



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

## LOCAL NOTICE TO MARINERS

**District: 13**

**Week: 47/12**

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)  
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COMDTPUB P16502.6, Light List Volume VI, 2012 Edition and Coast Pilot Volume 7.  
Coast Pilots, along with corrections, are available at: <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>.

### UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

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

<http://www.navcen.uscg.gov/?pageName=GPS>.

In addition, the NIS investigates all reports of degradation or loss of GPS or DGPS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: [webmaster@navcen.uscg.mil](mailto:webmaster@navcen.uscg.mil), or on the World Wide Web: <http://www.navcen.uscg.gov>.

### BROADCAST NOTICE TO MARINERS

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

Originating Unit	Beginning BNM	Ending BNM
CGD THIRTEEN	D13-1334-12	D13-1356-12

### 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  
F - Fixed

#### 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  
MSLD - Misleading  
N/C - Not Charted  
NGA - National Geospatial-Intelligence Agency  
NO/NUM - Number

#### 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  
s - seconds  
SEC - Section  
SHL - Shoaling  
si - silent  
SIG - Signal  
SND - Sound  
SPM - Single Point Mooring Buoy  
SS - Sound Signal  
STA - Station  
STRUCT - Structure  
St M - Statute Mile  
TEMP - Temporary Aid Change

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

NOS - National Ocean Service  
 NW - Notice Writer  
 OBSCU - Obscured  
 OBST - Obstruction  
 OBSTR - Obstruction  
 Oc - Occulting  
 ODAS - Anchored Oceanographic Data Buoy

TMK - Topmark  
 TRLB - Temporarily Replaced by Lighted Buoy  
 TRLT - Temporarily Replaced by Light  
 TRUB - Temporarily Replaced by Unlighted Buoy  
 USACE - Army Corps of Engineers  
 W - White  
 Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

AtoN - Aids to Navigation      LLNR - Light List Number      RM - River Mile Marker      IVO - In Vicinity Of      NM - Nautical Miles  
 WSDOT - Washington Department of Transportation      NUWC - Naval Undersea Warfare Center      CPA - Closest Point of Approach

**SECTION I - SPECIAL NOTICES**

This section contains information of special concern to the Mariner.

**WASHINGTON – WHIDBEY ISLAND – Proposed DGPS Off-Air Time**

The USCG NAVCEN is proposing an off-air time at the Whidbey Island, WA, DGPS (888) broadcast site for a tower inspection from 0800 to 1600 on 18 Dec 12, with an alternate time from 0800 to 1600 on 19 Dec 12. Mariners may experience some loss of coverage during these times. For additional information or objections, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 47/12

**WASHINGTON – ELLIOTT BAY – DUWAMISH RIVER – Temporary Deployment of Scientific Instruments**

The University of Washington will be placing five temporary scientific seafloor instruments in the Duwamish River, shown in enclosure 5, between 26 Nov 12 and 10 Dec 12. These instruments will be deployed inside the channel, but not mid channel for allision avoidance, and extend approximately two feet above the river bottom. A weighted recovery line will be marked with a surface float well outside of the main channel. For more information contact Ms. Margaret McKeon at: (978) 314-9133, or by e-mail at: mckeon@uw.edu.

Chart 18450

LNM: 47/12

**MONTANA – BILLINGS DGPS SITE – Proposed DGPS Off-Air Time**

The USCG NAVCEN is proposing an off-air time at the Billings, MT, DGPS (874) broadcast site for a tower inspection/maintenance from 0800 to 1600 MST on 04 Dec 12, with an alternate date of 0800 to 1600 MST on 05 Dec 12. Mariners may experience a loss of coverage during these times. For additional information or objections, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 46/12

**WASHINGTON – IDAHO – SPOKANE DGPS SITE – Proposed DGPS Off-Air Time**

The USCG NAVCEN is proposing an off air date for the Spokane, WA DGPS broadcast site (848) for tower maintenance from 0800 to 1600 PST on 10 Dec 12, with an alternate date of 0800 to 1600 PST on 11 Dec 12. A slight loss of coverage in some areas during this time may be experienced. For additional information or objections, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 46/12

**COLUMBIA RIVER – BONNEVILLE POOL – Shoaling Growth at the White Salmon River Entrance**

A bottom contour survey was completed on 15 Oct 12 by PacifiCorp Energy, and the survey results show shoaling continues to grow at the mouth of the White Salmon River, which is located on the Washington side of the Columbia River at RM 168.5. The survey also indicates that the shoaling is growing to the south toward the north side of the main channel. At the current position, White Salmon Shoal Lighted Buoy 33 (LLNR 11912) did mark the 30 foot curve, and the most southern edge of the shoal. The new shoaling data suggest that White Salmon Shoal Lighted Buoy 33 may not mark best navigable water depth of 17 feet, and plans are being made to relocate the buoy, by PacifiCorp Energy, to mark the 20 foot curve in the near future. Mariners are advised to use caution when transiting the area of the shoal and report any problems to Coast Guard Marine Safety Unit Portland, Waterways Management Branch at (503) 240-9319 or "MSUPortlandWWMDH@uscg.mil".

Chart 18532

LNM: 45/12

**COLUMBIA RIVER – CATHLAMET BAY SOUTH CHANNEL – Temporary Buoy Established**

A temporary quick flashing red (Q R) lighted buoy has been established in approximate position 46-12-47.143N, 123-45-22.308W. This buoy is a temporary replacement for Cathlamet Bay South Channel Light 2 (LLNR 14720) that was previously listed destroyed in LNM 44/12.

Chart 18521

LNM: 45/12

**COLUMBIA RIVER – GOVERNMENT ISLAND – Temporary Buoy Established**

A temporary unlighted red nun buoy has been established upriver from McGuire Island Middle Dike Light (LLNR 11475) in approximate position 45-33-57.890N, 122-27-06.628W. This temporary buoy will be used during the repairs to McGuire Island Light.

Chart 18531

LNM: 45/12

**WASHINGTON – TACOMA HARBOR – Murray Morgan Bridge Notice**

The USCG has issued a temporary deviation from the operating schedule that governs the Murray Morgan Bridge, also known as the South 11th Street Bridge, across the Thea Foss Waterway, mile 0.6, previously known as City Waterway, at Tacoma, WA. This deviation is necessary to perform extensive maintenance and repair work on the bridge as part of a major bridge rehabilitation project. This deviation allows the lift span to remain in the closed (down) position from 0800 local time on 10 Nov 12 through 2000 local time on 21 Dec 12; except as otherwise outlined in this announcement. During this deviation period the bridge will be placed in the open position from 0800 local time on 22 Nov 12 through 2000 local time on 25 Nov 12, and from 0800 local time on 08 Dec 12 through 2000 local time on 09 Dec 12.

Chart 18453

LNM: 44/12

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

Two subsurface oceanographic mooring buoys extending 10 meters above the ocean floor have been temporarily set at positions 48-30-28.38N / 124-45-01.68W, and 48-21-37.38N / 124-12-48.12W. The mooring buoys will remain in place until May 2013.

Charts: 18400 18460 18480

LNM: 44/12

**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)**

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No.</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
665	Cape Kiwanda Bell Buoy CK	SS IMCH	18520	1300-12	45/12	
765.2	DART Tsunami Warning Lighted Buoy 46407	ADRIFT	18007	0512-12	18/12	
765.4	DART Tsunami Warning Lighted Buoy 46404	MISSING	18007	0179-12	06/12	
765.7	DART Tsunami Warning Lighted Buoy 46419	MISSING	18007	0927-10	39/10	
<b>8805</b>	<b>Coos Bay Inside Range B Front Light</b>	<b>REDUCED INT</b>	<b>18587</b>	<b>1342-12</b>	<b>47/12</b>	
10415	Bugby Hole Light 46	STRUCT DEST	18523	1156-11	25/11	
10480	Pancake Point Dike Light 59	STRUCT DEST	18523	0609-11	25/11	
10530	Cathlamet Channel Daybeacon 2	LT EXT/DAYMK MISSING	18523	1235-12	44/12	
<b>10880</b>	<b>Cottonwood Island Upper Range Rear Light</b>	<b>LT EXT</b>	<b>18524</b>	<b>1351-12</b>	<b>47/12</b>	
10955	Bybee Ledge Channel Range Rear Light	REDUCED INT	18524	1326-12	46/12	
10980	Martin Island Middle Dike Light 65	STRUCT DMGD	18524	1076-11	45/11	
<b>11165</b>	<b>Willow Dike Light 26</b>	<b>LT EXT</b>	<b>18525</b>	<b>1350-12</b>	<b>47/12</b>	
<b>11465</b>	<b>Government Island Range Front Light</b>	<b>LT EXT</b>	<b>18531</b>	<b>1353-12</b>	<b>47/12</b>	
11625	Candiana Light 69	LT IMCH	18531	0571-11	23/11	
11770	Bonneville Pool Light 4	STRUCT DEST/LT EXT	18531	0905-10	37/10	
11855	Bonneville Pool Light 22	LT EXT	18532	0222-12	07/12	
14430	Baker Bay West Channel Daybeacon 6	DAYMK IMCH	18521	1168-12	43/12	
14435	Baker Bay West Channel Daybeacon 7	DAYMK DMGD	18521	1220-12	44/12	
14720	Cathlamet Bay South Channel Light 2	STRUCT DEST	18521	1234-12	44/12	
15585	Point Chehalis Range Front Light	DAYMK MISSING	18502	1012-09	50/09	
16225	Race Rocks Light (C)	SS IMCH	18465	1085-12	39/12	
16370	Rosario Strait Traffic Separation Lane Lighted Buoy RA	RAC INOP	18421	1311-12	46/12	
16975	Puget Sound Traffic Separation Lane Lighted Buoy TA	REDUCED INT	18474	1177-12	43/12	
<b>18005</b>	<b>Eagle Harbor Light 3</b>	<b>REDUCED INT</b>	<b>18449</b>	<b>1355-12</b>	<b>47/12</b>	
19855	Ewing Island Reef Danger Buoy	MISSING	18431	0585-12	21/12	
19965	Point Roberts Light	LT EXT	18421	1314-12	46/12	

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
740	Quillayute River Approach Lighted Whistle Buoy Q	RELIGHTED	18480	1344-12	45/12	47/12
10390	Puget Island Range Rear Light	RELIGHTED	18523	1336-12	46/12	47/12
10875	Cottonwood Island Upper Range Front Light	RELIGHTED	18524	1337-12	46/12	47/12
11475	Mcguire Island Middle Dike Light 34	REBUILT/REMAINS	18531	1343-12	27/12	47/12
13170	Snake River Lighted Buoy 8	RELIGHTED	18545	1335-12	46/12	47/12
14978	Toe Island Light 1	REBUILT/REMAINS	18528	1346-12	22/12	47/12
16075	Quillayute River Approach Lighted Whistle Buoy Q	RELIGHTED	18480	1344-12	45/12	47/12
18700	Oak Harbor Lighted Buoy 8	RESET ON STATION	18428	1334-12	46/12	47/12
19395	Belle Rock Sector Light	RELIGHTED	18429	1347-12	46/12	47/12

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
12390	John Day Dam Lower Guidewall Light 4	LT EXT	18535	1218-12	44/12	
18758	Mariners Cove Warning Light A	LT EXT	18423	1186-12	43/12	
19195	Vendovi Cove Light	LT EXT	18424	1147-12	41/12	

**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
586	Port Orford Jetty Light 3	DISCONTINUED	18589	1129-07	22/08	
635	Heceta Head Lighthouse	DISCONTINUED	18580	0049-12	03/12	
10415	Bugby Hole Light 46	TRLB	18523	1216-12	44/12	
10480	Pancake Point Dike Light 59	TRLT	18523	No BNM	21/12	
11770	Bonneville Pool Light 4	TRLB	18531	0909-10	38/10	
14720	Cathlamet Bay South Channel Light 2	TRLB	18521	1318-12	45/12	
19855	Ewing Island Reef Danger Buoy	TRUB	18431	0650-12	23/12	

**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
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.

18400	49th Ed.	01-APR-12	Last LNM: 46/12	NAD 83	47/12
Chart Title: Strait of Georgia and Strait of Juan de Fuca					
Main Panel 1656 STRAIT OF GEORGIA AND STRAIT OF JUAN DE FUCA. Page/Side: N/A					
DELETE	Safety Zone E PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-17-24.200N	122-45-11.900W
DELETE	Safety Zone E PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-57.700N	122-44-09.300W
DELETE	Safety Zone E PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-18-43.100N	122-42-41.000W
ADD	Safety Zone F PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-21.400N	122-42-10.400W
ADD	Safety Zone F PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-59.900N	122-44-12.100W
ADD	Safety Zone F PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-17-24.200N	122-45-11.900W

18421	50th Ed.	01-APR-11	Last LNM: 46/12	NAD 83	47/12
Chart Title: Strait of Juan de Fuca to Strait of Georgia; Drayton Harbor					
Main Panel 1657 STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA. Page/Side: N/A					
DELETE	Safety Zone G PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-18-41.800N	122-42-43.900W
DELETE	Safety Zone G PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-59.900N	122-44-00.000W
DELETE	Safety Zone G PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-17-52.400N	122-45-01.700W
ADD	Safety Zone H PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-21.400N	122-42-10.400W
ADD	Safety Zone H PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-19-59.900N	122-44-12.100W
ADD	Safety Zone H PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)			NOS 48-17-52.400N	122-45-01.700W

ChartTitle: Bellingham to Everett Including San Juan Islands; Blaine

CHART WA - PUGET SOUND - BELLINGHAM TO EVERETT INCLUDING THE SAN JUAN ISLANDS. Page/Side: N/A

		CGD13	
ADD	Symbol for sunken wreck, not dangerous for surface navigation	48-03-45.900N	122-19-24.060W

Main Panel 1659 BELLINGHAM TO EVERETT INC SAN JAUN ISLANDS ROSARIO STRAIT. Page/Side: a

		NOS	
DELETE	Safety Zone I PT 1 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-18-42.100N	122-42-42.800W
		NOS	
DELETE	Safety Zone I PT 2 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-20-00.600N	122-44-12.600W
		NOS	
DELETE	Safety Zone I PT 3 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-25.700N	122-45-11.700W
		NOS	
DELETE	Safety Zone I PT 4 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-43.200N	122-43-38.400W
		NOS	
ADD	Safety Zone J PT 1 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-19-21.400N	122-42-10.400W
		NOS	
ADD	Safety Zone J PT 2 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-20-00.200N	122-44-11.800W
		NOS	
ADD	Safety Zone J PT 3 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-24.200N	122-45-11.900W
		NOS	
ADD	Safety Zone J PT 4 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-41.500N	122-43-39.500W

ChartTitle: Rosario Strait-southern part

Main Panel 1682 ROSARIO STRAIT SOUTHERN PART. Page/Side: N/A

		NOS	
DELETE	Restricted Area L PT 1 OF 3; Chart No. 1: N2.1 (NOS NW-22254)	48-18-53.800N	122-44-37.800W
		NOS	
DELETE	Restricted Area L PT 2 OF 3; Chart No. 1: N2.1 (NOS NW-22254)	48-20-00.100N	122-44-12.100W
		NOS	
DELETE	Restricted Area L PT 3 OF 3; Chart No. 1: N2.1 (NOS NW-22254)	48-18-53.800N	122-42-55.500W
		NOS	
ADD	Safety Zone K PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	48-18-53.800N	122-44-37.500W
		NOS	
ADD	Safety Zone K PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	48-20-00.000N	122-44-12.000W
		NOS	
ADD	Safety Zone K PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	48-19-20.800N	122-42-09.400W

ChartTitle: Puget Sound

Main Panel 1688 PUGET SOUND. Page/Side: N/A

		NOS	
DELETE	Safety Zone M PT 1 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-18-41.800N	122-42-43.900W
		NOS	
DELETE	Safety Zone M PT 2 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-19-58.800N	122-44-20.000W
		NOS	
DELETE	Safety Zone M PT 3 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-23.700N	122-45-11.900W
		NOS	
DELETE	Safety Zone N PT 4 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-17-40.800N	122-43-42.800W
		NOS	
ADD	Safety Zone N PT 1 OF 5; Chart No. 1: N1.2 (NOS NW-22254)	48-19-21.400N	122-42-10.400W
		NOS	
ADD	Safety Zone N PT 2 OF 5; Chart No. 1: N1.2 (NOS NW-22254)	48-19-59.300N	122-44-09.300W
		NOS	
ADD	Safety Zone N PT 3 OF 5; Chart No. 1: N1.2 (NOS NW-22254)	48-19-59.200N	122-44-12.400W
		NOS	
ADD	Safety Zone N PT 4 OF 5; Chart No. 1: N1.2 (NOS NW-22254)	48-17-24.200N	122-45-11.900W
		NOS	
ADD	Safety Zone N PT 5 OF 5; Chart No. 1: N1.2 (NOS NW-22254)	48-17-41.500N	122-43-39.500W
		CGD13	
ADD	Symbol for sunken wreck, not dangerous for surface navigation	48-03-45.900N	122-19-24.060W

ChartTitle: Puget Sound-northern part

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

		NOS	
DELETE	Safety Zone P PT 1 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	48-18-41.800N	122-42-43.900W

DELETE	Safety Zone P PT 2 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-19-59.900N	122-44-00.000W
DELETE	Safety Zone P PT 3 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-23.500N	122-45-14.800W
DELETE	Safety Zone P PT 4 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-42.000N	122-43-38.000W
ADD	Safety Zone O PT 1 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-19-21.400N	122-42-10.400W
ADD	Safety Zone O PT 2 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-19-59.900N	122-44-12.100W
ADD	Safety Zone O PT 3 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-24.200N	122-45-11.900W
ADD	Safety Zone O PT 4 OF 4; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-41.500N	122-43-39.500W
ADD	Symbol for sunken wreck, not dangerous for surface navigation	CGD13 48-03-45.900N	122-19-24.060W

**18443**      **17th Ed.**      **01-JAN-10**      **Last LNM: 18/12**      **NAD 83**      **47/12**

*ChartTitle: Approaches to Everett*

**Main Panel 1690 APPROACHES TO EVERETT. Page/Side: N/A**

ADD	Symbol for sunken wreck, not dangerous for surface navigation	CGD13 48-03-45.900N	122-19-24.060W
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**18465**      **39th Ed.**      **01-OCT-11**      **Last LNM: 43/12**      **NAD 83**      **47/12**

*ChartTitle: Strait of Juan de Fuca-eastern part*

**Main Panel 1723 STRAIT OF JUAN DE FUCA EASTERN PART. Page/Side: N/A**

DELETE	Safety Zone R PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-45.600N	122-45-05.200W
DELETE	Safety Zone R PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-23.100N	122-45-13.100W
DELETE	Safety Zone R PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-24.900N	122-45-05.200W
ADD	Safety Zone Q PT 1 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-42.300N	122-45-05.100W
ADD	Safety Zone Q PT 2 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-24.100N	122-45-12.100W
ADD	Safety Zone Q PT 3 OF 3; Chart No. 1: N1.2 (NOS NW-22254)	NOS 48-17-25.500N	122-45-05.100W

**18500**      **30th Ed.**      **01-MAY-08**      **Last LNM: 40/12**      **NAD 83**      **47/12**

*ChartTitle: Columbia River to Destruction Island*

**Main Panel 1730 COLUMBIA RIVER TO DESTRUCTION ISLAND. Page/Side: N/A**

RELOCATE	Columbia River Entrance Range Front Light and Change Height to 196 feet.	CGD13 from 46-16-33.241N to 46-16-33.248N	124-03-05.342W 124-03-05.324W
RELOCATE	Columbia River Entrance Range Rear Light and Change Height to 260 feet.	CGD13 from 46-16-46.329N to 46-16-46.355N	124-02-46.358W 124-02-46.316W

**18520**      **27th Ed.**      **01-MAY-09**      **Last LNM: 44/12**      **NAD 83**      **47/12**

*ChartTitle: Yaquina Head to Columbia River;Netarts Bay*

**CHART OR - YAQUINA HEAD TO COLUMBIA RIVER. Page/Side: N/A**

RELOCATE	Columbia River Entrance Range Front Light and Change Height to 196 feet.	CGD13 from 46-16-33.241N to 46-16-33.248N	124-03-05.342W 124-03-05.324W
RELOCATE	Columbia River Entrance Range Rear Light and Change Height to 260 feet.	CGD13 from 46-16-46.329N to 46-16-46.355N	124-02-46.358W 124-02-46.316W

**18521**      **74th Ed.**      **01-AUG-09**      **Last LNM: 43/12**      **NAD 83**      **47/12**

*ChartTitle: Columbia River Pacific Ocean to Harrington Point;Ilwaco Harbor*

**CHART OR - WA - COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT - ILWACO HARBOR. Page/Side: N/A**

RELOCATE	Columbia River Entrance Range Front Light and Change Height to 196 feet.	CGD13 from 46-16-33.241N to 46-16-33.248N	124-03-05.342W 124-03-05.324W
RELOCATE	Columbia River Entrance Range Rear Light	CGD13 from 46-16-46.329N	124-02-46.358W



**BRIDGE LIGHTING DISCREPANCIES**

Waterway	Bridge Name	Location	Status	Date reported	BNM
FDR Lake Columbia R.	Kettle Falls RR Bridge	Kettle Falls, WA	EXT	07/18/12	No BNM
Columbia River	Kettle Falls Hwy Bridge	Kettle Falls, WA	EXT	07/18/12	No BNM
Columbia River	Lady Island Bridge	Camas, WA	EXT	08/05/12	No BNM
Snake River	Lewiston-Clarkston Bridge	Lewiston, ID	EXT	08/08/12	0895-12
Columbia River	Old Youngs Bay Bridge	Astoria, OR	EXT	08/14/12	0919-12
Columbia River	Union Pacific RR Bridge	Kennewick, WA	EXT	08/20/12	0941-12
Puget Sound	Tacoma Narrows Bridge	Tacoma, WA	EXT	08/25/12	0969-12
Thea Foss Waterway	11th Street Bridge	Tacoma, WA	EXT	08/26/12	0971-12
Willamette River	Lake Oswego RR Bridge	Oswego, OR	EXT	09/04/12	No BNM
Snake River	Joso Bridge	Lyons Ferry, WA	Down River G LT EXT	09/04/12	No BNM
Snake River	Sargent Bridge	Starbuck, WA	R LTs EXT	09/04/12	No BNM
Snake River	Camas Prairie RR Bridge	Lewiston, ID	EXT	09/07/12	1023-12
Stillaguamish River	West Pass Bridge	Stanwood, WA	EXT	11/15/12	1348-12
Alsea Bay	Alsea Bay Bridge	Waldport, OR	G LT EXT	11/16/12	1349-12

LNM: 47/12

**BRIDGE LIGHTING DISCREPANCIES CONTINUED**

Waterway	Bridge Name	Location	Status	Date reported	BNM
Willamette River	St. Johns BNRR Bridge	Portland, OR	Center Span Wht LT EXT	09/22/12	1090-12
Puget Sound	Agate Pass Bridge	Suquamish, WA	SW Piling LT EXT	10/01/12	1129-12
Willamette River	Wilsonville Bridge (I-5)	Wilsonville, OR	Dwn River G Cntr LT EXT	10/23/12	No BNM
Willamette River	Wilsonville RR Bridge	Wilsonville, OR	Dwn River G Cntr LT EXT	10/23/12	No BNM

LNM: 47/12

**BRIDGE LIGHTING DISCREPANCIES CORRECTED**

The following bridge discrepancies have been corrected since the last Local Notice to Mariners:

Columbia River	Lewis and Clark Bridge	Longview, WA
Willamette River	Newberg Bridge	Newberg, OR

LNM: 47/12

**COLUMBIA RIVER – LONGVIEW - Lewis and Clark Bridge painting**

The WSDOT has commenced painting on the Lewis and Clark Bridge superstructure over the Columbia River at RM 66.0 at Longview, WA. Painting will take place through the winter of 2013. Platforms and cables may be in rigged seasonally, in one or more spans with work commencing on the center span. The vertical clearance will be reduced by five feet. For additional information, contact WSDOT at (360) 442-1369.

Chart 18524

LNM: 13/11

**Columbia River – Pasco to Richland – Special Bridge Notice**

WSDOT will be performing minor maintenance to the US 395 bridge, also known as the Pioneer Memorial Bridge or Blue Bridge, which crosses the Columbia River, RM 330, between Kennewick and Pasco Washington. The maintenance activity is scheduled from 27 Sept 12 through 4 Dec 12 during which time a portable work platform approximately 4-8 feet wide will be intermittently deployed up to 15 ft below the bottom of the bridge. Mariners are advised to use caution when transiting beneath the bridge during maintenance activities.

Chart 18543

LNM: 35/12

**OREGON – WILLAMETTE RIVER – Port of Portland temporary Lighted Buoys for construction**

Orange and white lighted buoys have been placed in the following positions for construction:

Willamette River, Tri-Met Bridge at RM 13.5: Orange and white buoys showing a flashing white six (6) second light (FI W 6s)  
 A) 45-30-19.900N, 122-40-08.200W      B) 45-30-23.400N, 122-40-02.900W      C) 45-29-25.200N, 122-40-00.000W  
 D) 45-30-14.800N, 122-39-55.400W      E) 45-30-10.900N, 122-40-01.500W.

Chart 18526

LNM: 11/12

**OREGON – WILLAMETTE RIVER – Sellwood Bridge construction**

The Sellwood Bridge at RM 16.6 on the Willamette River is under construction for replacement from Dec 2011 to Mar 2015. A no wake zone is in effect within five hundred feet (500') of the bridge. Mariners are advised to use caution and slow to no wake at idle speed. The marked navigable channel at the bridge has been relocated. Mariners are cautioned to observe the temporary navigation buoys and bridge navigation lighting and comply with the exclusion established by both the buoys and signage.

Chart 18526

LNM: 47/11

**WASHINGTON – LAKE WASHINGTON SHIP CANAL – Ballard Street Bascule Bridge Construction Activities**

Mariners are advised to operate with caution while transiting in the vicinity of the Ballard Bridge, Lake Washington Ship Canal, mile 1.1. There will be construction activities conducted from a work barge alongside the Ballard Bridge until 15 Jan 14. The construction barge will not be in the navigation channel, but instead on the north and south side of the channel. The construction is to seismic retrofit the bridge piers.

Chart 18447

LNM: 39/12

**WASHINGTON – LAKE WASHINGTON – SR520 BRIDGE: Special Bridge Notice (Revised from LNM 27/12)**

**WASHINGTON – LAKE WASHINGTON – SR520 BRIDGE: Special Bridge Notice (Revised from LNM 27/12)**

The Coast Guard has revised the draw span operating schedule for the SR 520 Evergreen Point Floating Bridge. The east side navigation channel is currently completely closed or partially blocked during construction activity associated with the replacement bridge. Construction activities will continue in and around the east navigation channel for the duration of the bridge replacement project until approximately 30 Aug 15. Enclosure 4 displays the locations of lighted mooring buoys for the bridge construction vessels. These buoys are white with white flashing lights every four seconds (Fl 4s).

Vessels which are impacted by the closure of the east channel that are not able to navigate through the west channel of the existing bridge may request an opening of the center draw span for passage. Boaters may request a draw span opening by calling WSDOT at (206) 440-4490. The draw of the Evergreen Point Floating Bridge between Seattle and Bellevue shall operate as follows (revised schedule):

- (a) The draw need not open from 0630 to 0959 and from 1500 to 1900 Monday through Friday, except Federal Holidays other than Columbus Day.
- (b) The draw need open only on the hour and half hour from 1000 to 1430 every day of the week, if at least 2 hour advance notice is given.
- (c) The draw will open on request at all other times if at least 2 hours advance notice is given.
- (d) Telephone requests for bridge opening may be directed as collect calls to the Highway Radio, or made by direct telephone communication through the Seattle Marine Operator, Station KOH, or through other marine wire or radiotelephone service.

Chart 18447

LNM: 43/12

**OREGON – REEDSPORT – Temporary Buoy**

A temporary lighted yellow buoy flashing yellow every 4 seconds (Fl Y 4s) has been set at approximate position 43-46-05.663N, 124-14-12.880W.

Chart 18580

LNM: 31/12

**OREGON – CAPE BLANCO TO YAQUINA HEAD – Heceta Head Lighthouse Restoration Project**

Heceta Head Lighthouse (LLNR 635) will be extinguished for approximately two years for the Heceta Head Lighthouse Restoration Project, that began on 01 Jan 12. The project will involve replacing the electrical system in the lighthouse. More information can be found at: [heceta.h.lighthouse@state.or.us](mailto:heceta.h.lighthouse@state.or.us).

Chart 18580

LNM: 03/12

**COLUMBIA RIVER – ASTORIA – Pier Construction**

Construction activities for replacement of the 17th Street Pier in Astoria, OR. will begin on 24 Sep 12, and continue through early spring 2013. The construction will be at approximately 46-11-24 N / 123-49-27 W. Mariners can expect crane barges, material barges, tug/push boats and work skiffs operating in this area. VHF-FM Channels 13, 16 and 17 will be monitored during work hours. For more information, contact Greg Morrill at (503) 325-7130, or email [gmorrill@bergerson-const.com](mailto:gmorrill@bergerson-const.com), or visit [www.bergerson-const.com](http://www.bergerson-const.com).

Chart 18521

LNM: 38/12

**COLUMBIA RIVER – CATHLAMET CHANNEL – Severe Shoaling**

During an Aids to Navigation verification, the USCG discovered increased shoaling inside the Cathlamet Channel IVO Buoy 5 (LLNR 10543). Depths up to two feet were observed around Buoy 5. Note the chart correction "Shoaling Rep 2001" IVO Buoy 5 on chart 18523. Depths shallower than charted were observed between Buoys 5 and 7. Mariners are urged to transit the area at high tide and use extreme caution.

Chart 18523

LNM: 36/11

**COLUMBIA RIVER – LONGVIEW – Millennium Bulk Terminals Construction**

Construction work and pile driving will be conducted at the Millennium Bulk Terminals in Longview, WA, at RM 63, until 16 Dec 12. Operations will be performed 12 hours per day, 5-7 days per week. The Tug Nova and derrick barges Sea Hawk and Sea Vulture will be on site. VHF-FM Ch 69 will be used as the working channel, and Ch 13 and 16 will be monitored. Mariners are requested to transit the area at a safe speed to reduce wake on the construction vessels. For more information, call (503) 519-7091.

Chart 18524

LNM: 40/12

**COLUMBIA RIVER – OREGON – BONNEVILLE – Dolphins Out of Service**

Effective immediately, the Portland District USACE announces that Mooring Dolphins #1 and #3 at RM 145 are out of service for both personal water craft and commercial river traffic tie offs. On Wednesday June 20th, USACE conducted an inspection of the 6 mooring dolphins located above Bonneville Project at Ft. Rains, and determined that Mooring Dolphins #1 and #3 are unsafe for use until further notice. For identification purposes, Dolphin #1 is the lower most pier in the set of 6, and does not have a sign numbering it. Dolphin #3 is the third in the sequence upstream and is marked with a sign denoting it as #3. For more information, contact Kevin Moynahan at (503) 808-4330, or [Kevin.moynahan@usace.army.mil](mailto:Kevin.moynahan@usace.army.mil).

Chart 18531

LNM: 26/12

**COLUMBIA RIVER – BONNEVILLE TO THE DALLES – BONNEVILLE POOL – Vessel Grounding (revised from LNM 31/11)**

The grounded barge previously reported anchored parallel to the Washington side of the Columbia River at RM 176.7, has sunk. Depths of 12 to 20 feet have been reported over the barge. A temporary green buoy labeled 'WK' with a quick green flashing (QG) light has been placed at approximate position 45-40-57.612N 121-15-23.880W to mark the wreck. Mariners should exercise caution when transiting the area.

Chart 18532

LNM: 41/11

**COLUMBIA AND SNAKE RIVERS - Winter Seasonal Lockage Schedule for Recreational Craft**

The USACE, Walla Walla and Portland Districts, are implementing the winter seasonal lockage schedule, which is effective from 16 Sep 12 to 14 May 13, for the passage of recreational craft through the navigation locks. Commercial vessels continue to have lockage precedence over

## **COLUMBIA AND SNAKE RIVERS - Winter Seasonal Lockage Schedule for Recreational Craft**

recreational vessels. Recreational vessels may be allowed to lock through with commercial vessels at the discretion of the lock operator. For the lockage schedule and additional information, visit Portland's website at: <http://www.nwp.usace.army.mil/Missions/Navigation.aspx>, and Walla Walla's at: <https://www.nww.usace.army.mil/Missions/Navigation.aspx>, or contact the Operations Division at (509) 527-7115 or (509) 527-7120.

LNM: 38/12

### **Snake River – Minimum Operating Pool Transition**

Low river flows are expected to continue through the remainder of the calendar year 2012 in these pools. Special pool operations to aid safe navigation past shoaling at the Ice Harbor Coffey Cells will remain in place when flows are at or below 45 kcfs. Water storage to assist with navigation safety will still be limited by several constraints, and it may take many hours (up to 24 hours) to provide the water needed for several special operations during a 24-hour period.

Continue to use the call-ahead procedure that is currently in place to notify Ice Harbor control room of your need for the special pool operation. Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

Charts: 18545 18546 18547 18548

LNM: 36/12

### **SNAKE RIVER – LAKE SACAJAWEA – Obstruction to Navigation Between RM 7 and 8 (Revised from LNM 08/10)**

A large rock shelf has been discovered on the north side of the navigation channel between RM 7 and 8 of the Snake River. This rock shelf is submerged and is extending into the navigable channel up to 15 feet in some areas, and lowered the depth of the navigation channel edge to 10 feet in some areas. Mariners are advised to use caution when transiting this area and avoid the northern edge of the navigation channel.

Chart 18545

LNM: 11/10

### **SNAKE RIVER – LAKE SACAJAWEA – Obstruction to Navigation at the Downstream Approach to the Ice Harbor Lock and Dam (revised from LNM 01/12)**

Please continue to use extreme caution when navigating through downstream of the approach to Ice Harbor navigation lock.

Shoaling has been discovered in the south edge of the navigation channel between RM 9 and the Ice Harbor Dam navigation cells, downstream of the dam spillway in the Snake River. This shoaling may be as much as 5 feet above the channel project depth of 12.8 feet. McNary pool is operating at 338.0 feet resulting in a tailwater at Ice Harbor navigation lock of approximately 339.0 feet. Mariners are advised to avoid the southern edge of the navigation channel.

A temporary operation to aid navigation during low flow conditions is currently in place. When possible, the Ice Harbor Operator will coordinate a temporary increase in the Ice Harbor tailwater elevation to improve conditions for tow/barges, subject to the following conditions:

- Traveling Downstream: Tow Captain to request an Ice Harbor temporary operation via the Lower Monumental Operator when leaving Lower Monumental, to allow a minimum of 2 hours lead time.
- Traveling Upstream: If aid is necessary for upstream navigation Tow Captain to call Ice Harbor control room not less than 30 minutes out, longer lead is better.
- Ice Harbor will attempt to provide the best possible conditions for navigation subject to all operating constraints and limitations.
- No increases allowed during night-time zero-generation hours 2000 to 0600.

The most current 2011 survey of the area in question is located on the Walla Walla District Navigation website. Please reference sheet 10 of 10 of the most recent hydrographic surveys located here:

[http://www.nww.usace.army.mil/html/OFFICES/OP/T/NAVDATA/2011AnnualConditionSurveys/For%20WEB%20FY11\\_HLD\\_CUT\\_v2.pdf](http://www.nww.usace.army.mil/html/OFFICES/OP/T/NAVDATA/2011AnnualConditionSurveys/For%20WEB%20FY11_HLD_CUT_v2.pdf).

Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

Chart 18545

LNM: 06/12

### **SNAKE RIVER – LAKE SACAJAWEA – ICE HARBOR DAM – Special Pool Operation**

A special pool operation to aid safe navigation at Ice Harbor Lock and Dam at RM 9.7 is in place for commercial vessels. See enclosure 3 for the USACE Walla Walla District's navigation notice.

Chart 18545

LNM: 30/12

### **SNAKE RIVER – LAKE SACAJAWEA – ICE HARBOR DAM – Navigation Advisory**

Please use extreme caution when navigating through the downstream lock approach at Ice Harbor Lock & Dam, located at RM 9.7. This is a new advisory and is not for the shoaling at the navigation coffer cells at the lower end of the lock guide wall.

In the downstream lock approach, the centerline of the navigation lock gate runs parallel to the south shore guide wall with a 50 foot separation between gate centerline and the guide wall. Approximately 200 feet down river from the lock gate, and 35 to 40 feet from the south shore guide wall toward the gate centerline, an accumulation of river sediment material has formed. The highest elevation of the accumulation is approximately 325 feet.

Vessel Captains are advised that because of seasonally low water, pool conditions will vary and it is advisable to contact the Ice Harbor Control room for current pool elevations. Additionally, if any problems are encountered contact the Ice Harbor Control room immediately.

**SNAKE RIVER – LAKE SACAJAWEA – ICE HARBOR DAM – Navigation Advisory**

Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

Charts: 18541 18545

LNM: 42/12

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SAN JUAN ISLANDS – SUCIA ISLAND – Temporary Buoy marking Ewing Reef**

The U.S. Coast Guard placed an unlighted red buoy southwest of Ewing Reef, near Sucia Island to temporarily replace the lost Ewing Island Reef Danger Buoy (LLNR 19855). The buoy is located in approximate position 48-45-35.094N 122-52-36.606W, which bears 202 degrees true, 40 feet from the Danger Buoy's charted location. Mariners should exercise extreme caution when transiting this area due to numerous rocks and shoals in the area.

Charts: 18421 18431

LNM: 23/12

**WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA – SWINOMISH CHANNEL – Reported shoaling (Revised from LNM 27/11)**

Numerous soundings of shoaling in the Swinomish Channel have been reported. The primary locations for the shoaling have been from the Swinomish Channel South Entrance, north to the vicinity of La Conner, WA, with the most extreme shoaling occurring between Swinomish Channel South Entrance Buoy 1 (LLNR 18785) and Goat Island. Some depths have been reported as two (2) feet less than the charted depths. Mariners are advised to use caution when transiting this waterway due to the reported shoaling.

Charts: 18421 18427

LNM: 39/11

**WASHINGTON – STRAIT OF JUAN DE FUCA TO PUGET SOUND – Bottomfish Resource Survey**

The Washington Department of Fish and Wildlife (WDFW) will be conducting a resource survey of bottomfish in Strait of Juan de Fuca, San Juan Islands, Georgia Strait, Hood Canal and Puget Sound waters from 01 Apr 12 through 30 Mar 13. The survey will consist of using a small remotely-operated vehicle (ROV) deployed from the R/V Molluscan. ROV operations last approximately 90 to 120 minutes at each site, 24 hours per day. While the ROV is deployed, the support vessel will be restricted in its ability to maneuverability, and will display the appropriate day shape and navigation lights. Some of the survey sites may enter into the vessel traffic lanes and naval operating areas. Due caution, clearance and avoidance will be rendered to commercial vessels and naval warships and security zones. R/V Molluscan will monitor VHF FM Channel 13, 16 and the appropriate VTS frequency. For additional information, contact WDFW at (425) 379-2314 or email Robert.pacunski@dfw.wa.gov.

Charts: 18400 18440

LNM: 13/12

**WASHINGTON – ADMIRALTY INLET – Temporary Research Buoy (Revised from LNM 18/12)**

A yellow temporary research lighted buoy 'A', with a yellow flashing every four seconds light (FL Y 4s), has been deployed east of Point Hudson in approximate position 48-07-24.900N/122-44-44.220W.

A yellow temporary research lighted buoy 'B', with a yellow flashing every four seconds light (FL Y 4s), has been deployed north of Fort Flagler in approximate position 48-06-16.080N/122-42-13.260W.

Charts: 18464 18471

LNM: 24/12

**WASHINGTON – PUGET SOUND – HOOD CANAL – Bangor Pier Construction**

Construction of the Explosives Handling Wharf (EHW) #2 at Bangor Submarine Base, at approximately 46-45-09 N / 122-43-23 W, will begin 10 Sep 12, and continue through 09 Jan 16. Mariners can expect material barges, crane barges, tug/push boats, and work skiffs within the vicinity of the EHW piers. VHF-FM Channel 13 will be monitored. For more information, contact Bill Eskins at (678) 449-3892.

Chart 18458

LNM: 36/12

**WASHINGTON – PUGET SOUND – PORT WASHINGTON NARROWS – Bremerton – Manette Bridge (Revised from LNM 14/12)**

The removal of the remaining piers and footing from the old Manette Bridge is being conducted, and is scheduled to be complete in the month of December 2012. Derrick barges involved in the removal will have anchor lines out; mariners are requested to stay at least 200 yards way from any barges working in the area. The existing piers have yellow flashing lights and will remain lighted until the pier is removed. If you have any questions please contact Manson-Mowat at (206) 245-8020 or (206) 947-0840. Please review the LNM for weekly updates.

Charts: 18445 18449

LNM: 27/12

**WASHINGTON – ELLIOTT BAY – DUWAMISH WATERWAY – South Park Bridge Buoys**

Three yellow buoys, with a yellow light flashing every four seconds (FI Y 4s), have been placed in the Duwamish Waterway until 01 Apr 13. Lighted Buoy 'F' is at 47-31-48.972N, 122-18-54.674W; Lighted Buoy 'G' is at 47-31-44.003N, 122-18-50.400W; Lighted Buoy 'H' is at: 47-31-45.516N, 122-18-48.240W. More buoys will be placed in the waterway in the near future. For additional information, please call (206) 786-9327 or (206) 391-2032.

Chart 18450

LNM: 46/11

**WASHINGTON – BOUNDARY PASS – Subsurface Buoy**

A subsurface oceanographic mooring extending 10 meters above the ocean floor has been temporarily set at position 48-45-57.6N, 123-02-18.7W. The mooring buoy will remain in place until 30 Apr 13.

Charts: 18421 18431 18432

LNM: 43/12

**OREGON – WASHINGTON – Japan Tsunami Marine Debris**

Debris from the March 2011 tsunami in Japan has been sighted with satellite imagery and aerial photos in the Pacific Ocean. NOAA has used models to predict when the washed away debris may approach landfall on the coast. The results show the debris could make the coast in 2013.

**OREGON – WASHINGTON – Japan Tsunami Marine Debris**

To read more of the report, or follow any updates, visit NOAA's web site at: <http://marinedebris.noaa.gov/info/japanfaqs.html>.

LNM: 03/12

**RADIOTELEPHONE DISTRESS WATCHKEEPING**

Mariners are advised that calls to the Coast Guard on the international radiotelephone distress frequency 2182 kHz may not be reliably received by the Coast Guard. Areas where maritime broadcasts on 2670 kHz are being received satisfactorily by mariners should not be affected. Similarly, mariners using high frequency (HF) radiotelephones equipped with digital selective calling (DSC) capable of operating on the 4, 6, 8, 12 and 16 MHz distress frequencies should not be affected. Coast Guard watchkeeping services on these HF radiotelephone and DSC distress frequencies are posted at <http://www.navcen.uscg.gov/?pageName=cgcommsCall>.

Mariners who receive a distress alert or call that has not been acknowledged by the Coast Guard are asked to assist if possible and advise the nearest Coast Guard unit using whatever means is practicable.

LNM: 13/12

**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
740 16075	<i>Quillayute River Approach Lighted Whistle Buoy Q</i>	47-53-24.400N 124-39-57.100W	Mo (A) W		4	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.
9895	COLUMBIA RIVER ENTRANCE RANGE FRONT LIGHT	46-16-33.248N 124-03-05.324W	F R	196	*	KWB on skeleton tower.	Visible 3.0° each side of rangeline. Lighted throughout 24 hours.
9900	COLUMBIA RIVER ENTRANCE RANGE REAR LIGHT 628 yards, 045.2° from front light.	* 46-16-46.355N 124-02-46.316W	F G	260	*	KWB on skeleton tower.	Visible 3.0° each side of rangeline. Lighted throughout 24 hours.
10355	* SKAMOKAWA RANGE FRONT LIGHT	* 46-14-04.701N 123-25-26.240W	Q W	26		KRB on multi-pile structure.	Visible all around; higher intensity beam on rangeline.
10360	SKAMOKAWA RANGE REAR LIGHT 427 yards, 140.7° from front light.	46-13-54.902N 123-25-14.704W	Iso W 6s	48		* KRB on skeleton tower on multi-pile structure on same structure as Puget Island Range Rear Light.	Visible 14° each side of rangeline.
10385	* PUGET ISLAND RANGE FRONT LIGHT	46-13-39.697N 123-25-18.192W	Q W	32		* KRB on skeleton tower on multi-pile structure.	Visible 4° each side of rangeline.
10390	PUGET ISLAND RANGE REAR LIGHT 519 yards, 009.6° from front light.	* 46-13-54.858N 123-25-14.691W	Iso W 6s	48		* KRB on skeleton tower on multi-pile structure. On same structure as Skamokawa Range Rear Light.	Visible 4° each side of rangeline.
11140	* WILLOW LOWER RANGE FRONT LIGHT	* 45-44-30.551N 122-45-26.928W	Q W	29		* KRB on tower 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	
11145	WILLOW LOWER RANGE REAR LIGHT 263 yards, 013.9° from front light.	45-44-38.115N 122-45-24.256W	Iso W 6s	50		KRB on skeleton tower.	Visible 5.5° each side of rangeline.	47/12
	*	*		*				
11210	MORGAN DIKE LIGHT 40	45-39-52.121N 122-46-14.919W	Fl R 4s	34	3	TR on multi-pile.		47/12
					*	*		
16075 740	<i>Quillayute River Approach Lighted Whistle Buoy Q</i>	47-53-24.400N 124-39-57.100W	Mo (A) W		4	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.	47/12
					*			
18005	EAGLE HARBOR LIGHT 3	47-37-08.849N 122-29-51.761W	Fl G 2.5s	15	4	SG on multi-pile structure.	Ra ref.	47/12
					*			
18700	<i>Oak Harbor Lighted Buoy 8</i>	48-16-23.930N 122-38-45.678W	Fl R 6s		4	Red.		47/12
					*			

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**PUBLICATION CORRECTIONS**


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**Coast Pilot 7 – NEW EDITION**

PUBLICATION – National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii and Pacific Islands, 2013, 45th Edition, has been issued and is ready for free download at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>. Print-on-Demand (POD) bound copies are available for purchase; see <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>.

Annually printed copies will be available about three weeks from date of this announcement from authorized chart agents and their sales outlets. An agent listing may be viewed at <http://aeronav.faa.gov>. Price \$30.00

The 2013 Edition cancels the preceding 2012 Edition. All corrections to the previous edition issued in Notices to Mariners are incorporated in this edition.

LNM: 47/12

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**ENCLOSURES**


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**Enclosure 1**

OREGON - WASHINGTON - COLUMBIA RIVER - Dredging Operations

LNM: 47/12

**Enclosure 2**

OREGON - PORTLAND and WASHINGTON - SEATTLE - Marine Events

LNM: 47/12

**Enclosure 3**

SNAKE RIVER – ICE HARBOR DAM – Special Pool Operation

LNM: 30/12

**Enclosure 4**

WASHINGTON - SR520 BRIDGE - Charted Temporary Mooring Buoys

LNM: 43/12

**Enclosure 5**

ELLIOTT BAY – DUWAMISH RIVER – Temporary Deployment of Scientific Instruments

LNM: 47/12

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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.

D.R. Peloquin  
Commander, U.S. Coast Guard  
Chief, Waterways Management Branch  
Thirteenth Coast Guard District

**OREGON - WASHINGTON - COLUMBIA RIVER – Dredging Operations**

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
03 Dec 12	14 Feb 13	Mon-Fri 0700-1900	Elliott Bay, Seattle, WA. Terminal 5 in West Waterway	Rainer	Skagit	13 and 16 VHF-FM	Lafarge	47/12
15 Nov 12	31 Dec 12	Mon-Sat 0700-1600	Columbia River, Port of Kalama, WA (RM 77)	Dredge 9	Clam Shell Dredge	13, 16 and 80 VHF- FM	Spoil Barge	46/12
30 Jul 12	30 Nov 12	Mon-Sat 24 Hours	Willapa Bay, WA (IVO Entrance Light 13)	Ross Island 7	None	13,16 and 79 VHF- FM	Grave Yard Spit	29/12
15 Sep 12	15 Feb 13	Mon-Sun 24 Hours	Possession Sound, WA Gedney Island Hat Island Marina	Whitehorse	Western Provider	13 and 16 VHF-FM	Up land	37/12
17 Sep 12	14 Feb 13	Mon-Sun 24 Hours	Swinomish Channel	Mukilteo	Star Marine	13 and 16 VHF-FM	Rosario Strait Open Water Site	37/12
15 Oct 12	15 Feb 13	Mon-Sun 24 Hours	Snohomish River (RM 1.2 to 7)	Renegade	Buccaneer	16 and 79 VHF-FM	Jetty Island	37/12
24 Oct 12	23 Mar 13	Mon-Sun 24 Hours	Columbia River Bonneville Lock and Dam (RM 146)	Heidi Renee	Norton Bay	14 and 16 VHF-FM	Heidi Renee	42/12
01 Nov 12	09 Dec 12	Mon-Sun 24 Hours	Columbia River Willow Bar Slough (RM 94.5)	MudCat	Tug Duchess B and Sarah B	13, 16 and 79A VHF- FM	Dredge piped near shore	43/12
01 Nov 12	09 Dec 12	Mon-Sun 24 Hours	Columbia River Port of Vancouver Berth 4	JBT 14 / JBT 16	Tug Duchess B and Sarah B	13, 16 and 79A VHF- FM	Service barges	43/12
05 Nov 12	14 Feb 12	Mon-Sun 24 Hours	Grays Harbor Inner Harbor	Patriot	Liberty and Swan	13 and 16 VHF-FM	South Jetty and Point Chehalis	44/12

\*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.

**OREGON - WASHINGTON - COLUMBIA RIVER – Dredging Operations Planned**

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	USACE #
2013	TBD	TBD	Portland, OR Willamette River (RM 5.1)	TBD	TBD	TBD	NWP-2012-302-2
2012	2012	TBD	Columbia River Henrici Bar (RM 90 to 93)	Essayons	TBD	13 and 16 VHF-FM	ESS-2012-12
2012	2012	TBD	Columbia River St. Helens Bar (RM 86 to 66)	Essayons	TBD	13 and 16 VHF-FM	ESS-2012-12
TBD	TBD	TBD	Columbia River Tongue Point (RM 20 to 21)	Essayons	TBD	13 and 16 VHF-FM	ESS-2013-01

2012	2012	TBD	Umpqua River Entrance (RM 00 to 01)	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2012-13
2012	2012	TBD	Umpqua River Salmon Reach (RM 01)	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2012-13
2012	2012	TBD	Umpqua River Barretts Range (RM 04)	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2012-13
TBD	TBD	TBD	Columbia River Upper Martin Bar (RM 80 to 83)	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2013-02
TBD	TBD	TBD	Columbia River Pillar Rock Ranges (RM 28)	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2013-02
TBD	TBD	TBD	Columbia River Flavel Bar/Astoria Turning Basin	Yaquina	TBD	13 and 16 VHF-FM	YAQ-2013-02
TBD	TBD	TBD	Willamette River Willamette Park Boat Ramp (RM 15.8)	TBD	TBD	13 and 16 VHF-FM	NWP-2011-187
TBD	TBD	TBD	Columbia River Oregon Slough (RM 06)	TBD	TBD	13 and 16 VHF-FM	NWP-2009-621-2
TBD	TBD	TBD	Willamette River Terminal 2 (RM 10)	TBD	TBD	13 and 16 VHF-FM	NWP-2007-240/2
TBD	TBD	TBD	Willamette River Terminal 4 (RM 4 to 5)	TBD	TBD	13 and 16 VHF-FM	NWP-2007-240/2
TBD	TBD	TBD	Willamette River Terminal 5 (RM 1 to 2)	TBD	TBD	13 and 16 VHF-FM	NWP-2007-240/2
TBD	TBD	TBD	Columbia River Terminal 6 (RM 102 to 104)	TBD	TBD	13 and 16 VHF-FM	NWP-2007-240/2
TBD	TBD	TBD	Willapa Bay, WA	TBD	TBD	13 and 16 VHF-FM	NWS-2012-157

**SECTOR COLUMBIA RIVER MARINE EVENTS**

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
01 Apr 12 thru 31 Mar 13	1200 - 1200	OSCA 2012 Sail Boat Races	Columbia River Between I5 and 205 bridge	Oregon Corinthian Sailing Association

**SECTOR PUGET SOUND MARINE EVENTS**

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
24-Nov-12	1600 - 2100	Port Angeles Yacht Club Christmas Parades	Port Angeles Harbor	Port Angeles Yacht Club
1-Dec-12	1600 - 2100	Port Angeles Yacht Club Christmas Parades	Port Angeles Harbor	Port Angeles Yacht Club
1-Dec-12	0800 - 2100	Winter Vashon Race	Tacoma	Tacoma Yacht Club
1-Dec-12	1700 - 2000	Tree Lightening Parade	Everett Harbor	Mukilteo Yacht Club
2-Dec-12	1500 - 1900	Seafair Special Holiday Cruise	Lake Washington & Union	Seafair
7-Dec-12	1800 - 2130	Chet Gibson Memorial Lighted Boat Parade	Lake Washington & Union	Queen City Yacht Club
8-Dec-12	1800 - 2130	Chet Gibson Memorial Lighted Boat Parade	Lake Washington & Union	Queen City Yacht Club
8-Dec-12	1100 - 1600	Snowbird Race #1, 2, 3, 4, 5	Shilshole Bay	Shilshole Bay Yacht Club
8-Dec-12	1600 - 2100	Port Angeles Yacht Club Christmas Parades	Port Angeles Harbor	Port Angeles Yacht Club
15-Dec-12	1600 - 2100	Port Angeles Yacht Club Christmas Parades	Port Angeles Harbor	Port Angeles Yacht Club
22-Dec-12	1600 - 2100	Port Angeles Yacht Club Christmas Parades	Port Angeles Harbor	Port Angeles Yacht Club



**US Army Corps  
of Engineers®**  
Walla Walla District

# Operations Division

Walla Walla District  
Corps of Engineers  
201 North Third Avenue  
Walla Walla, Washington 99362-1876

July 20, 2012

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## Special Pool Operation to Aid Safe Navigation Past Shoaling at the Ice Harbor Navigation Coffers Cells

A special pool operation to aid safe navigation during low flow river conditions is currently in place for commercial vessels at Ice Harbor Lock & Dam, located at Snake River mile 9.7. When possible, the Ice Harbor Operator will coordinate a temporary increase in the Ice Harbor tailwater elevation to improve conditions for tow/barges, subject to the following conditions:

- Situations that warrant additional flow for safe navigation include
  - Commercial tows with hazardous or flammable cargo
  - Double wide tows without means to split into single wide
  - Emergency conditions directly attributable to shoaling, where human health and safety, and watercraft are in imminent danger
- It is strongly recommended that the special pool operation be used only when absolutely necessary; example would be fully loaded tows of 3 to 4 barges. Water storage to assist with navigation safety is limited by several constraints and it may take many hours (as much as 24 hours) to provide the water needed for several special operations during a 24-hour period; possibly causing long delays.
- If the water elevation request cannot be met, the Ice Harbor Lock Operator will notify the Tow Captain as soon as possible with an estimated time of providing the desired 341.0' elevation.
- **Traveling Downstream:** The Tow Captain is to request an Ice Harbor a special navigation operation via the Lower Monumental Operator when leaving Lower Monumental, to allow a minimum of 2+ hours lead time.
- **Traveling Upstream:** If aid is necessary for upstream navigation the Tow Captain is to call Ice Harbor control room directly when entering the Snake River and not less than 30 minutes out, or notify McNary control room of intend to travel through Ice Harbor navigation lock.

- Ice Harbor will attempt to provide the best possible conditions for navigation subject to all operating constraints and limitations.

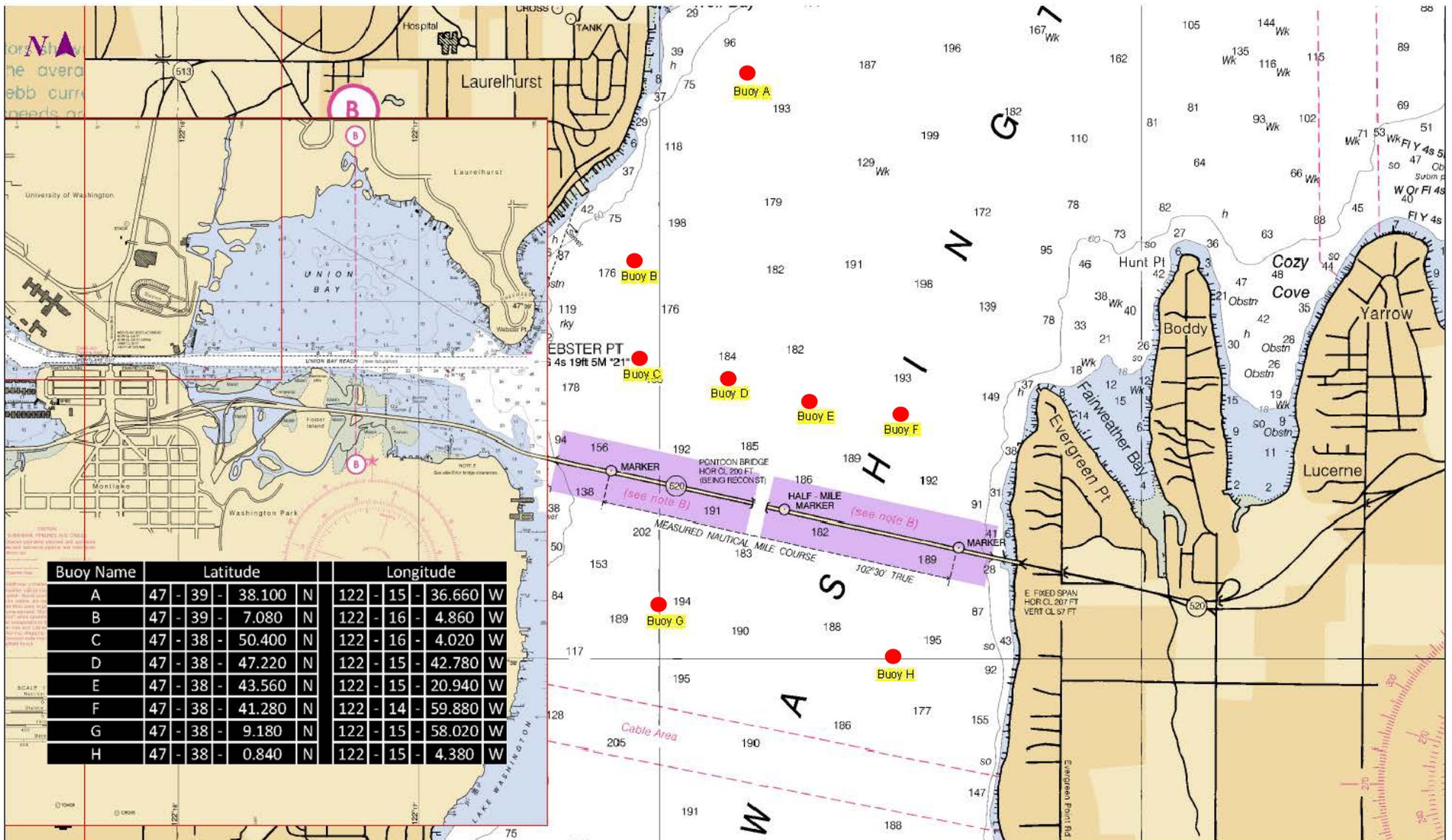
The most current 2011 survey of the area in question is located on the Walla Walla District Navigation website. Please reference sheet 10 of 10 of the most recent hydrographic surveys located here:

[http://www.nww.usace.army.mil/Portals/28/docs/navigation/WEBFY11\\_HLD\\_CUT.pdf](http://www.nww.usace.army.mil/Portals/28/docs/navigation/WEBFY11_HLD_CUT.pdf)

Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

PUGET SOUND - 1 : 18,768

(NOAA Chart) Chart #18440\_1 - Depth Units: FATHOMS



Buoy Name	Latitude	Longitude
A	47 - 39 - 38.100 N	122 - 15 - 36.660 W
B	47 - 39 - 7.080 N	122 - 16 - 4.860 W
C	47 - 38 - 50.400 N	122 - 16 - 4.020 W
D	47 - 38 - 47.220 N	122 - 15 - 42.780 W
E	47 - 38 - 43.560 N	122 - 15 - 20.940 W
F	47 - 38 - 41.280 N	122 - 14 - 59.880 W
G	47 - 38 - 9.180 N	122 - 15 - 58.020 W
H	47 - 38 - 0.840 N	122 - 15 - 4.380 W

DO NOT USE FOR NAVIGATION

**APPROXIMATE POSITIONS**

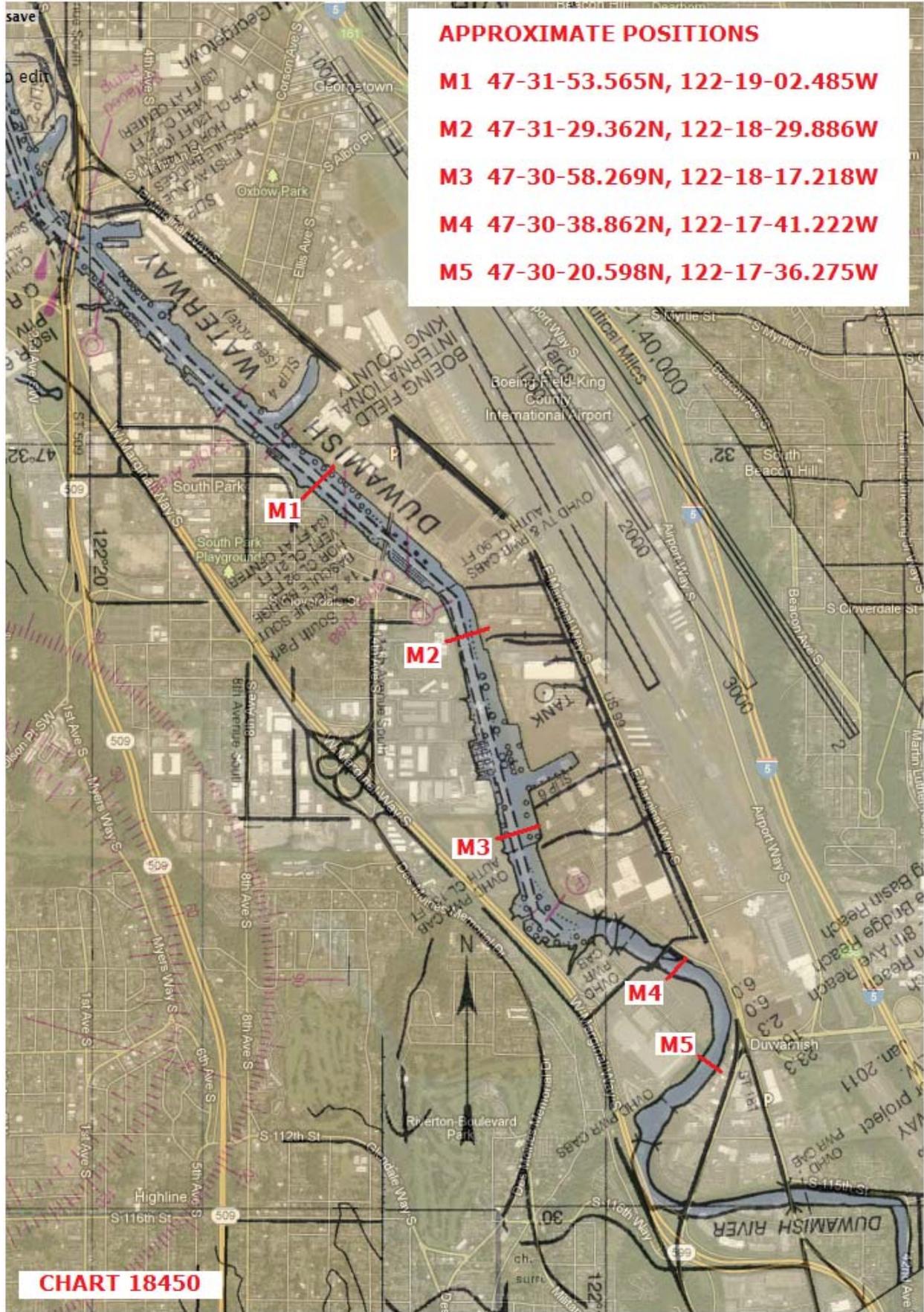
**M1 47-31-53.565N, 122-19-02.485W**

**M2 47-31-29.362N, 122-18-29.886W**

**M3 47-30-58.269N, 122-18-17.218W**

**M4 47-30-38.862N, 122-17-41.222W**

**M5 47-30-20.598N, 122-17-36.275W**



**CHART 18450**