



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

## LOCAL NOTICE TO MARINERS

**District: 13**

**Week: 44/12**

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     | D13-1190-12   | D13-1232-12 |

### 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  
Fl - 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

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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### 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

### 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

### 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

### WASHINGTON – ROBINSON POINT DGPS – Off Air Planned

The USCG NAVCEN is proposing an off air date for Robinson Point, WA DGPS (887) for 14 Nov 12 from 0930 until 1130. An alternate date will be 15 Nov 12 from 0930 until 1130. The outage is needed for antenna maintenance. No loss of DGPS coverage is expected. For additional information or objections, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 42/12

### 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 encounter contact the Ice Harbor Control room immediately.

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

## SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

### DISCREPANCIES (FEDERAL AIDS)

| LLNR         | Aid Name  | Status                      | Chart No.    | BNM Ref.       | LNM St       | LNM End |
|--------------|---|-----------------------------|--------------|----------------|--------------|---------|
| 765.2        | DART Tsunami Warning Lighted Buoy 46407             | ADRIFT                      | 18007        | 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        |         |
| <b>10530</b> | <b>Cathlamet Channel Daybeacon 2</b>                | <b>LT EXT/DAYMK MISSING</b> | <b>18523</b> | <b>1235-12</b> | <b>44/12</b> |         |
| 10980        | Martin Island Middle Dike Light 65                  | STRUCT DMGD                 | 18524        | 1076-11        | 45/11        |         |
| <b>11410</b> | <b>Government Island Middle Range Rear Light</b>    | <b>LT EXT</b>               | <b>18531</b> | <b>1223-12</b> | <b>44/12</b> |         |
| 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        |         |
| 14430        | Baker Bay West Channel Daybeacon 6                  | DAYMK IMCH                  | 18521        | 1168-12        | 43/12        |         |
| <b>14435</b> | <b>Baker Bay West Channel Daybeacon 7</b>           | <b>DAYMK DMGD</b>           | <b>18521</b> | <b>1220-12</b> | <b>44/12</b> |         |
| <b>14720</b> | <b>Cathlamet Bay South Channel Light 2</b>          | <b>STRUCT DEST</b>          | <b>18521</b> | <b>1234-12</b> | <b>44/12</b> |         |
| 14978        | Toe Island Light 1                                  | STRUCT DMGD                 | 18528        | 0616-12        | 22/12        |         |
| 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        |         |
| 16975        | Puget Sound Traffic Separation Lane Lighted Buoy TA | REDUCED INT                 | 18474        | 1177-12        | 43/12        |         |
| <b>18520</b> | <b>Snohomish River Lighted Buoy 3</b>               | <b>LT EXT</b>               | <b>18444</b> | <b>1230-12</b> | <b>44/12</b> |         |
| 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 |
|-------|-----------------------|-------------------|-----------|----------|--------|---------|
| 10401 | Puget Island Light 43 | WATCHING PROPERLY | 18523     | 1210-12  | 44/12  | 44/12   |

|       |                                    |                   |       |         |       |       |
|-------|------------------------------------|-------------------|-------|---------|-------|-------|
| 11140 | Willow Lower Range Front Light     | REBUILT/REMAINS   | 18525 | 1192-12 | 25/12 | 44/12 |
| 11150 | Willow Dike Light 23               | RELIGHTED         | 18525 | 1211-12 | 44/12 | 44/12 |
| 11515 | Lady Island Upper Range Rear Light | WATCHING PROPERLY | 18531 | 1229-12 | 44/12 | 44/12 |
| 11620 | Cape Horn Range Rear Light         | WATCHING PROPERLY | 18531 | 1236-12 | 44/12 | 44/12 |
| 12875 | Lake Wallula Light 7               | RELIGHTED         | 18541 | 1212-12 | 44/12 | 44/12 |
| 16910 | Duwamish Head Light                | WATCHING PROPERLY | 18450 | 1226-12 | 44/12 | 44/12 |

**DISCREPANCIES (PRIVATE AIDS)**

| LLNR         | Aid Name                                    | Status        | Chart No.    | BNM Ref.       | LNM St       | LNM End |
|--------------|---|---------------|--------------|----------------|--------------|---------|
| <b>12390</b> | <b>John Day Dam Lower Guidewall Light 4</b> | <b>LT EXT</b> | <b>18535</b> | <b>1218-12</b> | <b>44/12</b> |         |
| 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 |
|------|----------|--------|-----------|----------|--------|---------|
|------|----------|--------|-----------|----------|--------|---------|

None

**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        |         |
| <b>10415</b> | <b>Bugby Hole Light 46</b>    | <b>TRLB</b>  | <b>18523</b> | <b>1216-12</b> | <b>44/12</b> |         |
| 10480        | Pancake Point Dike Light 59   | TRLT         | 18523        | No BNM         | 21/12        |         |
| 11770        | Bonneville Pool Light 4       | TRLB         | 18531        | 0909-10        | 38/10        |         |
| 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 |
|------|------------------|---------------|-----------|----------|--------|---------|
| 700  | North Head Light | Reestablished | 18521     | 1191-12  | 38/12  | 44/12   |

**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.

|              |                 |                  |                        |               |              |
|--------------|-----------------|------------------|------------------------|---------------|--------------|
| <b>18440</b> | <b>30th Ed.</b> | <b>01-OCT-10</b> | <b>Last LNM: 43/12</b> | <b>NAD 83</b> | <b>44/12</b> |
|--------------|-----------------|------------------|------------------------|---------------|--------------|

Chart Title: Puget Sound

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

|          |                     |                    |                |
|----------|---------------------|--------------------|----------------|
| RELOCATE | Port Ludlow Light 2 | CGD13              |                |
|          |                     | from 47-56-42.829N | 122-39-40.179W |
|          |                     | to 47-56-42.862N   | 122-39-40.015W |

|              |                 |                  |                        |               |              |
|--------------|-----------------|------------------|------------------------|---------------|--------------|
| <b>18441</b> | <b>47th Ed.</b> | <b>01-JUN-11</b> | <b>Last LNM: 29/12</b> | <b>NAD 83</b> | <b>44/12</b> |
|--------------|-----------------|------------------|------------------------|---------------|--------------|

Chart Title: Puget Sound-northern part

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

|          |                     |                    |                |
|----------|---------------------|--------------------|----------------|
| RELOCATE | Port Ludlow Light 2 | CGD13              |                |
|          |                     | from 47-56-42.829N | 122-39-40.179W |
|          |                     | to 47-56-42.862N   | 122-39-40.015W |
| RELOCATE | Port Ludlow Light 4 | CGD13              |                |
|          |                     | from 47-55-16.059N | 122-40-54.868W |
|          |                     | to 47-55-16.077N   | 122-40-54.669W |

|              |                 |                  |                        |               |              |
|--------------|-----------------|------------------|------------------------|---------------|--------------|
| <b>18445</b> | <b>34th Ed.</b> | <b>01-APR-12</b> | <b>Last LNM: 39/12</b> | <b>NAD 83</b> | <b>44/12</b> |
|--------------|-----------------|------------------|------------------------|---------------|--------------|

Chart Title: Puget Sound-Possession Sound to Olympia including Hood Canal

CHART WA - PUGET SOUND - POSSESSION SOUND TO OLYMPIA INCLUDING HOOD CANAL. Page/Side: N/A

|          |                     |                    |                |
|----------|---------------------|--------------------|----------------|
| RELOCATE | Port Ludlow Light 2 | CGD13              |                |
|          |                     | from 47-56-42.829N | 122-39-40.179W |
|          |                     | to 47-56-42.862N   | 122-39-40.015W |
| RELOCATE | Port Ludlow Light 4 | CGD13              |                |
|          |                     | from 47-55-16.059N | 122-40-54.868W |
|          |                     | to 47-55-16.077N   | 122-40-54.669W |

|              |                |                  |                        |               |              |
|--------------|----------------|------------------|------------------------|---------------|--------------|
| <b>18473</b> | <b>8th Ed.</b> | <b>01-SEP-05</b> | <b>Last LNM: 28/12</b> | <b>NAD 83</b> | <b>44/12</b> |
|--------------|----------------|------------------|------------------------|---------------|--------------|

Chart Title: Puget Sound-Oak Bay to Shilshole Bay

Main Panel 1937 OAK BAY TO SHILSHOLE BAY PUGET SOUND. Page/Side: N/A

|          |                     |                    |                |
|----------|---------------------|--------------------|----------------|
| RELOCATE | Port Ludlow Light 2 | CGD13              |                |
|          |                     | from 47-56-42.829N | 122-39-40.179W |
|          |                     | to 47-56-42.862N   | 122-39-40.015W |
| RELOCATE | Port Ludlow Light 4 | CGD13              |                |
|          |                     | from 47-55-16.059N | 122-40-54.868W |
|          |                     | to 47-55-16.077N   | 122-40-54.669W |

|  |   |                  |                        |   |                                  |
|--|---|------------------|------------------------|---|----------------------------------|
| <b>18477</b>   | <b>5th Ed.</b>  | <b>25-AUG-01</b> | <b>Last LNM: 24/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Puget Sound-Entrance to Hood Canal</i>                                    |   |                  |                        |   |                                  |
| <b>Main Panel 1938 PUGET SOUND - ENTRANCE TO HOOD CANAL. Page/Side: N/A</b>              |   |                  |                        |   |                                  |
| RELOCATE   | Port Ludlow Light 2   |                  |                        | CGD13<br>from 47-56-42.829N<br>to 47-56-42.862N | 122-39-40.179W<br>122-39-40.015W |
| RELOCATE   | Port Ludlow Light 4   |                  |                        | CGD13<br>from 47-55-16.059N<br>to 47-55-16.077N | 122-40-54.868W<br>122-40-54.669W |
| <b>18520</b>   | <b>27th Ed.</b>   | <b>01-MAY-09</b> | <b>Last LNM: 29/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Yaquina Head to Columbia River;Netarts Bay</i>                            |   |                  |                        |   |                                  |
| <b>Main Panel 1735 YAQUINA HEAD TO COLUMBIA R. Page/Side: N/A</b>                        |   |                  |                        |   |                                  |
| ADD  | Disposal Area F PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175)   |                  |                        | NOS<br>44-38-17.980N                            | 124-07-25.950W                   |
| ADD  | Disposal Area F PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175)   |                  |                        | NOS<br>44-38-12.860N                            | 124-06-31.100W                   |
| ADD  | Disposal Area F PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175)   |                  |                        | NOS<br>44-37-09.220N                            | 124-06-42.730W                   |
| ADD  | Disposal Area F PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175)   |                  |                        | NOS<br>44-37-14.330N                            | 124-07-37.570W                   |
| ADD  | Disposal area label: Disposal Area Depths from survey of 2012 (NOS NW-22175)      |                  |                        | NOS<br>44-37-45.000N                            | 124-07-00.000W                   |
| <b>18524</b>   | <b>37th Ed.</b>   | <b>01-JUN-11</b> | <b>Last LNM: 43/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Columbia River Crims Island to Saint Helens</i>                           |   |                  |                        |   |                                  |
| <b>CHART OR-WA-COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS. Page/Side: N/A</b>           |   |                  |                        |   |                                  |
| CHANGE   | Fisher Island Light 7<br>Nominal Range from 5 M to 4 M.                           |                  |                        | CGD13<br>at 46-09-34.421N                       | 123-03-45.844W                   |
| <b>Main Panel 1740 COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS. Page/Side: N/A</b>       |   |                  |                        |   |                                  |
| CHANGE   | Depth Legend - Lord Island - to:; 35 FT JAN 2012 (NOS NW-21615)                   |                  |                        | NOS<br>46-07-45.000N                            | 122-59-40.000W                   |
| <b>18525</b>   | <b>37th Ed.</b>   | <b>01-JUN-12</b> | <b>Last LNM: 43/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Columbia River Saint Helens to Vancouver</i>                              |   |                  |                        |   |                                  |
| <b>Main Panel 1742 COLUMBIA RIVER SAINT HELENS TO VANCOUVER. Page/Side: N/A</b>          |   |                  |                        |   |                                  |
| RELOCATE   | North Portland Harbor East End Range Front Light<br>and Change height to 34 feet. |                  |                        | CGD13<br>from 45-36-04.080N<br>to 45-36-04.154N | 122-38-31.380W<br>122-38-31.244W |
| RELOCATE   | North Portland Harbor East End Range Rear Light<br>and Change height to 54 feet.  |                  |                        | CGD13<br>from 45-36-02.919N<br>to 45-36-02.917N | 122-38-34.387W<br>122-38-34.378W |
| <b>18526</b>   | <b>60th Ed.</b>   | <b>01-JUN-12</b> | <b>Last LNM: 43/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Port of Portland, Including Vancouver;Multnomah Channel-southern part</i> |   |                  |                        |   |                                  |
| <b>CHART OR - PORT OF PORTLAND, INCLUDING VANCOUVER. Page/Side: N/A</b>                  |   |                  |                        |   |                                  |
| RELOCATE   | North Portland Harbor East End Range Rear Light<br>and Change height to 54 feet.  |                  |                        | CGD13<br>from 45-36-02.919N<br>to 45-36-02.917N | 122-38-34.387W<br>122-38-34.378W |
| <b>18531</b>   | <b>23rd Ed.</b>   | <b>01-JUN-12</b> | <b>Last LNM: 43/12</b> | <b>NAD 83</b>                                   | <b>44/12</b>                     |
| <i>ChartTitle: Columbia River Vancouver to Bonneville; Bonneville Dam</i>                |   |                  |                        |   |                                  |
| <b>CHART OR &amp; WA - COLUMBIA RIVER - VANCOUVER TO BONNEVILLE. Page/Side: N/A</b>      |   |                  |                        |   |                                  |
| RELOCATE   | Airport Bar Range Rear Light<br>and Change height to 51 feet.                     |                  |                        | CGD13<br>from 45-35-59.700N<br>to 45-35-59.799N | 122-33-24.900W<br>122-33-24.841W |
| RELOCATE   | Fisher Quarry Channel Range Front Light<br>and Change height to 39 feet.          |                  |                        | CGD13<br>from 45-34-37.766N<br>to 45-34-37.758N | 122-28-05.477W<br>122-28-05.454W |

|          |  |   |                                  |
|----------|--|---|----------------------------------|
| RELOCATE | Fisher Quarry Channel Range Rear Light and Change height to 59 feet.           | CGD13<br>from 45-34-34.916N<br>to 45-34-34.909N | 122-27-54.669W<br>122-27-54.710W |
| RELOCATE | Government Island Lower Range Front Light and Change height to 41 feet.        | CGD13<br>from 45-34-50.569N<br>to 45-34-50.564N | 122-29-55.891W<br>122-29-55.881W |
| RELOCATE | Government Island Lower Range Rear Light and Change height to 60 feet.         | CGD13<br>from 45-34-45.606N<br>to 45-34-45.603N | 122-29-40.544W<br>122-29-40.536W |
| RELOCATE | Government Island Middle Range Front Light                                     | CGD13<br>from 45-35-14.380N<br>to 45-35-14.386N | 122-31-54.829W<br>122-31-54.884W |
| RELOCATE | Government Island Middle Range Rear Light                                      | CGD13<br>from 45-35-15.426N<br>to 45-35-15.393N | 122-32-05.273W<br>122-32-05.223W |
| RELOCATE | North Portland Harbor East End Range Front Light and Change height to 34 feet. | CGD13<br>from 45-36-04.080N<br>to 45-36-04.154N | 122-38-31.380W<br>122-38-31.244W |
| RELOCATE | North Portland Harbor East End Range Rear Light and Change height to 54 feet.  | CGD13<br>from 45-36-02.919N<br>to 45-36-02.917N | 122-38-34.387W<br>122-38-34.378W |
| RELOCATE | Warrendale Upper Range Front Light and Change height to 52 feet.               | CGD13<br>from 45-36-51.540N<br>to 45-36-51.726N | 122-00-34.680W<br>122-00-34.905W |
| RELOCATE | Warrendale Upper Range Rear Light and Change height to 66 feet.                | CGD13<br>from 45-36-49.020N<br>to 45-36-48.722N | 122-00-44.520W<br>122-00-44.341W |
| CHANGE   | Airport Bar Range Front Light Height to 38 feet.                               | CGD13<br>at 45-36-00.524N                       | 122-33-38.778W                   |

**18532**      **21st Ed.**      **01-MAY-06**      **Last LNM: 32/12**      **NAD 83**

**44/12**

*ChartTitle: Columbia River Bonneville To The Dalles; The Dalles; Hood River*

**CHART OR - WA - BONNEVILLE TO THE DALLES. Page/Side: N/A**

|          |   |   |                                  |
|----------|---|---|----------------------------------|
| RELOCATE | Cascade Rapids Lower Range Front Light 8 and Change height to 24 feet.  | CGD14<br>from 45-39-32.716N<br>to 45-39-32.711N | 121-54-02.093W<br>121-54-02.087W |
| RELOCATE | Cascade Rapids Lower Range Rear Light and Change height to 69 feet.     | CGD13<br>from 45-39-29.160N<br>to 45-39-29.096N | 121-54-01.800W<br>121-54-01.759W |
| RELOCATE | Cascade Rapids Upper Range Front Light 15 and Change height to 29 feet. | CGD13<br>from 45-41-18.380N<br>to 45-41-18.377N | 121-53-06.639W<br>121-53-06.633W |
| RELOCATE | Cascade Rapids Upper Range Rear Light                                   | CGD13<br>from 45-41-29.238N<br>to 45-41-29.231N | 121-52-57.207W<br>121-52-57.234W |

**18545**      **15th Ed.**      **01-SEP-03**      **Last LNM: 25/12**      **NAD 83**

**44/12**

*ChartTitle: Lake Sacajawea*

**Main Panel 1771 SNAKE RIVER LAKE SACAJAWEA SIDE A. Page/Side: A**

|            |  |                      |                |
|------------|--|----------------------|----------------|
| DELETE     | Sounding in Feet; 13 (NOS NW-22198)  | NOS<br>46-15-01.230N | 118-53-20.310W |
| DELETE     | Sounding in Feet; 16 (NOS NW-22198)  | NOS<br>46-14-58.850N | 118-53-30.020W |
| DELETE     | Sounding in Feet; 16 (NOS NW-22198)  | NOS<br>46-14-59.380N | 118-53-23.650W |
| DELETE     | Sounding in Feet; 17 (NOS NW-22198)  | NOS<br>46-14-56.070N | 118-53-47.300W |
| DELETE     | Sounding in Feet; 18 (NOS NW-22198)  | NOS<br>46-15-01.910N | 118-53-14.020W |
| SUBSTITUTE | Sounding in Feet; 19 for 17 (NOS NW-22198)   | NOS<br>46-14-53.750N | 118-53-54.860W |
| SUBSTITUTE | Sounding in Feet; 19 for 20 (NOS NW-22198)   | NOS<br>46-15-02.730N | 118-53-07.130W |
| SUBSTITUTE | Sounding in Feet; 20 for 18 (NOS NW-22198)   | NOS<br>46-14-57.250N | 118-53-38.080W |
| ADD        | Ice Harbor Cut Project Depth Note; The project depth of 14 ft is based on the minimum operating pool elevation of 335 ft. (NOS NW-22198) | NOS<br>46-14-30.670N | 118-56-31.940W |
| ADD        | Piles Chart No. 1: F22 (NOS NW-22198)  | NOS<br>46-14-59.500N | 118-53-14.900W |

|     |                   |                                 |                      |                |
|-----|-------------------|---------------------------------|----------------------|----------------|
| ADD | Piles             | Chart No. 1: F22 (NOS NW-22198) | NOS<br>46-14-59.780N | 118-53-13.410W |
| ADD | Piles             | Chart No. 1: F22 (NOS NW-22198) | NOS<br>46-15-00.090N | 118-53-11.740W |
| ADD | Piles             | Chart No. 1: F22 (NOS NW-22198) | NOS<br>46-15-00.340N | 118-53-10.100W |
| ADD | Sounding in Feet; | 22 (NOS NW-22198)               | NOS<br>46-15-00.940N | 118-53-19.180W |

**18561**                    **13th Ed.**                    **01-DEC-11**                    **Last LNM: 39/12**                    **NAD 83**                    **44/12**

*ChartTitle: Approaches to Yaquina Bay;Depoe Bay*

**Main Panel 1789 APPROACHES TO YAQUINA BAY. Page/Side: N/A**

|     |   |                      |                |
|-----|---|----------------------|----------------|
| ADD | Disposal Area G PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-17.980N | 124-07-25.950W |
| ADD | Disposal Area G PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-12.860N | 124-06-31.100W |
| ADD | Disposal Area G PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-09.220N | 124-06-42.730W |
| ADD | Disposal Area G PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-14.330N | 124-07-37.570W |
| ADD | Disposal Area H PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-36-04.500N | 124-07-52.660W |
| ADD | Disposal Area H PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-35-59.390N | 124-06-57.840W |
| ADD | Disposal Area H PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-34-55.750N | 124-07-09.470W |
| ADD | Disposal Area H PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-35-00.850N | 124-08-04.270W |
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175)    | NOS<br>44-35-33.000N | 124-07-23.000W |
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175)    | NOS<br>44-37-45.000N | 124-07-00.000W |

**18580**                    **22nd Ed.**                    **01-DEC-05**                    **Last LNM: 29/12**                    **NAD 83**                    **44/12**

*ChartTitle: Cape Blanco to Yaquina Head*

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

|     |   |                      |                |
|-----|---|----------------------|----------------|
| ADD | Disposal Area I PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-17.980N | 124-07-25.950W |
| ADD | Disposal Area I PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-12.860N | 124-06-31.100W |
| ADD | Disposal Area I PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-09.220N | 124-06-42.730W |
| ADD | Disposal Area I PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-14.330N | 124-07-37.570W |
| ADD | Disposal Area J PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-36-04.500N | 124-07-52.660W |
| ADD | Disposal Area J PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-35-59.390N | 124-06-57.840W |
| ADD | Disposal Area J PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-34-55.750N | 124-07-09.470W |
| ADD | Disposal Area J PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-35-00.850N | 124-08-04.270W |
|     |   | NOS                  |                |

|     |  |                      |                |
|-----|--|----------------------|----------------|
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175) | 44-35-33.000N        | 124-07-23.000W |
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175) | NOS<br>44-37-45.000N | 124-07-00.000W |

**18581      19th Ed.      01-OCT-11      Last LNM: 41/12      NAD 83      44/12**

*ChartTitle: Yaquina Bay and River;Continuation of Yaquina River*

**Main Panel 1792 YAQUINA BAY AND RIVER. Page/Side: N/A**

|     |   |                      |                |
|-----|---|----------------------|----------------|
| ADD | Disposal Area K PT 1 OF 5; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-04.400N | 124-07-28.400W |
| ADD | Disposal Area K PT 2 OF 5; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-17.980N | 124-07-25.950W |
| ADD | Disposal Area K PT 3 OF 5; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-38-12.860N | 124-06-31.100W |
| ADD | Disposal Area K PT 4 OF 5; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-09.220N | 124-06-42.730W |
| ADD | Disposal Area K PT 5 OF 5; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-37-13.500N | 124-07-28.400W |
| ADD | Disposal Area L PT 1 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-36-02.300N | 124-07-28.400W |
| ADD | Disposal Area L PT 2 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-35-59.390N | 124-06-57.840W |
| ADD | Disposal Area L PT 3 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-34-55.750N | 124-07-09.470W |
| ADD | Disposal Area L PT 4 OF 4; Disposal Area (use Chart No. 1: N1.1) (NOS NW-22175) | NOS<br>44-34-57.500N | 124-07-28.400W |
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175)    | NOS<br>44-35-33.000N | 124-07-23.000W |
| ADD | Disposal area label; Disposal Area Depths from survey of 2012 (NOS NW-22175)    | NOS<br>44-37-45.000N | 124-07-00.000W |

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**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                       |                     |                 |

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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.

**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  |
| 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 |

**BRIDGE LIGHTING DISCREPANCIES**

|                    |                         |                 |                     |          |         |
|--------------------|-------------------------|-----------------|---------------------|----------|---------|
| 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 |
| Columbia River     | SR-12 Blue Bridge       | Kennewick, WA   | R Pier LT EXT       | 08/22/12 | 0956-12 |
| Puget Sound        | Tacoma Narrows Bridge   | Tacoma, WA      | EXT                 | 08/25/12 | 0969-12 |
| Duwamish Waterway  | West Seattle Bridge     | Seattle, WA     | SW LT EXT           | 08/25/12 | 0970-12 |
| 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 |

LNM: 44/12

**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 |
| Lake Union       | University Bridge        | Seattle, WA     | North Guide Wall LT EXT | 10/19/12      | 1176-12 |
| Columbia River   | Lewis and Clark Bridge   | Longview, WA    | EXT                     | 10/23/12      | 1233-12 |
| Willamette River | Newberg Bridge           | Newberg, OR     | Pier LTS EXT            | 10/23/12      | No BNM  |
| Willamette River | Wilsonville Bridge (1-5) | 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: 44/12

**BRIDGE LIGHTING DISCREPANCIES CORRECTED**

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

|                |                         |              |
|----------------|-------------------------|--------------|
| Snake River    | BNSF RR Bridge          | Burbank, WA  |
| Columbia River | BNSF RR Bridge          | Pasco, WA    |
| Columbia River | McNary Dam Locks Bridge | Umatilla, WA |

LNM: 44/12

**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 RAILWAY BASCULE BRIDGE – Special Bridge Notice**

The USCG has issued a deviation to the operation of the BNSF Railway Bridge across the Lake Washington Ship Canal, mile 0.1 (Ballard). This deviation is necessary to accommodate bridge maintenance. The deviation allows the BNSF Railway Drawbridge to remain in the closed position and need not open for maritime traffic for a 12 day period from 0700, 07 Nov 12 through 1700, 18 Nov 12. The closure time frame will coincide with the closure of the Hiram M. Chittenden large lock at Ballard. 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 18447

LNM: 37/12

**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

**OREGON – REEDSPORT – Temporary Buoy**

A temporary lighted yellow buoy flashing yellow every 4 seconds (FI 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@bergeson-const.com](mailto:gmorrill@bergeson-const.com), or visit [www.bergeson-const.com](http://www.bergeson-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 – 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](mailto: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

**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.

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

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 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

**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.

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

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 – LAKE WASHINGTON SHIP CANAL – HIRAM M. CHITTENDEN LOCKS – Large Lock Closure**

The Hiram M. Chittenden large lock will be closed for an annual inspection and repairs at 0900 on 06 Nov 12. The planned reopening is scheduled for 1700 on 20 Nov 12. Any questions should be referred to Mr. David Carpenter, Navigation Supervisor at (206) 789-2622 ext. 202, or the Lockmaster on duty at (206) 783-7000.

Chart 18447

LNM: 35/12

**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 – ELLIOTT BAY – DUWAMISH WATERWAY – Bridge Construction through Feb 2013 (Revised from LNM 29/12)**

Construction work will continue in the vicinity of the South Park Bridge on the Duwamish Waterway through the month of Feb 2013. 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 (local): 01 Nov 12, 0700 to 1900.

Chart 18450

LNM: 38/12

**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

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

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

**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)<br>No.   | (2)<br>Name and Location   | (3)<br>Position                 | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure                                     | (8)<br>Remarks   |
|--------------|--|---------------------------------|-----------------------|---------------|--------------|--|--|
| 760<br>16145 | Cape Flattery Light  | 48-23-30.676N<br>124-44-13.342W | Fl (2)W 20s           | 165           | 14           | On skeleton tower.<br>35                             | 44/12  |
| 10725        | FISHER ISLAND LIGHT 7  | 46-09-34.421N<br>123-03-45.844W | Fl G 4s               | 13            | 4            | SG on multi-pile<br>structure.                       | 44/12  |
| 11150        | WILLOW DIKE LIGHT 23   | 45-43-57.973N<br>122-45-27.813W | Fl G 2.5s             | 27            | 4            | SG on pile.  | 44/12  |
| 11280        | NORTH PORTLAND<br>HARBOR EAST END<br>RANGE FRONT LIGHT   | 45-36-04.154N<br>122-38-31.244W | Q R                   | 34            |              | KRB on multi-pile<br>structure.                      | Visible all around; higher<br>intensity on rangeline. 44/12  |
| 11285        | NORTH PORTLAND<br>HARBOR EAST END<br>RANGE REAR LIGHT<br>85 yards, 240.6° from<br>front light. | 45-36-02.917N<br>122-38-34.378W | Iso R 6s              | 54            |              | KRB on pile.   | Visible all around; higher<br>intensity on rangeline. 44/12  |
| 11307        | AIRPORT BAR RANGE<br>FRONT LIGHT   | 45-36-00.524N<br>122-33-38.778W | Q G                   | 38            |              | KRW on skeleton<br>tower on multi-pile<br>structure. | Visible all around; higher<br>intensity on range line. 44/12 |
| 11308        | AIRPORT BAR RANGE<br>REAR LIGHT<br>216 yards, 096.5°<br>from front light.                      | 45-35-59.799N<br>122-33-24.841W | Iso G 6s              | 51            |              | KRW on skeleton<br>tower on multi-pile<br>structure. | Visible 4° each side of<br>rangeline. 44/12                  |
| 11405        | GOVERNMENT ISLAND<br>MIDDLE RANGE FRONT<br>LIGHT   | 45-35-14.386N<br>122-31-54.884W | Q R                   | 40            |              | KRB on multi-pile<br>structure.                      | Visible all around; higher<br>intensity on rangeline. 44/12  |
| 11410        | GOVERNMENT ISLAND<br>MIDDLE RANGE REAR<br>LIGHT<br>247 yards, 277.9°<br>from front light.      | 45-35-15.393N<br>122-32-05.223W | Iso R 6s              | 53            |              | KRB on multi-pile<br>structure.                      | Visible 4° each side of<br>rangeline. 44/12                  |

## SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

| (1)<br>No.   | (2)<br>Name and Location   | (3)<br>Position                 | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure   | (8)<br>Remarks  |       |
|--------------|--|---------------------------------|-----------------------|---------------|--------------|--|---|-------|
| 11415        | GOVERNMENT ISLAND<br>LOWER RANGE FRONT<br>LIGHT  | 45-34-50.564N<br>122-29-55.881W | Q R                   | 41            |              | KRW on multi-pile<br>structure.                          | Visible 4° each side of<br>rangeline.                 | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11420        | GOVERNMENT ISLAND<br>LOWER RANGE REAR<br>LIGHT<br>401 yards, 114.7°<br>from front light. | 45-34-45.603N<br>122-29-40.536W | Iso R 6s              | 60            |              | KRW on skeleton<br>tower.                                | Visible 4° each side of<br>rangeline.                 | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11430        | FISHER QUARRY<br>CHANNEL RANGE FRONT<br>LIGHT  | 45-34-37.758N<br>122-28-05.454W | Q G                   | 39            |              | KRB on multi-pile<br>structure.                          | Visible all around; higher<br>intensity on rangeline. | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11435        | FISHER QUARRY<br>CHANNEL RANGE REAR<br>LIGHT<br>272 yards, 110.7°<br>from front light.   | 45-34-34.909N<br>122-27-54.710W | Iso G 6s              | 59            |              | KRB on skeleton<br>tower.                                | Visible 4° each side of<br>rangeline.                 | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11730        | WARRENDALE UPPER<br>RANGE FRONT LIGHT  | 45-36-51.726N<br>122-00-34.905W | Q W                   | 52            |              | KRB on skeleton<br>tower.                                | Visible all around; higher<br>intensity on rangeline. | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11735        | WARRENDALE UPPER<br>RANGE REAR LIGHT<br>246 yards, 245.6°<br>from front light.           | 45-36-48.722N<br>122-00-44.341W | Iso W 6s              | 66            |              | KRB on skeleton<br>tower.                                | Visible 14° each side of<br>range line.               | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11795        | CASCADE RAPIDS<br>LOWER RANGE FRONT<br>LIGHT 8   | 45-39-32.711N<br>121-54-02.087W | Q W                   | 24            |              | KRB on skeleton<br>tower, TR oriented<br>down channel.   | Visible all around; higher<br>intensity on rangeline. | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11800        | CASCADE RAPIDS<br>LOWER RANGE REAR<br>LIGHT<br>122 yards, 176.3°<br>from front light.    | 45-39-29.096N<br>121-54-01.759W | Iso W 6s              | 69            |              | KRB on skeleton<br>tower.                                | Visible 14° each side of<br>rangeline.                | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11805        | CASCADE RAPIDS UPPER<br>RANGE FRONT LIGHT 15   | 45-41-18.377N<br>121-53-06.633W | Q G                   | 29            |              | KRB on multi-pile<br>structure, SG<br>oriented upstream. | Visible all around; higher<br>intensity on rangeline. | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 11810        | CASCADE RAPIDS UPPER<br>RANGE REAR LIGHT<br>429 yards, 031.3°<br>from front light.       | 45-41-29.231N<br>121-52-57.234W | Iso G 6s              | 48            |              | KRB on skeleton<br>tower.                                | Visible all around; higher<br>intensity on rangeline. | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 14835        | SAUVIE ISLAND<br>JUNCTION LIGHT  | 45-51-39.426N<br>122-47-26.754W | FI (2+1)R 6s          | 35            | 3            | JR on multi-pile<br>structure.                           |   | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |
| 16145<br>760 | Cape Flattery Light  | 48-23-30.676N<br>124-44-13.342W | FI (2)W 20s           | 165           | 14           | On skeleton tower.<br>35                                 |   | 44/12 |
|              |  | *                               |                       | *             |              | *  |   |       |

## SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

| (1)<br>No. | (2)<br>Name and Location | (3)<br>Position                 | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure            | (8)<br>Remarks |
|------------|--------------------------|---------------------------------|-----------------------|---------------|--------------|-----------------------------|----------------|
| 17705      | PORT LUDLOW LIGHT 2      | 47-56-42.862N<br>122-39-40.015W | FI R 2.5s             | 15            | 3            | TR on pile structure.       | 44/12          |
|            |                          | *                               |                       |               |              |                             |                |
| 17710      | PORT LUDLOW LIGHT 4      | 47-55-16.077N<br>122-40-54.669W | Q R                   | 15            | 3            | TR on multi-pile structure. | 44/12          |
|            |                          | *                               |                       |               |              | *                           |                |

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**PUBLICATION CORRECTIONS**


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None

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**ENCLOSURES**


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**Enclosure 1**

OREGON - WASHINGTON - COLUMBIA RIVER - Dredging Operations

LNM: 44/12

**Enclosure 2**

OREGON - PORTLAND and WASHINGTON - SEATTLE - Marine Events

LNM: 44/12

**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**

Safety and Security Zones

LNM: 44/12

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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   |
|------------|-----------|---------------------|--|--------------------|------------------------------------|------------------------------|-----------------------------------|-------|
| 30 Jul 12  | 30 Nov 12 | Mon-Sat<br>24 Hours | Willapa Bay, WA<br>(IVO Entrance Light 13)                 | Ross Island<br>7   | None                               | 13,16 and<br>79 VHF-<br>FM   | Grave Yard Spit                   | 29/12 |
| 15 Sep 12  | 15 Feb 13 | Mon-Sun<br>24 Hours | Possession Sound, WA<br>Gedney Island<br>Hat Island Marina | Whitehorse         | Western<br>Provider                | 13 and 16<br>VHF-FM          | Up land                           | 37/12 |
| 17 Sep 12  | 14 Feb 13 | Mon-Sun<br>24 Hours | Swinomish Channel  | Mukilteo           | Star Marine                        | 13 and 16<br>VHF-FM          | Rosario Strait<br>Open Water Site | 37/12 |
| 15 Oct 12  | 15 Feb 13 | Mon-Sun<br>24 Hours | Snohomish River<br>(RM 1.2 to 7)                           | Renegade           | Buccaneer                          | 16 and 79<br>VHF-FM          | Jetty Island                      | 37/12 |
| 24 Oct 12  | 23 Mar 13 | Mon-Sun<br>24 Hours | Columbia River<br>Bonneville Lock and Dam<br>(RM 146)      | Heidi<br>Renee     | Norton Bay                         | 14 and 16<br>VHF-FM          | Heidi Renee                       | 42/12 |
| 01 Nov 12  | 09 Dec 12 | Mon-Sun<br>24 Hours | Columbia River<br>Willow Bar Slough<br>(RM 94.5)           | MudCat             | Tug<br>Duchess B<br>and Sarah<br>B | 13, 16 and<br>79A VHF-<br>FM | Dredge piped<br>near shore        | 43/12 |
| 01 Nov 12  | 09 Dec 12 | Mon-Sun<br>24 Hours | Columbia River<br>Port of Vancouver<br>Berth 4             | JBT 14 /<br>JBT 16 | Tug<br>Duchess B<br>and Sarah<br>B | 13, 16 and<br>79A VHF-<br>FM | Service barges                    | 43/12 |
| 05 Nov 12  | 14 Feb 12 | Mon-Sun<br>24 Hours | Grays Harbor<br>Inner Harbor                               | Patriot            | Liberty and<br>Swan                | 13 and 16<br>VHF-FM          | South Jetty and<br>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<br>Willamette River<br>(RM 5.1)      | TBD           | TBD           | TBD                 | NWP-2012-302-2 |
| 2012       | 2012     | TBD   | Columbia River<br>Henrici Bar<br>(RM 90 to 93)    | Essayons      | TBD           | 13 and 16<br>VHF-FM | ESS-2012-12    |
| 2012       | 2012     | TBD   | Columbia River<br>St. Helens Bar<br>(RM 86 to 66) | Essayons      | TBD           | 13 and 16<br>VHF-FM | ESS-2012-12    |
| TBD        | TBD      | TBD   | Columbia River<br>Tongue Point<br>(RM 20 to 21)   | Essayons      | TBD           | 13 and 16<br>VHF-FM | ESS-2013-01    |
| 2012       | 2012     | TBD   | Umpqua River<br>Entrance<br>(RM 00 to 01)         | Yaquina       | TBD           | 13 and 16<br>VHF-FM | YAQ-2012-13    |
| 2012       | 2012     | TBD   | Umpqua River<br>Salmon Reach<br>(RM 01)           | Yaquina       | TBD           | 13 and 16<br>VHF-FM | YAQ-2012-13    |

|      |      |     |  |         |     |                     |                |
|------|------|-----|--|---------|-----|---------------------|----------------|
| 2012 | 2012 | TBD | Umpqua River<br>Barretts Range<br>(RM 04)                  | Yaquina | TBD | 13 and 16<br>VHF-FM | YAQ-2012-13    |
| TBD  | TBD  | TBD | Columbia River<br>Upper Martin Bar<br>(RM 80 to 83)        | Yaquina | TBD | 13 and 16<br>VHF-FM | YAQ-2013-02    |
| TBD  | TBD  | TBD | Columbia River<br>Stella-Fisher Bar<br>(RM 56 to 57)       | Yaquina | TBD | 13 and 16<br>VHF-FM | YAQ-2013-02    |
| TBD  | TBD  | TBD | Columbia River<br>Pillar Rock Ranges<br>(RM 28)            | Yaquina | TBD | 13 and 16<br>VHF-FM | YAQ-2013-02    |
| TBD  | TBD  | TBD | Columbia River<br>Flavel Bar/Astoria Turning Basin         | Yaquina | TBD | 13 and 16<br>VHF-FM | YAQ-2013-02    |
| TBD  | TBD  | TBD | Willamette River<br>Willamette Park Boat Ramp<br>(RM 15.8) | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2011-187   |
| TBD  | TBD  | TBD | Columbia River<br>Oregon Slough<br>(RM 06)                 | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2009-621-2 |
| TBD  | TBD  | TBD | Willamette River<br>Terminal 2<br>(RM 10)                  | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2007-240/2 |
| TBD  | TBD  | TBD | Willamette River<br>Terminal 4<br>(RM 4 to 5)              | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2007-240/2 |
| TBD  | TBD  | TBD | Willamette River<br>Terminal 5<br>(RM 1 to 2)              | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2007-240/2 |
| TBD  | TBD  | TBD | Columbia River<br>Terminal 6<br>(RM 102 to 104)            | TBD     | TBD | 13 and 16<br>VHF-FM | NWP-2007-240/2 |
| TBD  | TBD  | TBD | Willapa Bay, WA  | TBD     | TBD | 13 and 16<br>VHF-FM | NWS-2012-157   |

## SECTOR COLUMBIA RIVER MARINE EVENTS

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

## SECTOR PUGET SOUND MARINE EVENTS

| EVENT DATE | TIME        | EVENT NAME                                | EVENT LOCATION               | SPONSOR                          |
|------------|-------------|---|------------------------------|----------------------------------|
| 3-Nov-12   | 1820 - 2100 | Winter Series                             | Des Moines Marina            | Three Tree Point Yacht Club      |
| 3-Nov-12   | 1045 - 1500 | Rum Run                                   | Shilshole - Port Madison     | Duck Dodge Race Committee        |
| 4-Nov-12   | 1200 - 2230 | 2012 Race Season                          | Port Gardner Bay             | Milltown Sailing Association     |
| 10-Nov-12  | 1200 - 1800 | Turkey Bowl                               | Shilshole Bay                | Corinthian Yacht Club of Seattle |
| 10-Nov-12  | 0800 - 1800 | Round the County                          | San Juan Islands             | Orcas Island Yacht Club          |
| 11-Nov-12  | 1200 - 1800 | Turkey Bowl                               | Shilshole Bay                | Corinthian Yacht Club of Seattle |
| 11-Nov-12  | 0800 - 1800 | Round the County                          | San Juan Islands             | Orcas Island Yacht Club          |
| 17-Nov-12  | 1100 - 1600 | Snowbird Race #1, 2, 3, 4, 5              | Shilshole Bay                | Shilshole Bay Yacht Club         |
| 17-Nov-12  | 1830 - 2100 | Winter Series                             | Des Moines Marina            | Three Tree Point Yacht Club      |
| 17-Nov-12  | 0900 - 1800 | WSCYC Fowl Weather Regatta                | Port Orchard, Sinclair Inlet | WSCYC                            |
| 18-Nov-12  | 1200 - 2230 | 2012 Race Season                          | Port Gardner Bay             | Milltown Sailing Association     |
| 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.

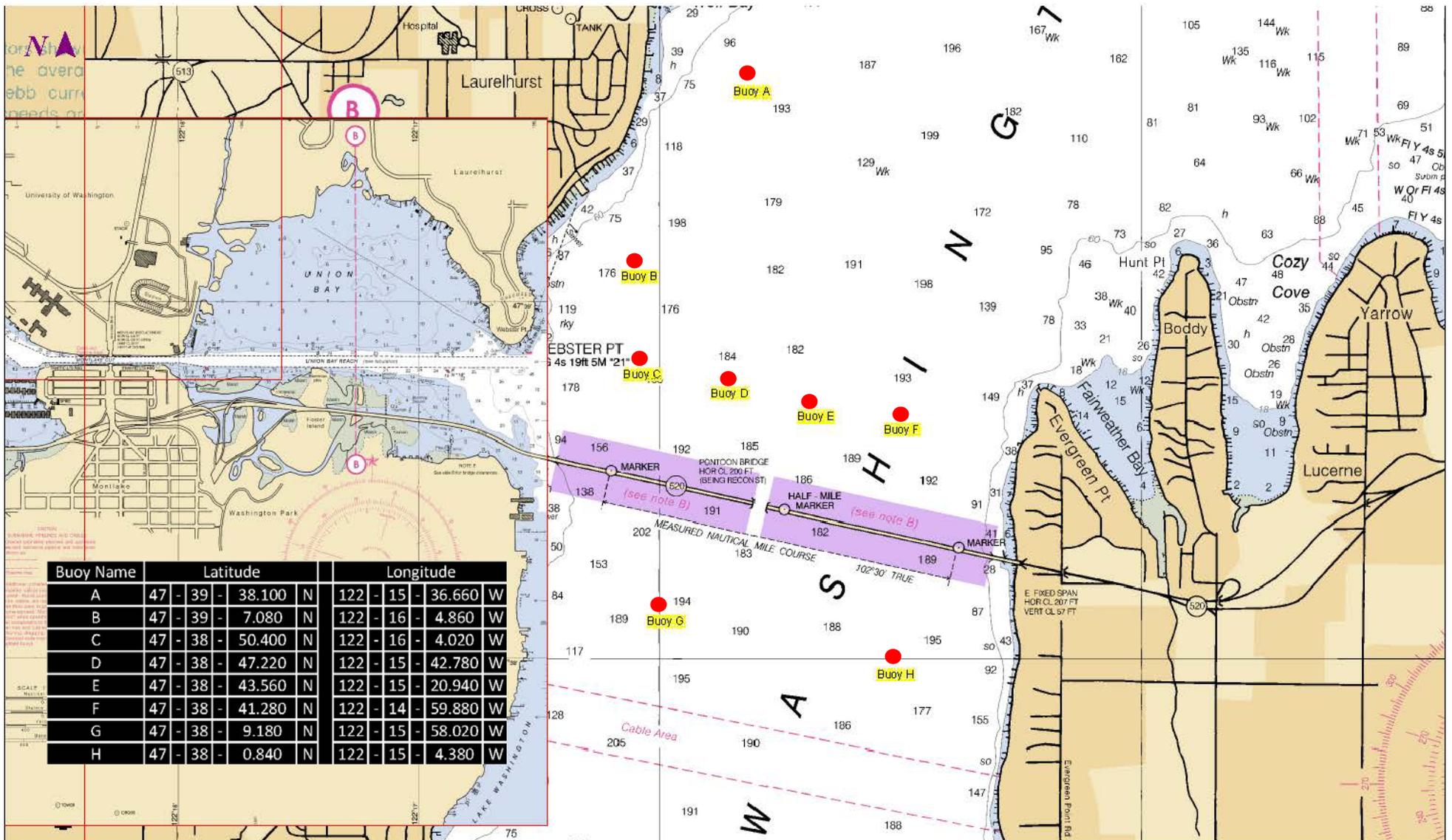
The most current 2011 survey of the area in question is located on the Walla Walla District Navigation website. Please reference sheet 10 of 10 of the most recent hydrographic surveys located here:

[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



DO NOT USE FOR NAVIGATION

## **SAFETY AND SECURITY ZONES**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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