs Bay Bridge (LLNR 14582) in Astoria will be from 0700 on 15 Feb 16 through 2300 on 15 Jun 16. During construction, the double bascule span will operate in a single leaf mode only, and vessels need to contact the bridge operator at least three hours prior to an opening. Containment will be installed beneath the bridge that will reduce the vertical clearance from 19 feet to 14 feet at high tide. Vessels able to pass through the bridge in the closed positions may do so at anytime. The Old Youngs Bay Bridge can open for emergencies, however, the work crew will need at least a three hour notice from the bridge operator. In accordance with 33 CFR 117.35(e), the drawbridge must return to its regular operating schedule immediately at the end of the effective period of this temporary deviation.

Chart 18521

LNM: 05/16

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 LNM 01/16. 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.

Chart 18528

LNM: 50/15

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

WASHINGTON – LAKE WASHINGTON SHIP CANAL - HIRAM M. CHITTENDEN LOCKS – Small lock closure

The Hiram M. Chittenden small lock will be closed from 1200 on 14 Mar 16 to 1700 on 25 Mar 16 to conduct inspections. The only exceptions will be for emergency vessels. The large lock will remain operational during this time. For additional information contact lockmasters Mr. Larry Meyer or Mrs. Vickie Shepard at (206) 789-2622 ext. 230, or the Public Affairs Officer Mr. Bill Dowel, at (206) 764-3464.

Chart 18447

LNM: 08/16

WASHINGTON – LAKE WASHINGTON SHIP CANAL – Montlake Bridge Special Bridge Notice

The U.S. Coast Guard has issued a temporary deviation from the normal operating schedule that governs the Montlake Bridge (LLNR 18240) over the Lake Washington Ship Canal, mile 5.2, in Seattle, WA. The deviation period is from 0700 to 1800 on 02 Apr 16, and from 0630 to 1230 on 03 Apr 16. The deviation is necessary to accommodate the grand opening of the new Evergreen Point Floating Bridge bike ride by the Cascade Bicycle Club. The Montlake Bridge in the closed position provides 30 feet of vertical clearance throughout the navigation channel, and 46 feet of vertical clearance throughout the center 60 feet of the bridge; vertical clearance references to the Mean Water Level of Lake Washington. Vessels that do not require a bridge opening may continue to transit beneath this bridge during the closure. 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 additional information contact Ms. Barbara J. Rasaie at (425) 739-3700 or email rasaieB@wsdot.wa.gov.

Chart 18447

LNM: 08/16

WASHINGTON – EVERETT – SNOHOMISH RIVER – SR 529 Bridge Special Notice

The U. S. Coast Guard has approved a temporary bridge deviation from the operating schedule that governs the SR-529 bridge from 0730 until

WASHINGTON – EVERETT – SNOHOMISH RIVER – SR 529 Bridge Special Notice

1100 on 10 Apr 16. This deviation allows the swing span of the SR 529 Bridge (north and south bound) across the Snohomish River, mile 3.6, near Everett, WA, and the SR 529 Bridge (north and south bound) across Steamboat Slough, mile 1.1, near Marysville, WA, to remain in the closed position. This request supports the Everett Half Marathon event. Vessels able to pass through the bridge in the closed position may do so at any time. In accordance with 33 CFR 117.35(e), the drawbridges must return to its regular operating schedule immediately at the end of the effective period of this temporary deviation. For more info, contact Barbara J. Rasaie at rasaieb@wsdot.wa.gov.

Chart 18443

LNM: 07/16

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 or 911@ofcc.com.

Charts: 18003 18580 18600

LNM: 41/14

OREGON - CAPE BLANCO TO YAQUINA HEAD - Temporary TRIAXYS Research Buoy Deployment (Revised from LNM 20/15)

Oregon State University recovered the subsurface AWAC buoy previously set at approximate position 44-34.15.9N, 124-14-00.4W, 7 NM southwest of Yaquina Bay, OR. The TRIAXYS Research Lighted buoy and Southwest Corner Lighted Buoy C have been recovered. The following buoys remain on station:

- North Corner Lighted Buoy A, FI Y 2s at 44-34-17.950N, 124-14-00.490W
- Southeast Corner Lighted Buoy B, FI Y 2s at 44-34-08.540N, 124-13-54.330W

Mariners are advised to not transit between buoys A and B, as shown in enclosure (4) of LNM 02/16. This equipment is scheduled to be removed when a recovery platform becomes available and weather conditions permit. For more information contact Mr. Dan Hellin at (541) 737-5452 (dan.hellin@oregonstate.edu), or OSU Public Safety at (541) 737-3010, available 24 hours a day for emergencies.

Chart 18580

LNM: 02/16

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 at 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 (FI 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.

Charts: 18520 18580

LNM: 16/14

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

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 – PORT OF PORTLAND – Terminal 6 crane in lowered position

A container crane at the Port of Portland, OR Terminal 6 at river mile 102.5 will remain in the lowered position until approximately 07 Apr 16 for maintenance and new equipment installation. The crane will extend approximately 104 feet out over the river at a height of approximately 115 feet above Columbia River Datum and will be lighted at night. Mariners are advised to transit the area with caution. For additional information, contact Mr. Fred Myer at 503-415-6542 or email Fred.Myer@portofportland.com.

Chart 18526

LNM: 07/16

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 05/16)

A 20 foot by 20 foot section of dock has sunk in the Hoquiam River in approximate position 46-58.679N 123-52.950W causing a hazard to navigation. The hazard is marked by a white spherical buoy with a blue horizontal stripe that is lighted. 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: 07/16

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 – AREA TO BE AVOIDED - OLYMPIC COAST NATIONAL MARINE SANCTUARY - Temporary surface buoy deployment

NOAA has recovered most of its Olympic Coast National Marine Sanctuary scientific moorings and deployed one scientific mooring for the winter. The mooring is marked with a bright orange surface float. The mooring is located off Teahwhit Head at a depth of 42 meters at approximate position 47-52.560N 124-44.000W and will be in place until approximately June 2016. Two of the moorings previously set during the summer were not present on their assigned stations and are consider missing or adrift. Mariners are advised to use caution while transiting the area. For additional information contact LTJG Justin Ellis at voc.ocnms@noaa.gov or (360) 457-6622 x 14.

Charts: 18480 18500

LNM: 06/16

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 - 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 and unlighted yellow mooring buoys from the waters west of the Naval Base Kitsap Bangor waterfront but the anchor buoys remain on station. The anchor buoys are white with blue stripes. Their locations are as follows:

Anchor buoy #1 white with a blue stripe, at 47-44-16.40N, 122-45-42.558W

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

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

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: 08/16

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 – Annual summer refill

The USACE will begin the annual summer refill of Lake Washington on 18 Feb 16. The final refill target is 22.0 feet by 01 May 16 measured at the locks. Owners of vessels, docks, slips and other structures are advised to monitor the rise in lake elevations. For more information, review the Corp's web site at: <http://www.nwd-wc.usace.army.mil/nws/hh/www/index.html#>, or call (206) 764-3750.

Chart 18447

LNM: 08/16

WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SOUTHERN ROSARIO STRAIT – Subsurface buoy placement

The U.S. Navy will moor two 2' subsurface buoys 21 Mar 16 through 26 Mar 16. Operations will be conducted 0700 through 1800, and possibly 24 hrs a day, with the M/V Golden Dolphin, that will monitor VHF-FM Ch. 05A and 13. The buoys will be moored at approximate position 48-26.000N, 122-47-830W. The U.S. Navy requests that mariners maintain a 300 yard distance. For additional information contact Mr. Jim Kerins at 619-553-5834 or email jim.kerins@navy.mil.

Chart 18421

LNM: 07/16

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

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

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

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-

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

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

MONTANA – BILLINGS DGPS SITE – DGPS Off-Air time

The U.S. Coast Guard Navigation Center has approved off-air time for the Billings, MT, DGPS broadcast site to conduct maintenance from 0900 to 1100 Mountain Daylight Time (MDT) on 11 Apr 16, with an alternate time of 0900 to 1100 on 12 Apr 16. For additional information or objections, contact the USCG Navigation Center DGPS Operations at (703) 313-5902 or <http://www.navcen.uscg.gov/?pageName=dgpsSiteInfo¤tOutages>.

LNM: 07/16

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
8792	<i>Coos Bay Channel Lighted Buoy 6</i>	43-21-03.888N 124-19-52.081W	FI R 2.5s		4	Red.	12/16
11680	MULTNOMAH FALLS DIKE LIGHT 82	45-34-54.678N 122-06-24.768W	FI R 4s	18	4	TR on dolphin.	12/16
13385	LAKE SACAJAWEA LIGHT 35	46-26-07.847N 118-38-38.723W	FI G 2.5s	21	4	SG on tower.	12/16
13425	LAKE SACAJAWEA LIGHT 47	46-30-01.571N 118-37-13.551W	FI G 2.5s	18	5	SG on platform.	12/16
13470	LAKE SACAJAWEA LIGHT 56	46-31-58.213N 118-33-59.682W	FI R 4s	13	5	TR on platform.	12/16
15571	<i>Grays Harbor Entrance Lighted Whistle Buoy 8</i>	46-54-28.589N 124-11-00.295W	Q R		4	Red.	12/16
17208	Hylebos Waterway Obstruction V-AIS 3	47-16-28.453N 122-22-54.968W					AIS: MMSI 993692046 (21)
18115	SHILSHOLE BAY ENTRANCE LEADING LIGHT	47-39-59.668N 122-24-10.737W	Oc R 4s	22		NR on multi-pile structure.	Visible 1.5° each side of channel centerline.
18820	SWINOMISH CHANNEL SOUTH ENTRANCE RANGE FRONT LIGHT	48-21-32.952N 122-33-57.672W	Q W	17		KRW on multi-pile structure.	Visible all around; higher intensity on rangeline.

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
18825	SWINOMISH CHANNEL SOUTH ENTRANCE RANGE REAR LIGHT	48-21-21.940N 122-34-48.326W	Iso W 6s	55		KRW on skeleton tower, on multi-pile structure.	Visible 14° each side of rangeline.	12/16
	1,081 yards, 252.0° from front light.							
		*		*				
19455	BLACK ROCK LIGHT 9	48-32-45.168N 122-45-56.952W	Fl G 4s	10	4	SG on skeleton tower.		12/16
		*						

ENCLOSURES

Enclosure 1

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

LNM: 12/16

Enclosure 2

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Dredging Operations

LNM: 12/16

Enclosure 3

OREGON - WASHINGTON - COLUMBIA RIVER - Summary of Marine Events

LNM: 12/16

Enclosure 4

Yaquina Bay Entrance Shoaling Survey

Charts: 18561 18581

LNM: 12/16

Enclosure 5

Navigation changes on Lake Washington at SR-520

Chart 18447

LNM: 12/16

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 LIGHTING DISCREPANCIES AND CORRECTIONS

BRIDGE LIGHTING DISCREPANCIES						
Waterway	Light List #	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
None						
COLUMBIA RIVER						
Columbia River	11933	Hood River Bridge	Hood River, OR	Draw span damaged, unable to open ETR unknown	10/21/2015	0909-15
SNAKE RIVER						
None						
WILLAMETTE RIVER						
None						
WASHINGTON COAST						
None						
PUGET SOUND						
None						
IDAHO						
None						
<i>* Updated report</i>						
BRIDGE LIGHTING CORRECTIONS						
Waterway	Light List #	Bridge Name	Location	Status	Date Reported	BNM
OREGON COAST						
None						
COLUMBIA RIVER						
Pend Oreille Lake	20087	BNSF RR Bridge 32	Sandpoint, ID	Lights are watching properly	3/18/2016	No BNM
SNAKE RIVER						
None						
WILLAMETTE RIVER						
None						
WASHINGTON COAST						
None						
PUGET SOUND						
None						
IDAHO						
None						

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
26-Feb-16	31-Mar-16	0600-1800 Mon-Fri	Rogue River; Port of Gold Beach Marina and Boat Ramp	M/V Laura	None	VHF-FM 13 &16	N/A	11/16
22-Mar-16	28-Mar-16	24 Hrs, 7 Days	Columbia River; Lower Vancouver Bar (RM 103+00 to 103+40)	M/V Yaquina	None	VHF-FM 13 &16	RM 101 to 102	11/16
1-Apr-16	31-May-16	24 Hrs, 7 Days	Grays Harbor: Bar Channel, Entrance Channel & Pt. Chehalis Reach	M/V Bayport	M/V John M	VHF-FM 13,16 & 66	South Beach & Pt Chehalis	09/16
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.

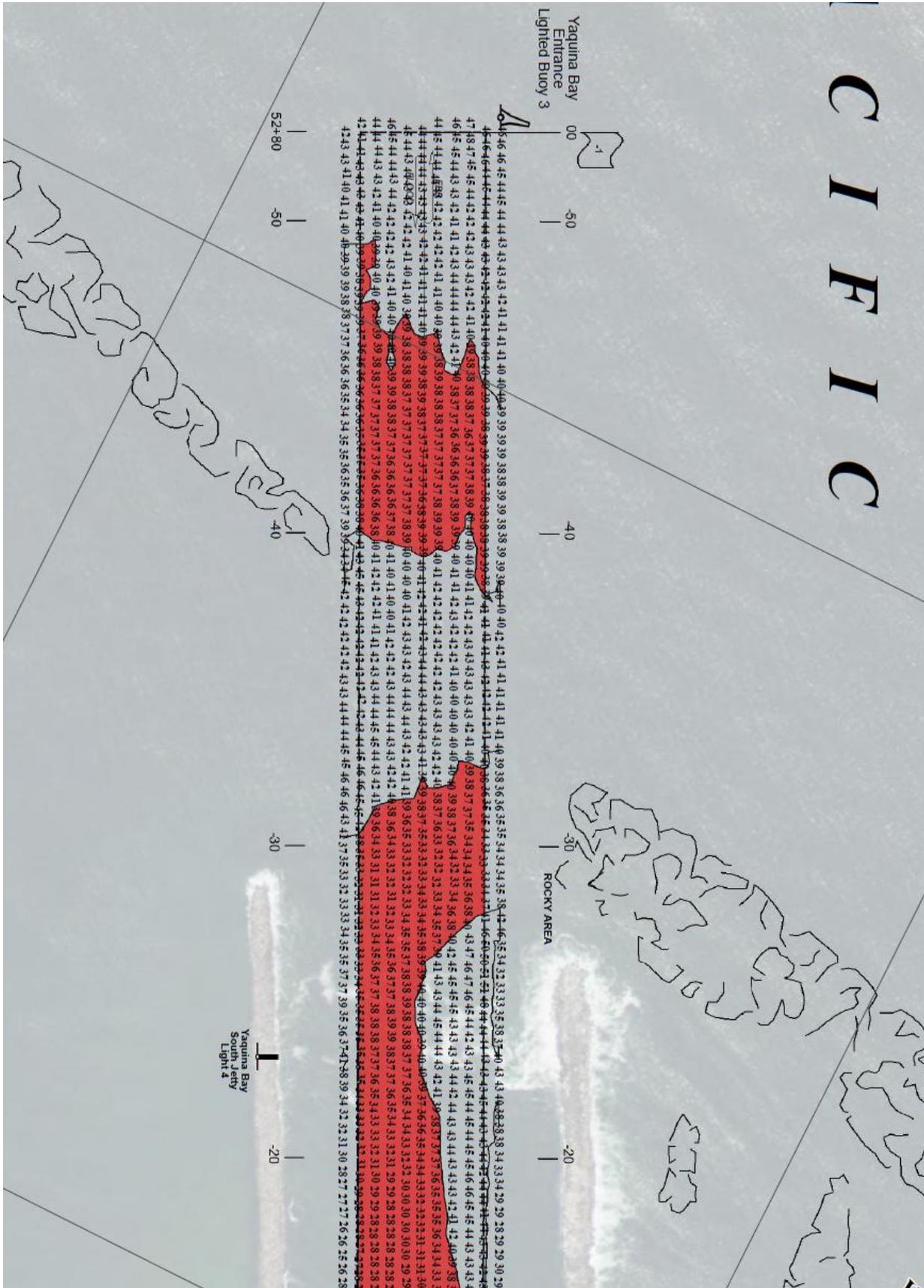
The US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made. Vessel (s) and/or equipment may encroach into the channel.

MARINE EVENTS

Enclosure (3)

SECTOR COLUMBIA RIVER MARINE EVENTS			
EVENT DATE	TIME	EVENT NAME	EVENT LOCATION
26-Mar-16	1200-1330	Awakening of the Dragon Eye Dotting Ceremony	Willamette River (Between Marquam and Hawthorne Bridges)
9-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
10-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
16-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
17-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
17-Apr-16	0800-1300	Annual Willamette SUP Cup	Willamette River; Lake Oswego
19-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
21-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
23-Apr-16	1000-1500	Rusty Iron, Canoe Race	Columbia River, Vancouver, WA
26-Apr-16	1300-Sunset	OCSA Sailboat Races	Columbia River between I-5 and I-205 bridges
28-Apr-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
26-Mar-16	0900-2100	Center Sound Series / Three Tree Point	Shilshoe Bay to East Passage
26-Mar-16	0800-2000	Tri Straits I - Smith Island Race	Guemes Channel to Smith Island
26-Mar-16	0800-2000	Tri Straits I - Smith Island Race	Guemes Channel to Smith Island
2-Apr-16	0945-1400	Sound Rowers Jetty Island Race	Everett Harbor
2-Apr-16	0900-1600	STYC Blakely Rock Benefit Race	Shilshole Bay
7-Apr-16	1825-2130	Spring Series	East Passage
9-Apr-16	1100-2400	Patos Island Classic Race	Haro strait/Boundary Pass
10-Apr-16	0000-1100	Patos Island Classic Race	Haro strait/Boundary Pass
13-Apr-16	1900-2100	Windseeker	Commencement Bay
14-Apr-16	1825-2130	Spring Series	East Passage
16-Apr-16	1000-1605	Spring Singlehand Doublehand	Commencement Bay
20-Apr-16	1900-2100	Windseeker	Commencement Bay
21-Apr-16	1700-2000	Sound Evening Series- Thursday Night	Shilshole Bay
23-Apr-16	1000-1700	Circumlocution of Bainbridge Island	Bainbridge Island
23-Apr-16	1025-1800	Spring Regatta	East Passage
23-Apr-16	0800-2000	Tri Straits II - Ed Knowles Hein Bank	Guemes Channel to Hein Bank
24-Apr-16	1000-1205	Dan Harris challenge	Bellingham Bay
24-Apr-16	1025-1800	Spring Regatta	East Passage
27-Apr-16	1900-2100	Windseeker	Commencement Bay
28-Apr-16	1700-2000	Sound Evenng Series- Thursday Night	Shilshole Bay
28-Apr-16	1825-2130	Spring Series	East Passage
30-Apr-16	1000-2000	Smith Island / Double Bluff Race	Admiralty Inlet
30-Apr-16	0700-1800	St Martins 11th Annual Dragon Boat Event	Budd Inlet

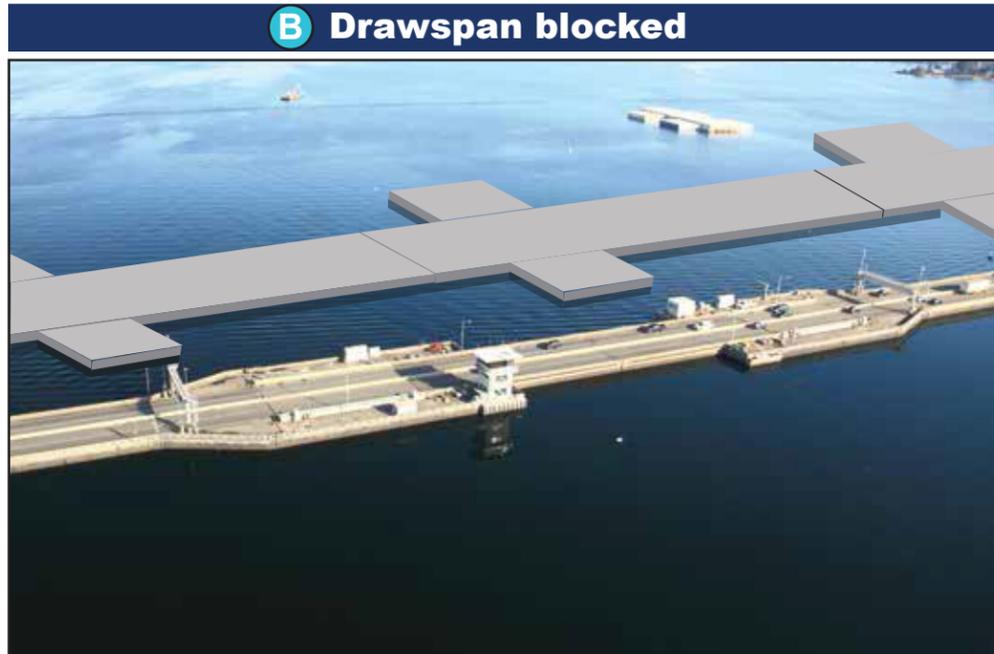
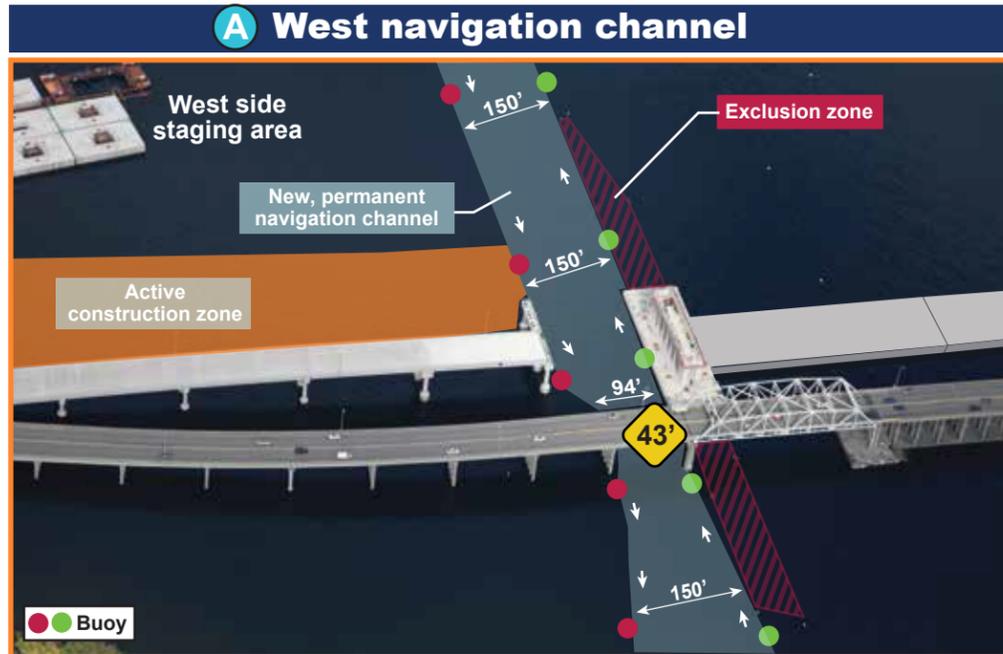
NOT TO BE USED FOR NAVIGATION



NOT TO BE USED FOR NAVIGATION

Navigation changes on Lake Washington at SR 520

UPDATE: West navigation channel shifted east to new, permanent location on Monday, March 28



On Monday, March 28, the west navigation channel will be shifted east to its new, permanent location.

Drawspan blocked as of Feb. 17, 2015.

East navigation channel remains open.

