



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

**LOCAL NOTICE TO MARINERS**

**District: 13**

**Week: 34/12**

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)  
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LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2012 Edition

**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	D13-0920-12	D13-0950-12

**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  
fl - flash

**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  
NOS - National Ocean Service

**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  
TMK - Topmark

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

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

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

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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4836.8      **COLUMBIA RIVER – Interstate 5 (I-5) Lift Bridges - Special Notice**

The USCG has issued a temporary deviation from the operating regulation that governs the Interstate 5 Bridges across the Columbia River, RM 106.5, between Portland, OR. and Vancouver, WA. The deviation allows the lift spans of the I-5 Bridges across the Columbia River to be raised to a reduced height of 130 feet above Columbia River Datum from 0700, 15 Sept 12 through 1800, 14 Oct 12. Under normal condition the bridges, when fully lifted, provide a vertical clearance of 178 feet above CRD. The restricted vertical clearance will be 130 feet above CRD. The restricted lift height is needed to facilitate heavy maintenance on the lift-span.

Chart 18526

LNM: 34/12

4836.9      **OREGON – APPROACHES TO YAQUINA HEAD – Test Buoy Deployment**

Oregon State University has deployed the below listed temporary test research buoys off of Yaquina Head until 15 Oct 12. Lighted buoys A, B, C and D mark the boundaries of a box that will contain all of the test research equipment. Enclosures 4 and 5 show the mooring site and plan.

NW Corner Lighted Buoy 'A'	FL Y 2s	44-40-48N, 124-08-42W
NE Corner Lighted Buoy 'B'	FL Y 2s	44-41-54N, 124-07-18W
SE Corner Lighted Buoy 'C'	FL Y 2s	44-40-54N, 124-07-18W
SW Corner Lighted Buoy 'D'	FL Y 2s	44-40-48N, 124-08-42W
Tri-AXYS Research Lighted Buoy	FL (5) Y 20s	44-41-43N, 124-07-42W
Wet-NZ Device Research Lighted Buoy	FL (5) Y 20s	44-41-42N, 124-07-37W

- The Wet-NZ has a three point mooring systems with associated mooring lines and anchors.

Ocean Sentinel Research Lighted Buoy	FL (5) Y 20s	44-41-45N, 124-07-36W
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- The Ocean Sentinel has a three point mooring systems with associated mooring lines and anchors.

- The Ocean Sentinel moorings have anchor marker buoys with lights, radar reflectors, reflective tape.

NOTE: The Wet-NZ and Ocean Sentinel buoys have a subsea and near surface power-communications cable connected between each of the buoys. The cable is marked with surface floats. However, it is recommended that vessels stay clear of these buoys.

For more information contact the Manager of Wave Energy Ocean Test Facilities, Mr. Sean Moran at (541) 737-5315 or sean.moran@oregonstate.edu or visit "NW National Marine Renewable Energy Center" at <http://nnmrec.oregonstate.edu>.

Chart 18520

LNM: 34/12

4837      **WASHINGTON – PUGET SOUND – OLYMPIA – Special Local Regulation**

The USCG will enforce the Olympia Harbor Days Tug Boat Special Local Regulation (SLR) on 02 Sep 12. The regulations in the Olympia Harbor Days Tug Boat Races, Budd Inlet, WA. SLR, as per 33 CFR 100.1309, will be enforced from 1200 to 2000 on 02 Sep 12. The regulated area will be closed immediately prior to, during and immediately after the event to all persons and vessels not participating in the event, and authorized by the event sponsor. Any person or vessel who desires to enter the designated race area, while it is enforced, must obtain permission from the on-scene patrol craft on VHF Ch 13.

Chart 18456

LNM: 34/12

4837.1      **WASHINGTON - WHIDBEY ISLAND - DGPS Off-air time**

DGPS Whidbey Island, WA site (888) will be off-air for grounds maintenance from 1000 to 1300 on 28 Aug 12, with an alternate date from 1000 to 1300 on 29 Aug 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: 33/12

4837.3      **WASHINGTON – PUGET SOUND – NORTHERN PART – NAVAL OPERATIONS AREA – Research and Testing**

Research and testing in the Bangor Naval Operations Area (Hood Canal and Dabob Bay) will be conducted from 0700 to 1800 daily during the

month of August 2012. Testing will involve range support craft, with rotating red lights, moving test vehicles, and Navy divers. During diver support, the Code ALFHA flag will be flown as required. All mariners are requested to not approach within 300 yards of support craft and vehicles. VHF-FM marine Channel 16 will be monitored by all Keyport Range Craft participating in the operations. Questions can be directed to any operating Keyport Range Craft on marine VHF Channel 16 or by contacting the Pacific Northwest Range Management and Operations Division, Range Control Branch, Keyport, WA. at (360) 396-2313.

Charts: 18458 18477

LNM: 32/12

**4837.4 OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Broadway Bridge Special Bridge Notice**

The USCG has issued a deviation to the operation of the Broadway Bridge 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 0800 until 0900 on 9 Sep 12. 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 draw span 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.

Chart 18526

LNM: 32/12

**4837.5 SNAKE RIVER – LITTLE GOOSE POOL – Low River Flow Expected**

River flows in the Lower Snake River are forecasted to drop and may approach 30 kcfs. These lower flow conditions, in conjunction with MOP operations set up local hydraulic effects that can impede safe navigation during lock transit at Lower Granite navigation lock. As provided in the 2012 Summer Fish Operations Plan (FOP) "...adjustments to pool elevation in the Little Goose pool of up to 1.0 ft. above the MOP operating range may be necessary to accommodate safe entrance to the navigation lock..." To ensure safe navigation and meet minimum tailwater elevations at the Lower Granite navigation lock, the Corps is likely to begin operating the Little Goose forebay in a 1-foot range between 633.5 ft and 634.5 ft beginning 28 July 12 and most likely, lasting through the month of August 2012. Reservoir Control Center will be monitoring the conditions closely and make adjustments for safe navigation as needed.

Chart 18546

LNM: 31/12

**4837.8 OREGON – REEDSPORT – Temporary Buoy**

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

Chart 18580

LNM: 31/12

**4837.9 CHANGE TO ABBREVIATIONS**

The USCG is changing the abbreviations used in Section II (Discrepancies). Beginning with Local Notice to Mariners No. 33 of 2012, DAYMK (Daymark) will replace DBN (Daybeacon).

LNM: 31/12

**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)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
590	NOAA Environmental Lighted Buoy 46015	MISSING	18580	No BNM	49/11	
641	NOAA Environmental Lighted Buoy 46050	OFF STA	18561	0564-11	23/11	
688	NOAA Environmental Lighted Buoy 46029	MISSING	18520	0375-12	13/12	
<b>690</b>	<b>Columbia River Approach Lighted Whistle Buoy CR</b>	<b>OFF STA</b>	<b>18521</b>	<b>0944-12</b>	<b>34/12</b>	
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	
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
10980	Martin Island Middle Dike Light 65	STRUCT DMGD	18524	1076-11	45/11
11140	Willow Lower Range Front Light	DAYMK IMCH	18525	0695-12	25/12
11465	Government Island Range Front Light	LT EXT	18531	0898-12	33/12
11475	Mcguire Island Middle Dike Light 34	DAYMK MISSING/STRUCT DMGD	18531	0754-12	27/12
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
14978	Toe Island Light 1	STRUCT DMGD	18528	0616-12	22/12
15135	New Era Bar Range Front Daybeacon	DAYMK IMCH	18528	0723-11	30/11
15140	New Era Bar Range Rear Daybeacon	DAYMK IMCH	18528	0724-11	30/11
<b>15215</b>	<b>Willapa Bay Channel Light 15</b>	<b>LT EXT</b>	<b>18504</b>	<b>0947-12</b>	<b>34/12</b>
15585	Point Chehalis Range Front Light	DAYMK MISSING	18502	1012-09	50/09
15640	Grays Harbor South Reach Lighted Buoy 17	OFF STA	18502	0902-12	33/12
15981	Point Chehalis Lighted Buoy 2	REDUCED INT	18502	0302-12	10/12
19395	Belle Rock Sector Light	MSLD SIG	18429	0766-12	29/12
19490	Peapod Rocks Light 15	DAYMK IMCH	18430	0797-11	34/11
19855	Ewing Island Reef Danger Buoy	MISSING	18431	0585-12	21/12
19875	Alden Bank Buoy 5	OFF STA	18431	0916-12	33/12

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
690	Columbia River Approach Lighted Whistle Buoy CR	WATCHING PROPERLY	18521	0943-12	30/12	34/12
11195	Morgan Upper Range Rear Light	RELIGHTED	18525	0948-12	34/12	34/12
11470	Government Island Range Rear Light	WATCHING PROPERLY	18531	0919-12	33/12	34/12
15070	Jennings Lodge Light 19	WATCHING PROPERLY	18528	0937-12	33/12	34/12
17090	Browns Point Light	RELIGHTED	18453	0933-12	34/12	34/12

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
687	Seaside Data Lighted Buoy	MISSING	18520	0693-12	25/12	
<b>18547</b>	<b>Port Of Everett Jetty Island Light A</b>	<b>LT IMCH</b>	<b>18444</b>	<b>0925-12</b>	<b>34/12</b>	
<b>18549</b>	<b>Port Of Everett Jetty Island Light C</b>	<b>LT EXT</b>	<b>18444</b>	<b>0926-12</b>	<b>34/12</b>	
19745	Pearl Island Pier Lights (2)	LT IMCH	18433	0874-12	32/12	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
15030	Oswego North Pier Light	WATCHING PROPERLY	18528	0950-12	31/12	34/12
17728	Hood Canal Research Lighted Buoy C	RESET ON STATION	18477	0927-12	33/12	34/12
19755	Pearl Island Dock Light	WATCHING PROPERLY	18433	0924-12	32/12	34/12

**PLATFORM DISCREPANCIES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

**PLATFORM DISCREPANCIES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

**SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED**

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

new position.

**TEMPORARY CHANGES**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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	1166-11	49/11	
10480	Pancake Point Dike Light 59	TRLT	18523	No BNM	21/12	
11770	Bonneville Pool Light 4	TRLB	18531	0909-10	38/10	
19395	Belle Rock Sector Light	TRLT	18429	0766-12	29/12	
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
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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			
Corrective Action	Green can	Object of Corrective Action	Position			

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

<b>18504</b>	<b>66th Ed.</b>	<b>01-JUL-06</b>	<b>Last LNM: 17/12</b>	<b>NAD 83</b>	<b>34/12</b>
<i>Chart Title: Willapa Bay;Toke Pt.</i>					
<b>CHART WA - WILLAPA BAY. Page/Side: N/A</b>					
RELOCATE	Willapa River Range B Front Light and Change height to 25 ft.			CGD13 from 46-42-33.763N to 46-42-33.769N	123-51-18.002W 123-51-17.995W
RELOCATE	Willapa River Range B Rear Light			CGD13 from 46-42-43.881N to 46-42-43.887N	123-50-26.686W 123-50-26.677W

**18561**      **13th Ed.**      **01-DEC-11**      **Last LNM: 29/12**      **NAD 83**      **34/12**  
*ChartTitle: Approaches to Yaquina Bay;Depoe Bay*  
**CHART OR - APPROACHES TO YAQUINA BAY. Page/Side: N/A**

CHANGE	Yaquina Bay Entrance Range Rear Light Height to 52 ft.	CGD13 at 44-37-13.566N	124-03-20.038W
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**18581**      **19th Ed.**      **01-OCT-11**      **Last LNM: 30/12**      **NAD 83**      **34/12**  
*ChartTitle: Yaquina Bay and River;Continuation of Yaquina River*  
**CHART OR - YAQUINA BAY AND RIVER. Page/Side: N/A**

CHANGE	Yaquina Bay Entrance Range Rear Light Height to 52 ft.	CGD13 at 44-37-13.566N	124-03-20.038W
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**18587**      **71st Ed.**      **01-APR-11**      **Last LNM: 28/12**      **NAD 83**      **34/12**  
*ChartTitle: Coos Bay*  
**Main Panel 1796 COOS BAY. Page/Side: N/A**

SUBSTITUTE	Sounding in Feet; 21 for 4 (NOS NW-21994)	NOS 43-24-35.500N	124-16-56.400W
ADD	Pile (NOS NW-21994)	NOS 43-24-35.000N	124-16-51.400W
ADD	Pile (NOS NW-21994)	NOS 43-24-35.000N	124-16-53.900W
ADD	Pile (NOS NW-21994)	NOS 43-24-35.000N	124-16-56.500W
ADD	Pile (NOS NW-21994)	NOS 43-24-35.000N	124-16-57.800W
ADD	Pile (NOS NW-21994)	NOS 43-24-36.300N	124-16-51.400W

**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		
<u>Advance Notice(s)</u>		
None		

**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)

84      **WASHINGTON – LAKE WASHINGTON SHIP CANAL – BALLARD RAILWAY BASCULE BRIDGE – Special Bridge Notice**  
 BNSF Railway has requested that the draw of the BNSF Railway Bridge across the Lake Washington Ship Canal, mile 0.1 (Ballard), be locked in the closed position and not be required to open for the passage of vessels for a 12 day period from 0700 07 Nov 12 through 1700 18 Nov 12. The closure is required to perform heavy maintenance including replacing operating strut guides on the bascule span. The closure time frame will coincide with the closure of the Hiram M. Chittenden large lock at Ballard. Please direct comments or concerns to the Coast Guard Bridge Administrator, Mr. Randall Overton, at randall.d.overton@uscg.mil or 206-220-7282.

Chart    18447      LNM: 33/12

85      **WASHINGTON – COLUMBIA RIVER TO DESTRUCTION ISLAND – Temporary discontinuance of North Head Light**  
 The U.S. Coast Guard is proposing to temporarily discontinue North Head Light (LLNR 700) from 04 Sep 12 until approximately 02 Oct 12. The reason for the discontinuance is to facilitate the replacement of the glass in the lantern room cupola by the Washington State Parks and

Recreation Commission. The light will be restored to normal operations after the completion of the window replacement.

Chart 18500

LMN: 33/12

**86 COLUMBIA RIVER – ST. HELENS TO VANCOUVER – Warrior Rock Light reduction in intensity**

The U.S. Coast Guard is proposing to reduce the nominal range of Warrior Rock Light (LLNR 11060) from seven (7) to five (5) nautical miles, to facilitate the installation of a LED lantern.

Chart 18525

LMN: 31/12

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## SECTION VII - GENERAL

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

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**500 BRIDGE LIGHTING DISCREPANCIES**

Lights on the following bridges have been reported extinguished:

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
Willamette River	Wilsonville RR Bridge	Wilsonville, OR	EXT	07/14/12	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
Snake River	SR-12 Bridge	Pasco, WA	EXT	08/20/12	0942-12

LMN: 34/12

**505 BRIDGE LIGHTING DISCREPANCIES CORRECTED**

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

None

LMN: 34/12

**520 OREGON – YAQUINA BAY – Yaquina Bay Bridge paint and repair**

The Yaquina Bay Bridge paint and repair project may reduce the vertical clearance by 10 feet in various locations underneath the bridge from 01 Apr 11 until 31 Oct 12. The work platforms and containment systems will be marked with yellow flashing lights.

Chart 18581

LMN: 13/11

**540 OREGON – YOUNGS BAY – LEWIS AND CLARK RIVER – Bridge Special Bridge Notice**

The USCG has issued a deviation to the operation of the Lewis and Clark Drawbridge across the Lewis and Clark River, mile 1.0, at Astoria, OR. This deviation is necessary to accommodate roadway maintenance on the bridge. The deviation allows the Lewis and Clark Drawbridge to remain in the closed position and need not open for maritime traffic from 0700 on 29 Aug 12 through 1700 on 30 Aug 12. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge must return to its regular operating schedule immediately at the end of the designated time period.

Chart 18521

LMN: 29/12

**550 COLUMBIA RIVER – Astoria Megler Bridge Painting**

A painting containment system may be installed at various locations on the Astoria Megler Bridge, Columbia River RM 13.5, except the main span, until 31 Oct 12. This will reduce vertical clearance by ten feet. The main navigation span will not be affected. Installations will be marked at each corner by flashing red lights.

Chart 18521

LMN: 13/12

**562 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

LMN: 13/11

**566 OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Steel Bridge Special Bridge Notice**

Scaffolding will be placed on the Steel Bridge, RM 12.1, Willamette River, Portland, Oregon beginning 01 Apr 12. The scaffolding is being placed beneath the lower deck of Steel Bridge to facilitate track maintenance to include the replacement of rail cross ties. Scaffolding may be installed under the bridge so that the vertical clearance is not reduced by more than 4 feet for maritime traffic passing beneath the bridge. The scaffolding may be in place at various locations under the structure from 01 Apr 12 until 01 Apr 13. The lift span of the Steel Bridge will continue to operate as normal in accordance with 33 CFR 117.5 unless otherwise authorized by this office. Questions may be directed to the Coast Guard Bridge Administrator, Randall Overton at 206-220-7282 or email [Randall.d.overton@uscg.mil](mailto:Randall.d.overton@uscg.mil).

Chart 18526

LMN: 13/12

568 **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

LNLM: 11/12

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

The Sellwood Bridge at RM 16.6 on the Willamette River is under construction for replacement from Dec 11 to Mar 15. 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

LNLM: 47/11

580 **WASHINGTON – PUGET SOUND – HOOD CANAL BRIDGE – Special Notice**

The USCG has signed a final rule which modifies the drawbridge operating regulation for the Hood Canal floating drawbridge near Port Gamble. The new rule allows the draw of the bridge not open for maritime traffic from 1500 until 1815 everyday during the summer months; from 22 May until 30 September, every year. Vessels which do not require a bridge opening may continue to transit beneath the fixed sections of the bridge during this closure period. Vessels of the U.S. Navy and vessels assisting with U. S. Naval operations, as well as, commercial tug and tow vessels are exempt from this regulation; therefore the draw span will be required to open, if needed, for these vessels during the closure period. This rule will be published in the Federal Register and become part of the Code of Federal Regulations (CFR), under article 33 CFR § 117.1045.

Charts: 18473 18476 18477

LNLM: 19/12

581 **WASHINGTON – EVERETT – SNOHOMISH RIVER – Snohomish River Bridge**

Construction is being conducted on the SR 522 Snohomish River Bridge until Oct 2012. A temporary work trestle will be built extending halfway into the Snohomish River from the east bank, and is marked with yellow dayboards, and lighted with flashing yellow (FI Y) lights. Mariners exercise caution. For more information, visit [www.wsdot.wa.gov/projects/SR522/Widen/SnoRiver\\_US2/](http://www.wsdot.wa.gov/projects/SR522/Widen/SnoRiver_US2/), or contact Janice Fahning at (425) 225-8725.

LNLM: 27/12

583 **WASHINGTON – LAKE WASHINGTON – SR520 BRIDGE: Special Bridge Notice (REVISED Draw Operations)**

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. 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

LNLM: 27/12

590 **WASHINGTON – DUWAMISH WATERWAY – Voluntary Avoidance of Opening of Spokane Street Bridge During Rush Hours**

The City of Seattle Department of Transportation is requesting that vessel traffic voluntarily avoid requesting openings of the Spokane Street Swing Bridge over the Duwamish Waterway, mile 0.3, during the hours of 1500 to 1800, Monday through Friday, until 30 Sep 12. This voluntary avoidance of openings is requested to accommodate roadway traffic that has been diverted from the high-level Spokane Street Bridge to the lower Spokane Street swing bridge because of on-going construction on the Spokane Street Viaduct access ramps. Vessels needing an opening of the bridge between 1500 to 1800 during the weekday are requested to provide advance notice if possible so that street traffic may be alerted to openings of the bridge. For more information contact the City of Seattle Department of Transportation at (206) 684-3897 or visit the website: <http://www.seattle.gov/transportation/spokanestreet.htm>.

Chart 18450

LNLM: 02/12

1200 **OREGON – COAST – Cable Ship Operations**

The Cable Ship 'Dependable' will be conducting cable and subsea node installation operations from 08 Jul 12 through 30 Aug 12 off the coast of Oregon and open ocean. C/S Dependable is a 140 meter white hull ship, call sign 'V7D16', and will monitor VHF-FM Ch 16. The C/S Dependable can also be reached at VSAT: +44 (207) 858-5605. A 4000 yard CPA is requested to avoid possible entanglement or damage to equipment and/or fishing gear. The operations will be in an area bounded by:

44-31.0N, 124-06.0W; 45-40.0N, 123-58.0W; 46-12.0N, 130-07.0W; 45-25.0N, 130-07.0W; 44-12.0N, 125-00.0W; 44-31.0N, 124-06.0W.

Chart 18003

LNLM: 26/12

1300 **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).

- 1300 **OREGON – CAPE BLANCO TO YAQUINA HEAD – Heceta Head Lighthouse Restoration Project**  
Chart 18580 LNM: 03/12
- 1350 **OREGON – CAPE BLANCO TO YAQUINA HEAD – Deployment of Two Subsurface Oceanographic Instrument Moorings**  
Two subsurface oceanographic instrument moorings have been temporarily placed 4NM off of Reedsport, Or as of 23Jul12 in approximate positions: (AMAR #1) 43-45-48.200N, 124-14-12.836W; (AMAR #2) 43-48-04.860N, 124-13-48.814W. Both moorings sit in 187 feet of water and extend 35 feet above the seafloor. For more information, contact Mr. Xavier Mouy at (250) 483-3300, ext. 2009 or at Xavier.Mouy@jasco.com.  
Chart 18580 LNM: 30/12
- 1400 **OREGON – APPROACHES TO YAQUINA BAY – Sunken Vessel**  
A sunken fishing vessel is currently resting on the north side of the Northern Jetty of the Yaquina Bay approach in approximate position 44-36-48.00N, 124-04-48.00W. The vessel sank at a charted depth of 18 feet. All vessels transiting in the area keep a sharp lookout and exercise caution.  
Charts: 18561 18581 LNM: 30/12
- 2210 **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
- 2212 **COLUMBIA RIVER – ILWACO WASHINGTON – Temporary Acoustic Telemetry Equipment Deployment**  
The Washington Department of Fish and Wildlife, Lower Columbia River Research Group, will be deploying temporary acoustic telemetry equipment in the below listed nine locations in the lower Columbia River near RM 5.0 from 05 Jun 12 to 15 Nov 12. This equipment will be subsurface and marked with one inflatable float, and three small orange foam floats at each station. For more information contact Mr. Phillip Dionne at (360) 906-6745 or at phillip.dionne@dfw.wa.gov.
- | Station | Latitude      | Longitude      |
|---------|---------------|----------------|
| A.      | 46-14-10.968N | 123-59-33.432W |
| B.      | 46-14-11.904N | 123-58-58.116W |
| C.      | 46-15-05.544N | 123-58-39.396W |
| D.      | 46-14-42.288N | 123-58-47.532W |
| E.      | 46-14-42.000N | 123-59-39.984W |
| F.      | 46-15-15.012N | 123-59-13.992W |
| G.      | 46-15-23.004N | 123-58-18.012W |
| H.      | 46-14-49.992N | 123-58-55.992W |
| I.      | 46-15-56.124N | 124-02-05.280W |
- Chart 18521 LNM: 23/12
- 2213 **COLUMBIA RIVER – TENASILLAHE ISLAND – Temporary Acoustic Research Buoys**  
The Columbia River Inter Tribal Fish Commission will be setting four research buoys IVO Tenasillahe Island near RM 35 from 25-29 Jun 12 until Oct 2012. The buoys are unlighted foam fluorescent orange and size 1.5 ft by 6 inch diameter, and labeled "CRITFC". An additional salmon red inflatable buoy is attached to help distinguish from other recreational buoys. These buoys have an attached Vemco VR-2W receiver that is placed ~10-15- ft below the surface to a 1- inch line, which is held in place by a 50lbs kedge anchor or 22lbs claw anchor and is labeled with contact information as well. The buoys will be set at the following locations:  
TI1 46-14-56.220N / 123-26-03.000W;  
TI2 46-14-46.320N / 123-26-16.980W;  
TI3 46-14-38.700N / 123-26-27.900W;  
TI4 46-13-31.140N / 123-28-37.800W.  
Chart 18523 LNM: 24/12
- 2230 **COLUMBIA AND SNAKE RIVERS - Summer Seasonal Lockage Schedule for Recreational Craft**  
The USACE, Walla Walla and Portland Districts, are implementing the summer seasonal lockage schedule, which is effective from 15 May 12 to 15 Sep 12, for the passage of recreational craft through the navigation locks. For the lockage schedule and additional information, visit Portland's website at: <http://www.nwp.usace.army.mil/locations/home.asp>, and Walla Walla's at: <https://www.nwp.usace.army.mil/op/s/nl/home.asp> or contact the Operations Division at (509) 527-7115 or (509) 527-7120.  
LNM: 19/12
- 2235 **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.  
Chart 18531 LNM: 26/12

- 2240 **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 (OG) 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
- 2300 **SNAKE RIVER – Water Management in the Snake River Pools**  
The Lower Snake River Projects (Ice Harbor, Lower Monumental, Little Goose and Lower Granite) are at minimum pool operation (MOP). Mariners should use extreme caution when approaching and entering the navigation locks during this period. Report any problems encountered to the lock operator on duty and for additional information, contact the USACE Walla Walla District at (509) 527-7115 or visit the website: <http://www.nww.usace.army.mil/>.  
The MOP levels are as follows:  
Ice Harbor 437-438 feet,  
Lower Monumental 537-538 feet,  
Little Goose 633-634 feet,  
Lower Granite 733-734 feet, possible variations in elevation based on current river flow.  
Charts: 18545 18546 18547 18548 LNM: 15/52
- 2310 **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
- 2315 **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
- 2320 **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
- 5430 **WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – LaPush Lighted Research Buoy**  
University of Washington has placed a subsurface research buoy off the Washington coast near LaPush at 47-57-51.180N, 124-56-53.880W. The buoy is 50 feet below the surface, and fishing vessels are requested to operate no closer than 300 yards of the deployed position. Contact John Mickett at (206) 897-1795, or email [jmickett@apl.washington.edu](mailto:jmickett@apl.washington.edu).  
Chart 18460 LNM: 34/11
- 5500 **WASHINGTON – STRAIT OF JUAN DE FUCA ENTRANCE – Subsurface Buoy Deployment**  
A subsurface data collection buoy has been set at approximately 58 meters below the surface at 48-30.9790N, 124-56.0996W.  
Charts: 18460 18480 LNM: 25/12

6000 **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

6050 **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

6055 **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

6057 **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

6060 **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 Oct 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

6070 **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

6080 **WASHINGTON – ELLIOTT BAY – DUWAMISH WATERWAY – Bridge Construction through Feb 2013 (Revised from LNM 29/11)**

Construction work will continue in the vicinity of the South Park Bridge on the Duwamish Waterway through the month of Feb 13. The waterway will be partially obstructed due to construction of concrete pillars and anchoring of barges. Mariners use caution and slowest speed while transiting the South Park Bridge area.

Complete blockage of the Duwamish Waterway for construction has been authorized by the USCG during the following dates and times:

01 Sep 12, 0700 to 1900;

06 Oct 12, 0700 to 1900;

25 Oct 12, 0700 to 1900.

Chart 18450

LNM: 29/12

7000 **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. 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

8000 **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

8000 **RADIOTELEPHONE DISTRESS WATCHKEEPING**

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	
9585	YAQUINA BAY ENTRANCE RANGE REAR LIGHT 386 yards, 061° from front light.	44-37-13.566N 124-03-20.038W	Iso R 6s	52		KRB on skeleton tower on multi-pile structure.	Visible 1.5° each side of rangeline.	34/12
				*		*		
13005	Lake Wallula Daybeacon 36	46-09-11.012N 118-59-02.905W				TR on pile.		34/12
15280	WILLAPA RIVER RANGE B FRONT LIGHT	46-42-33.769N 123-51-17.995W	Q W	25		KRB on pile structure.	Visible all around; higher intensity on rangeline.	34/12
		*		*				
15285	WILLAPA RIVER RANGE B REAR LIGHT 1,240 yards, 074.0° from front light.	46-42-43.887N 123-50-26.677W	Iso W 6s	56		KRB on skeleton tower on pile structure.	Visible 4° each side of rangeline.	34/12
	*	*				*		
15485	Stanley Point Junction Daybeacon	46-27-40.386N 123-56-14.820W				JR on pile.	Ra ref.	34/12
19275	Squalicum Creek Entrance Buoy 2	48-45-23.836N 122-30-47.129W				Red nun.		34/12

**PUBLICATION CORRECTIONS**

None

**ENCLOSURES**

- 10 **Enclosure 1**  
OREGON - WASHINGTON - COLUMBIA RIVER - Dredging Operations  
LNM: 34/12
- 11 **Enclosure 2**  
OREGON - PORTLAND and WASHINGTON - SEATTLE - Marine Events  
LNM: 34/12
- 14 **Enclosure 3**  
SNAKE RIVER – ICE HARBOR DAM – Special Pool Operation  
LNM: 30/12
- 15 **Enclosure 4**  
Oregon State University Wave Energy Test Site Map.

LNM: 34/12

16 **Enclosure 5**

Oregon State University Wave Energy Test Mooring Plan.

LNM: 34/12

17 **Enclosure 6**

U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2012 (44th) Edition, Change No. 18.

LNM: 34/12

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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 planned or in progress at the following locations:

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
13 Aug 12	26 Sep 12	Mon-Sun 24 Hours	Columbia River (OR and WA) (RM 22 to 25)	Oregon	Ivanoff, Clackamas, WL Williams	13 and 16 VHF-FM	In- Water (RM 23.5 to 24.5)	33/12
10 Jul 12	21 Oct 12	Mon-Sun 24 Hours	Columbia River Entrance (RM -2 to 2)	Stuyvesant (Hopper)	None	13 and 16 VHF-FM	Columbia River (RM 0)	28/12
30 Jul 12	30 Sep 12	Mon-Sun 24 Hours	Gig Harbor, Murphy's Landing	Orion 1201	Skagit	13,16 and 69 VHF- FM	Commencement Bay	29/12
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
**16 Aug 12	26 Aug 12	Mon-Sun 24 Hours	Columbia River Entrance (RM 77 to 83)	Stuyvesant (Hopper)	None	13 and 16 VHF-FM	RM 71.4, 72.0, 81.1, 81.5 & 82.4	33/12
17 Aug 12	04 Sep 12	Mon-Sun 24 Hours	Coos Bay Entrance (RM -1 to 1)	Essayons	None	13 and 16 VHF-FM	Ocean Site F	34/12
22 Aug 12	30 Aug 12	Mon-Sun 24 Hours	Chetco River, OR (RM 0, North Boat Basin)	Sea Horse	Marine Retriever	13,16 and 67 VHF- FM	Chetco Open Water	34/12

**\*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.**

**\*\* Stuyvesant will dredge at RM 77 to RM 83 from 16 to 26 August and then return to the Columbia River entrance.**

## 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
25 Aug 12	1000 - 1600	Oregon Open Ocean-Offshore	Otter Rock State Park, Newport, OR	Oregon Open Ocean POC:503-724-1041
25-26 Aug 12	0600-1600	Club Tournament	Lake Wallula, WA	Oregon Bass Federation POC: Jason Hooper
26 Aug 12	1000-1500	Oregon Open Ocean-Bay	Newport and Toledo, OR	Oregon Open Ocean POC: 503-724-1041
30 Aug 12 thru 02 Sep 12	0400-1800	Slam'n Salmon Ocean Derby	Brookings, OR	Port of Brookings Harbor POC: 541-661-1899
01 Sep 12	0900-1000	Titanium Man Triathlon	Pasco, WA	Tree Rivers Road Runners
01 Sep 12	0900- 1500	Paddle 4 Cancer	Oaks Amusement Park in Sellwood, Portland	Athletes for Cancer 541 490-9621
04 Sep 12	0900-1000	Power of Pasco Sprint Triathlon	Pasco, WA	Tree Rivers Road Runners
07 - 09 Sep 12	0100-1900	Tuna Smackdown	Bremerton, WA	Defiance Boats POC: 360 689-6767
15 Sep 12	0830-0900	Columbia Crossing Swim	Pasco, WA	Tree Rivers Road Runners
22 Sep 12	0500-1600	Potholes Bass Club Bass Tournament	Wallula Pool, WA	Pothole Bass Club POC: 509-431-3873
23 Sep 12	1000-1030	Portland Triathlon	North Breakwater to Morrison Bridge, Portland, OR	Skyline Events, LLC
29 Sep 12	0800-1200	Head of the Dog Rowing Regatta	Multnomah Channel Portland, OR	Portland Boat Club POC: 503-549-4606
30 Sep 12	0700-1000	Row For The Cure	Willamette River in downtown Portland	Meg Eastman Thompson POC: 503 459-8854
06 Oct 12	0700-1400	Great Mid Columbia Duck Race	Kennewick, WA	Tri-Cities Rotary Club POC: 509-539-6864
13-14 Oct 12	0600-1600	Couples Tournament	Lake Wallula, WA	Oregon Bass Federation POC: Jason Hooper
27 Oct 12	2000-2030	Leukemia & Lymphoma Light the Night Walk	Willamette River between Steele & Burnside Bridges, Portland, OR	Leukemia & Lymphoma Society
28 Oct 12	0700-1500	Portland Fall Classic	Willamette River, Portland, OR	Station L Rowing Club and Rose City Rowing Club

## SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
22-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
22-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club
22-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
22-Aug-12	1800 - 2000	Summer Series - CYCE	Edmonds	Corinthian Yacht Club of Edmonds
22-Aug-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
22-Aug-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
23-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
23-Aug-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
24-Aug-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
24-Aug-12	1000 - 1700	BYC Summer Solstice Series	Bellingham Bay	Bellingham Yacht Club
25-Aug-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
25-Aug-12	0930 - 1300	Sound Rowers' The Great Cross - Sound Race	Alki Beach	Sound Rowers
25-Aug-12	1030 - 1330	Maritime Fest Race	Commencement Bay	Corinthian Yacht Club of Tacoma
25-Aug-12	1000 - 2030	Northwest Jr. Olympics Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
25-Aug-12	1000 - 1800	Commencement Bay Maritime Festival	Commencement Bay	Youth Marine Foundation
25-Aug-12	0600 - 1400	Lake Sammamish Bass Tournament	Lake Sammamish	Capital City Bass Club
25-Aug-12	1200 - 1900	4th Annual Work Boat Races	Guemes Channel	Port of Anacortes
26-Aug-12	1000 - 2030	Northwest Jr. Olympics Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
26-Aug-12	1000 - 1800	Commencement Bay Maritime Festival	Commencement Bay	Youth Marine Foundation

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
26-Aug-12	0600 - 1400	Lake Sammamish Bass Tournament	Lake Sammamish	Capital City Bass Club
26-Aug-12	1200 - 1500	Annual Jack and Jill	Edmonds	Corinthian Yacht Club of Edmonds
27-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
27-Aug-12	0800 - 1600	Josh Fueston Memorial Swim to Live	Bellingham Bay	Laurie Fueston
28-Aug-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
28-Aug-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
28-Aug-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
29-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club
29-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
29-Aug-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
29-Aug-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
30-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
30-Aug-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
1-Sep-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
1-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
2-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
2-Sep-12	1200 - 2000	Olympia Harbor Days	Budd Inlet	Olympia Kiwanis Club
2-Sep-12	1000 - 1400	Sequim Balloon Fest Kayak Race	Sequim Bay	Ruby Creek Boathouse
3-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
4-Sep-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
4-Sep-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
4-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
5-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
5-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
6-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
6-Sep-12	1830 - 2100	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
7-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
7-Sep-12	1430 - 1830	2012 Wooden Boat Festival under 26ft Race	Port Townsend	Port Townsend Sailing Association
8-Sep-12	0930 - 1530	Sound Rowers' The Bainbridge Marathon	Bainbridge Island	Sound Rowers
8-Sep-12	0930 - 1730	Commodore's Cup Trophy Race	Des Moines Marina	Three Tree Point Yacht Club
8-Sep-12	1000 - 1300	CYCT Awards Race	Commencement Bay	Corinthian Yacht Club of Tacoma
8-Sep-12	1100 - 1800	Snooze and Cruise C and D	Shilshole Bay, Meadow Pt	Seattle Yacht Club
8-Sep-12	1000 - 1700	BYC Commodore's Cup Race	Bellingham Bay	Bellingham Yacht Club
8-Sep-12	0900 - 1100	Whidbey Adventure Swim	Whidbey Island	South Whidbey Island Masters
8-Sep-12	1530 - 1730	36th Annual Wooden Boat Festival Schooner Cup Race	Port Townsend	Port Townsend Sailing Association
8-Sep-12	1100 - 1700	STYC - Jack and Jill Race	Shilshole Bay	Sloop Tavern Yacht Club
8-Sep-12	0600 - 1400	Edmonds Coho Fishing Derby	Port of Edmonds Marina	Puget Sound Anglers Sno-King Chapter
8-Sep-12	0800 - 2200	Swim Across America Seattle	Lake Washington	Swim Across America Seattle
9-Sep-12	1100 - 1800	Snooze and Cruise C and D	Shilshole Bay, Meadow Pt	Seattle Yacht Club
9-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
9-Sep-12	0900 - 1700	Round the Rock Stand Up Paddle Race	Seward Park	Round the Rock Race
9-Sep-12	1200 - 1500	STYC Pink Boat Regatta	Shilshole Bay	Sloop Tavern Yacht Club
11-Sep-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
11-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
12-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
12-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
13-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
14-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
15-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
15-Sep-12	1000 - 1300	Sound Rowers' Budd Inlet Race	Olympia, WA	Sound Rowers
15-Sep-12	1000 - 1800	CYCT Point Beals Race	Browns Point/Beals Point	Corinthian Yacht Club of Tacoma
15-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
15-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
16-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
16-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
16-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club
16-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
18-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
20-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
21-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
22-Sep-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
22-Sep-12	1100 - 1900	Lake Fall Regatta	Lake Washington	Corinthian Yacht Club of Seattle
22-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
22-Sep-12	1130 - 1700	2012 Stimson Navigation Contest	Bainbridge Island	Seattle Yacht Club
23-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
23-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
23-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
26-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
27-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
29-Sep-12	1000 - 1500	Sound Rowers' Mercer Island Sausage Pull	Medina Park	Sound Rowers
29-Sep-12	1000 - 1700	BYC Marmetta Cup	Bellingham Bay	Bellingham Yacht Club
30-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
30-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
6-Oct-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
6-Oct-12	1000 - 1800	Foulweather Bluff Race	Edmonds	Corinthian Yacht Club of Edmonds
6-Oct-12	1000 - 1700	BYC Jack Island Race	Bellingham Bay	Bellingham Yacht Club
6-Oct-12	1100 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
7-Oct-12	1101 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	0700 - 1600	NXW Soundriders, Puget Sound SUP Race	Steilacoom, WA	Tacoma South Sound Sports
13-Oct-12	1000 - 1800	Command Point Race	Browns Point/Command Point	Corinthian Yacht Club of Tacoma
13-Oct-12	0700 - 1600	Long Lake Bass Tournament	Lake Washington	Long Lake Bass club
13-Oct-12	0900 - 1800	Raid San Juan	Anacortes/San Juan Islands	Anacortes Yacht Club
14-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
14-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
14-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
19-Oct-12	1000 - 1700	Pacific NW Regional Opti-Regatta	Shilshole Bay	Corinthian Yacht Club of Seattle
20-Oct-12	0900 - 1800	WSCYC Commodores' Cup Regatta	Port Orchard, Sinclair Inlet	WSCYC
20-Oct-12	1100 - 1400	Ruston Way OC-1/2 Relay	Tacoma	Pacific Northwest Outriggers Assoc
21-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
21-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
26-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
27-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
28-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
28-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
28-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle 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.

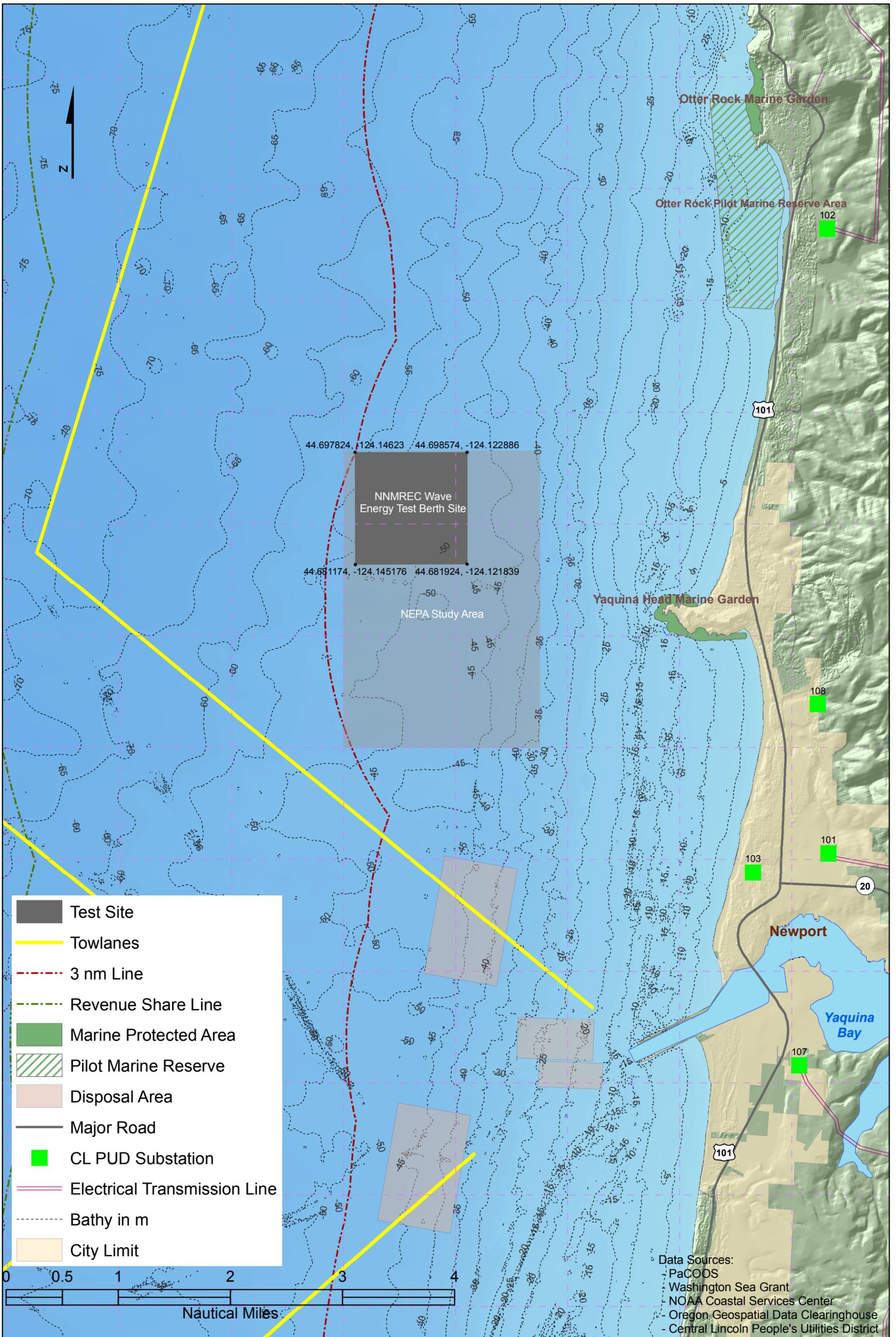
- Ice Harbor will attempt to provide the best possible conditions for navigation subject to all operating constraints and limitations.

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.

# NNMREC Wave Energy Test Berth Site Map



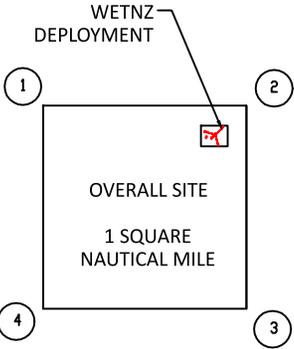
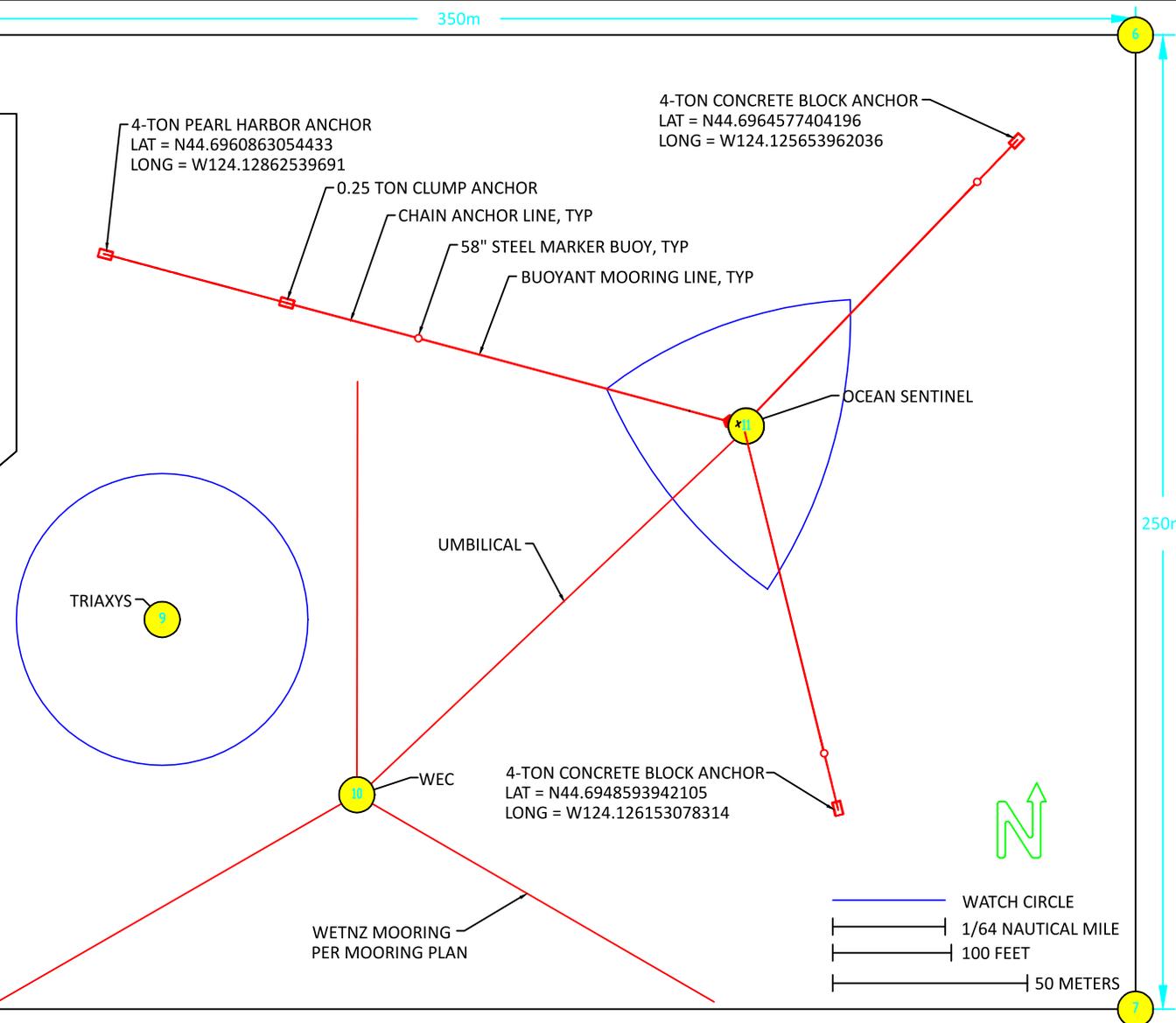
**NAVIGATIONAL LIGHTING & IDENTIFICATION NOTES**

**CORNER BUOYS / MARKER BUOYS:**

1. Yellow in Color / Yellow Light Reflective Tape
2. 58" Steel Marker Buoy:
  - Yellow Lighting, Yellow Light Reflective Tape
  - 4 Nautical Mile Visibility
  - Radar Reflectors on All
3. Corner Buoy Identification:
  - Yellow, FL 5 20s Lighting, 15 Flashes Per Minute
  - 3 Nautical Mile Visibility
  - Radar Reflectors on All
  - Flagging or Elevated Physical Identifier?

**EQUIPMENT:**

1. Yellow in Color / Yellow Light Reflective Tape
2. Equipment Identification:
  - Yellow, FL 5 20s Lighting
  - 15 Flashes Per Minute
  - 2-3 Nautical Mile Visibility
  - Radar Reflectors on All



No.	Description	Latitude*	Longitude*	Equipment
1	Northwest Overall Corner	N44.69782444900	W124.14623042100	None
2	Northeast Overall Corner	N44.69857399700	W124.12288514500	None
3	Southeast Overall Corner	N44.68192379500	W124.12183891000	None
4	Southwest Overall Corner	N44.68117442700	W124.14517645600	None
5	Northwest Site Corner	N44.6965437279605	W124.129707103938	Corner Marker Buoy
6	Northeast Site Corner	N44.6966863656804	W124.125292369785	Corner Marker Buoy
7	Southeast Site Corner	N44.6944370691977	W124.125160457274	Corner Marker Buoy
8	Southwest Site Corner	N44.6942945631421	W124.129562402532	Corner Marker Buoy
9	TriAXYS Buoy	N44.6952424893169	W124.128381824207	TriAXYS Device
10	WetNZ Device	N44.6948530701238	W124.127705345208	WetNZ Device
11	Ocean Sentinel Buoy	N44.6957472225033	W124.126498440211	Ocean Sentinel Buoy

\*LAMBERT CONFORMAL CONIC NAD83

DESIGNER SEAN MORAN, PE	QA REVIEWED BY STM	TEMPLATE # STANDARD
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. LINEAR TOLERANCES ARE: X ±0.1 X.X ±0.03 X.XX ±0.01 X.XXX ±0.003 ANGULAR TOLERANCES ARE: X.X ±0.1 X.XX ±0.05		NORTHWEST NATIONAL MARINE RENEWABLE ENERGY CENTER OREGON STATE UNIVERSITY
<b>MOBILE OCEAN TEST BERTH</b> <b>WETNZ NAVIGATIONAL LIGHTING &amp; MOORING PLAN</b>		
MATERIAL	SCALE NTS	DRAWN BY STM DATE 04/18/12
FINISH	Sheet	SIZE A DRAWING NUMBER WETNZ4 REV 04
ACAD FILE ..\CONTROLLED DOCUMENTS\ OSU WETNZ NAV LIGHT PLN	1 of 1	

Publication - National Ocean Service - U.S. Coast Pilot 7, covers the rugged United States coast of California, Oregon and Washington, between Mexico on the south and Canada's British Columbia on the north. Coast Pilot 7 also includes Hawaii and other United States territories in the South Pacific., 2012 (44th) Edition.

## Corrections

Appendix A, Paragraph 193 table, read:

Station	ID	Broadcast Schedule (UTC)
Kodiak	J	0130, 0530, 0930*, 1330, 1730, 2130*
Kodiak	X	0350, 0750, 1150*, 1550, 1950, 2350*
Astoria	W	0340*, 0740, 1140, 1540*, 1940, 2340
San Francisco	C	0020, 0420*, 0820, 1220, 1620*, 2020
Cambria	Q	0240*, 0640, 1040, 1440*, 1840, 2240
Guam	V	0330, 0730, 1130, 1530, 1930, 2330
Honolulu	O	0220, 0620, 1020*, 1420, 1820, 2220*

\*Routine weather forecasts are broadcast four times per day with these being the normal times when repeats of Notices to Mariners are broadcast in lieu of weather. Weather warnings may be broadcast at any time.

(L 1497-2012)