



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

LOCAL NOTICE TO MARINERS

District: 13

Week: 32/12

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (dpw)
915 Second Avenue, 35th Floor, Rm 3510, Seattle, Washington 98174-1067
Telephone: (206) 220-7280 or 7285 FAX: (206) 220-7265
Email: D13-PF-LNM@uscg.mil
<http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=13>

LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2012 Edition

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

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

In addition, the NIS investigates all reports of degradation or loss of GPS or DGPS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil, 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	D13-0855-12	D13-0885-12

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
DBN/Dbn - Daybeacon
DBD/DAYBD - Dayboard
DEFAC - Defaced
DEST - Destroyed
DISCON - Discontinued
DMGD/DAMGD - Damaged
ec - eclipse
EST - Established Aid
ev - every
EVAL - Evaluation
EXT - Extinguished
F - Fixed
fl - flash
FI - Flashing

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LTR - Letter
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHz - Megahertz
MISS/MSNG - Missing
Mo - Morse Code
MSLD - Misleading
N/C - Not Charted
NGA - National Geospatial-Intelligence Agency
NO/NUM - Number
NOS - National Ocean Service

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
s - seconds
SEC - Section
SHL - Shoaling
si - silent
SIG - Signal
SND - Sound
SPM - Single Point Mooring Buoy
SS - Sound Signal
STA - Station
STRUCT - Structure
St M - Statute Mile
TEMP - Temporary Aid Change
TMK - Topmark

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

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

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

Additional Abbreviations Specific to this LNM Edition:

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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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

The Hiram M. Chittenden large and small locks will be closed to marine traffic from 0730 to 1300 on 23 Aug 12 for an inspection of the Adult Salmon Exclusion Structure. The structure is in place near the middle pier between the east entrances to both locks. Divers will be in the water during this time period, preventing lock operations. The only exception will be for emergency vessels (Seattle Fire Dept., Seattle Police and US Coast Guard) on an emergency call. 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: 32/12

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

Research and testing in the Bangor Naval Operations Area (Hood Canal and Dabob Bay) will be conducted from 0700 to 1800 daily during the month of August 2012. Testing will involve range support craft, with rotating red lights, moving test vehicles, and Navy divers. During diver support, the Code ALFHA flag will be flown as required. All mariners are requested to not approach within 300 yards of support craft and vehicles. VHF-FM marine Channel 16 will be monitored by all Keyport Range Craft participating in the operations. Questions can be directed to any operating Keyport Range Craft on marine VHF Channel 16 or by contacting the Pacific Northwest Range Management and Operations Division, Range Control Branch, Keyport, WA. at (360) 396-2313.

Charts: 18458 18477

LNM: 32/12

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

The USCG has issued a deviation to the operation of the Broadway Bridge across the Willamette River, at RM 11.7. This deviation allows the draw span of the Broadway Bridge across the Willamette River to remain in the closed position and need not open for maritime traffic from 0800 until 0900 on 9 Sep 12. The Broadway Bridge provides 90 feet of vertical clearance above Columbia River Datum 0.0 while in the closed position. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The draw span will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times.

Chart 18526

LNM: 32/12

SNAKE RIVER – LITTLE GOOSE POOL – Low River Flow Expected

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

Chart 18546

LNM: 31/12

OREGON – COAST – Oceanographic Research

Oceanographic research operations will be conducted in coastal waters within 200 NM of the Oregon coast during daylight hours on 10 Aug 12 on the R/V New Horizon. Operations will include deployment of plankton nets towed to depths of 450 feet at 1-3 kts at a distance of up to 200 yards astern, and deploy vertical casts with an instrument package to depths of 1500 feet, and deployment of an echo sounder towed to a depth of 450 feet at 4-6 kts at a distance of up to 200 yards astern. The R/V New Horizon will monitor VHF- FM Channels 13 and 16. The exact operation location will be determined based on prevailing conditions and will be within a 60 NM radius of 45-30-00N, 127-20-00W. Mariners are requested to keep a safe distance when in the vicinity of the research vessel. For more information contact Dr. Gareth Lawson (WHOI) at (617) 971-7148 or glawson@whoi.edu.

Chart 18003

LNM: 31/12

USCG NAVTEX BROADCAST TRANSMIT SCHEDULE CHANGE

Effective 1200 UTC 14 AUG 12, most USCG NAVTEX stations will readjust broadcast transmit schedules to conform to International Maritime Organization (IMO) guidelines. Broadcasts currently scheduled near this time may be interrupted or corrupted as these changes are being implemented. New broadcast schedules are as follows:

- Pacific
- Kodiak (East) [J] 0130, 0530, 0930, 1330, 1730, 2130 UTC;
- Kodiak (West) [X] 0350, 0750, 1150, 1550, 1950, 2250 UTC;
- Astoria [W] 0340, 0740, 1140, 1540, 1940, 2240 UTC;
- San Francisco [C] 0020, 0420, 0820, 1220, 1620, 2020 UTC;
- Cambria [Q] 0240, 0640, 1040, 1440, 1840, 2240 UTC;
- Honolulu [O] 0220, 0620, 1020, 1420, 1820, 2220 UTC;
- Guam [V] 0330, 0730, 1130, 1530, 1930, 2330 UTC.

LNM: 31/12

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

CHANGE TO ABBREVIATIONS

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

LNM: 31/12

OREGON – CAPE BLANCO TO YAQUINA HEAD – Deployment of Two Subsurface Oceanographic Instrument Moorings

Two subsurface oceanographic instrument moorings have been temporarily placed 4NM off of Reedsport, Or as of 23Jul12 in approximate positions: (AMAR #1) 43-45-48.200N, 124-14-12.836W; (AMAR #2) 43-48-04.860N, 124-13-48.814W. Both moorings sit in 187 feet of water and extend 35 feet above the seafloor. For more information, contact Mr. Xavier Mouy at (250) 483-3300, ext. 2009 or at Xavier.Mouy@jasco.com.

Chart 18580

LNM: 30/12

OREGON – APPROACHES TO YAQUINA BAY – Sunken Vessel

A sunken fishing vessel is currently resting on the north side of the Northern Jetty of the Yaquina Bay approach in approximate position 44-36-48.00N, 124-04-48.00W. The vessel sank at a charted depth of 18 feet. All vessels transiting in the area keep a sharp lookout and exercise caution.

Charts: 18561 18581

LNM: 30/12

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

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

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

- 08 Aug 12, 0700 to 1900;
- 01 Sep 12, 0700 to 1900;
- 06 Oct 12, 0700 to 1900;
- 25 Oct 12, 0700 to 1900.

Chart 18450

LNM: 29/12

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

The USCG has issued a deviation to the operation of the Lewis and Clark Drawbridge across the Lewis and Clark River, mile 1.0, at Astoria, OR. This deviation is necessary to accommodate roadway maintenance on the bridge. The deviation allows the Lewis and Clark Drawbridge to remain in the closed position and need not open for maritime traffic from 0700 on 29 Aug 12 through 1700 on 30 Aug 12. Vessels which do not

require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge must return to its regular operating schedule immediately at the end of the designated time period.

Chart 18521

LNM: 29/12

OREGON – WILLAMETTE RIVER – PORT OF PORTLAND – Special Bridge Notice

The following bridges crossing the Willamette River will be allowed to temporarily remain in the closed position on 12 Aug 12 to accommodate the annual Providence Bridge Pedal event: the Broadway Bridge, RM 11.7; the Burnside Bridge, RM 12.4; Morrison Bridge, RM 12.8; and the Hawthorne Bridge, RM 13.1, need not open for vessel traffic from 0500 until 1230 on 12 Aug 12. Vessels which do not require bridge openings may continue to transit beneath these bridges during the closure period. The bridges will be required to open, if needed, for vessels engaged in emergency response operations during this closure period.

Chart 18526

LNM: 29/12

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
590	NOAA Environmental Lighted Buoy 46015	MISSING	18580	No BNM	49/11	
641	NOAA Environmental Lighted Buoy 46050	OFF STA	18561	0564-11	23/11	
688	NOAA Environmental Lighted Buoy 46029	MISSING	18520	0375-12	13/12	
690	Columbia River Approach Lighted Whistle Buoy CR	RAC INOP	18521	0805-12	30/12	
765.2	DART Tsunami Warning Lighted Buoy 46407	ADRIFT	18007	0512-12	18/12	
765.4	DART Tsunami Warning Lighted Buoy 46404	MISSING	18007	0179-12	06/12	
765.7	DART Tsunami Warning Lighted Buoy 46419	MISSING	18007	0927-10	39/10	
10415	Bugby Hole Light 46	STRUCT DEST	18523	1156-11	25/11	
10480	Pancake Point Dike Light 59	STRUCT DEST	18523	0609-11	25/11	
10980	Martin Island Middle Dike Light 65	STRUCT DMGD	18524	1076-11	45/11	
11140	Willow Lower Range Front Light	DBN IMCH	18525	0695-12	25/12	
11475	Mcguire Island Middle Dike Light 34	DBN DEST/STRUCT DMGD	18531	0754-12	27/12	
11625	Candiana Light 69	LT IMCH	18531	0571-11	23/11	
11745	Moffetts Creek Light 92	REDUCED INT	18531	0680-12	25/12	
11770	Bonneville Pool Light 4	STRUCT DEST/LT EXT	18531	0905-10	37/10	
11855	Bonneville Pool Light 22	LT EXT	18532	0222-12	07/12	
14978	Toe Island Light 1	STRUCT DMGD	18528	0616-12	22/12	
15135	New Era Bar Range Front Daybeacon	DBN IMCH	18528	0723-11	30/11	
15140	New Era Bar Range Rear Daybeacon	DBN IMCH	18528	0724-11	30/11	
15550	Grays Harbor Entrance Lighted Whistle Buoy 2	LT EXT	18502	0870-12	32/12	
15585	Point Chehalis Range Front Light	DBN DEST	18502	1012-09	50/09	
15981	Point Chehalis Lighted Buoy 2	REDUCED INT	18502	0302-12	10/12	
19395	Belle Rock Sector Light	MSLD SIG	18429	0766-12	29/12	
19490	Peapod Rocks Light 15	DBN IMCH	18430	0797-11	34/11	
19855	Ewing Island Reef Danger Buoy	MISSING	18431	0585-12	21/12	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
665	Cape Kiwanda Bell Buoy CK	REBUILT/REMAINS	18520	0882-12	30/12	32/12

9265	Umpqua River Channel Range Front Light	WATCHING PROPERLY	18584	0858-12	31/12	32/12
11060	Warrior Rock Light	RELIGHTED	18525	0884-12	32/12	32/12
15640	Grays Harbor South Reach Lighted Buoy 17	RELIGHTED	18502	0864-12	31/12	32/12
18245	Union Bay Channel Buoy 15	RESET ON STATION	18447	0878-12	32/12	32/12
19965	Point Roberts Light	WATCHING PROPERLY	18421	0855-12	29/12	32/12

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
687	Seaside Data Lighted Buoy	MISSING	18520	0693-12	25/12	
15030	Oswego North Pier Light	LT EXT	18528	0843-12	31/12	
18350	Lake Washington Central Monitoring Lighted Buoy	LT IMCH	18447	0836-12	31/12	
19440	Shoal Bay Aquaculture Light	STRUCT MISSING	18430	0873-12	32/12	
19745	Pearl Island Pier Lights (2)	LT IMCH	18433	0874-12	32/12	
19755	Pearl Island Dock Light	LT IMCH	18433	0875-12	32/12	

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	
10415	Bugby Hole Light 46	TRLB	18523	1166-11	49/11	
10480	Pancake Point Dike Light 59	TRLT	18523	No BNM	21/12	
11770	Bonneville Pool Light 4	TRLB	18531	0909-10	38/10	
19395	Belle Rock Sector Light	TRLT	18429	0766-12	29/12	
19855	Ewing Island Reef Danger Buoy	TRUB	18431	0650-12	23/12	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10295	Jim Crow Lighted Buoy 19	Returned to Assigned Position	18523	0877-12	30/12	32/12

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
------	--------	----------	----------	--------	---------

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNLM St	LNLM 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.

Chart Number	Chart Edition	Edition Date	Last LNM	NAD	Page/Side
18532	21st Ed.	01-MAY-06	Last LNM: 26/12	NAD 83	32/12
<i>Chart Title: Columbia River Bonneville To The Dalles; The Dalles; Hood River</i>					
CHART OR - WA - BONNEVILLE TO THE DALLES. Page/Side: N/A					
DELETE	"Hood River Boat Basin DBN 1" at:			CGD13 45-42-59.938N	121-30-34.593W
ADD	"Piles" at:			CGD13 45-42-59.938N	121-30-34.593W

Chart Number	Chart Edition	Edition Date	Last LNM	NAD	Page/Side
18601	14th Ed.	01-FEB-07	Last LNM: 50/11	NAD 83	32/12
<i>Chart Title: Cape Sebastian to Humbug Mountain</i>					
Main Panel 1801 CAPE SEBASTIAN TO HUMBUG MOUNTAIN. Page/Side: N/A					
CHANGE	tabulation - ROGUE RIVER CHANNEL DEPTHS			NOS 42-28-25.000N	124-22-13.000W
	http://ocsddata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=221860 ;				
	tabulation - ROGUE RIVER CHANNEL DEPTHS (NOS NW-21848)				

Chart Number	Chart Edition	Edition Date	Last LNM	NAD	Page/Side
18602	13th Ed.	01-FEB-12	Last LNM: 23/12	NAD 83	32/12
<i>Chart Title: Pyramid Point to Cape Sebastian;Chetco Cove;Hunters Cove</i>					
Inset 1932 CHETCO COVE. Page/Side: N/A					
CHANGE	tabulation - CHETCO RIVER CHANNEL DEPTHS			NOS 42-02-55.000N	124-16-53.000W
	http://ocsddata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=221861 ;				
	tabulation - CHETCO RIVER CHANNEL DEPTHS (NOS NW-21847)				

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
----------------------------	----------------	-------------------	-----------------

None

Proposed Change Notice(s)

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

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

Chart 18525

LNM: 31/12

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
Willamette River	Wilsonville RR Bridge	Wilsonville, OR	EXT	07/14/12	No BNM
Columbia River	Kettle Falls Hwy Bridge	Kettle Falls, WA	EXT	07/18/12	No BNM
Columbia River	Lady Island Bridge	Camas, WA	EXT	08/05/12	No BNM

LNM: 32/12

BRIDGE LIGHTING DISCREPANCIES CORRECTED

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

Willamette River	Marquam Bridge (I-5)	Portland, OR
Cowlitz River	Harry Morgan Bridge	Longview, WA
Willamette River	Lewis and Clark Bridge	Longview, WA
Willamette River	Newberg Bridge	Newberg, OR
Lake Washington	I-90 Bridge	Seattle, WA
Siletz River	Kernville Bridge	Kernville, OR

LNM: 32/12

OREGON – YAQUINA BAY – Yaquina Bay Bridge paint and repair

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

Chart 18581

LNM: 13/11

COLUMBIA RIVER – Astoria Megler Bridge Painting

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

Chart 18521

LNM: 13/12

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

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

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

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

Chart 18526

LNM: 13/12

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 11 to Mar 15. A no wake zone is in effect within five hundred feet (500') of the bridge. Mariners are advised to use caution and slow to no wake at idle speed. The marked navigable channel at the bridge has been relocated. Mariners are cautioned to observe the temporary navigation buoys and bridge navigation lighting and comply with the exclusion established by both the buoys and signage.

Chart 18526

LNM: 47/11

WASHINGTON – PUGET SOUND – HOOD CANAL BRIDGE – Special Notice

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

Charts: 18473 18476 18477

LNM: 19/12

WASHINGTON – EVERETT – SNOHOMISH RIVER – Snohomish River Bridge

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

LNM: 27/12

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

The Coast Guard has revised the draw span operating schedule for the SR 520 Evergreen Point Floating Bridge. The east side navigation channel is currently completely closed or partially blocked during construction activity associated with the replacement bridge. Construction activities will continue in and around the east navigation channel for the duration of the bridge replacement project until approximately 30 Aug 15. Vessels which are impacted by the closure of the east channel that are not able to navigate through the west channel of the existing bridge may request an opening of the center draw span for passage. Boaters may request a draw span opening by calling WSDOT at (206) 440-4490. The draw of the Evergreen Point Floating Bridge between Seattle and Bellevue shall operate as follows (revised schedule):

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

Chart 18447

LNM: 27/12

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

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

Chart 18450

LNM: 02/12

OREGON – COAST – Cable Ship Operations

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

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

Chart 18003

LNM: 26/12

Heceta Head Lighthouse (LLNR 635) will be extinguished for approximately two years for the Heceta Head Lighthouse Restoration Project, that

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

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.

Chart 18580

LNM: 03/12

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.

- | 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 – TENASILLAHE ISLAND – Temporary Acoustic Research Buoys

The Columbia River Inter Tribal Fish Commission will be setting four research buoys IVO Tenasillahe Island near RM 35 from 25-29 Jun 12 until Oct 2012. The buoys are unlighted foam fluorescent orange and size 1.5 ft by 6 inch diameter, and labeled "CRITFC". An additional salmon red inflatable buoy is attached to help distinguish from other recreational buoys. These buoys have an attached Vemco VR-2W receiver that is placed ~10-15- ft below the surface to a 1- inch line, which is held in place by a 50lbs kedge anchor or 22lbs claw anchor and is labeled with contact information as well. The buoys will be set at the following locations:

- TI1 46-14-56.220N / 123-26-03.000W;
- TI2 46-14-46.320N / 123-26-16.980W;
- TI3 46-14-38.700N / 123-26-27.900W;
- TI4 46-13-31.140N / 123-28-37.800W.

Chart 18523

LNM: 24/12

COLUMBIA AND SNAKE RIVERS - Summer Seasonal Lockage Schedule for Recreational Craft

The USACE, Walla Walla and Portland Districts, are implementing the summer seasonal lockage schedule, which is effective from 15 May 12 to 15 Sep 12, for the passage of recreational craft through the navigation locks. For the lockage schedule and additional information, visit Portland's website at: <http://www.nwp.usace.army.mil/locations/home.asp>, and Walla Walla's at: <https://www.nwp.usace.army.mil/op/s/nl/home.asp> or contact the Operations Division at (509) 527-7115 or (509) 527-7120.

LNM: 19/12

COLUMBIA RIVER – OREGON – BONNEVILLE – Dolphins Out of Service

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

Chart 18531

LNM: 26/12

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

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

Chart 18532

LNM: 41/11

SNAKE RIVER – Water Management in the Snake River Pools

The Lower Snake River Projects (Ice Harbor, Lower Monumental, Little Goose and Lower Granite) are at minimum pool operation (MOP). Mariners should use extreme caution when approaching and entering the navigation locks during this period. Report any problems encountered to the lock operator on duty and for additional information, contact the USACE Walla Walla District at (509) 527-7115 or visit the website: <http://www.nwp.usace.army.mil/>.

SNAKE RIVER – Water Management in the Snake River Pools

The MOP levels are as follows:

Ice Harbor 437-438 feet,

Lower Monumental 537-538 feet,

Little Goose 633-634 feet,

Lower Granite 733-734 feet, possible variations in elevation based on current river flow.

Charts: 18545 18546 18547 18548

LNM: 15/52

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.

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

WASHINGTON – APPROACHES TO STRAIT OF JUAN DE FUCA – LaPush Lighted Research Buoy

University of Washington has placed a subsurface research buoy off the Washington coast near LaPush at 47-57-51.180N, 124-56-53.880W. The buoy is 50 feet below the surface, and fishing vessels are requested to operate no closer than 300 yards of the deployed position. Contact John Mickett at (206) 897-1795, or email jmickett@apl.washington.edu.

Chart 18460

LNM: 34/11

WASHINGTON – STRAIT OF JUAN DE FUCA ENTRANCE – Subsurface Buoy Deployment

A subsurface data collection buoy has been set at approximately 58 meters below the surface at 48-30.9790N, 124-56.0996W.

Charts: 18460 18480

LNM: 25/12

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

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

Charts: 18421 18431

LNM: 23/12

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

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

Charts: 18421 18427

LNM: 39/11

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

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

Charts: 18400 18440

LNM: 13/12

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

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

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

Charts: 18464 18471

LNM: 24/12

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

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

Charts: 18445 18449

LNM: 27/12

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

OREGON – WASHINGTON – Japan Tsunami Marine Debris

Debris from the March 2011 tsunami in Japan has been sighted with satellite imagery and aerial photos in the Pacific Ocean. NOAA has used models to predict when the washed away debris may approach landfall on the coast. The results show the debris could make the coast in 2013. To read more of the report, or follow any updates, visit NOAA's web site at: <http://marinedebris.noaa.gov/info/japanfaqs.html>.

LNM: 03/12

RADIOTELEPHONE DISTRESS WATCHKEEPING

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

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

LNM: 13/12

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11956	Hood River Boat Basin Daybeacon 1						Remove from list.

*

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosure 1

OREGON - WASHINGTON - COLUMBIA RIVER - Dredging Operations

LNM: 32/12

Enclosure 2

OREGON - PORTLAND and WASHINGTON - SEATTLE - Marine Events

LNM: 32/12

Enclosure 3

SNAKE RIVER – ICE HARBOR DAM – Special Pool Operation

LNM: 30/12

Enclosure 4

U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2012 (44th) Edition, Change No. 17.

LNM: 32/12

If you have any questions, comments, or need additional information concerning this or other LNMs (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

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

OREGON - WASHINGTON - COLUMBIA RIVER – Dredging Operations

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
9 July 12	30 Aug 12	Mon-Sun 24 Hours	Columbia River (RM 28.5)	Oregon	Ivanoff, Clackamas, WL Williams	13 and 16 VHF-FM	In- Water (RM 28.5)	28/12
10 Jul 12	21 Oct 12	Mon-Sun 24 Hours	Columbia River Entrance (RM -2 to RM 2)	Stuyvesant	None	13 and 16 VHF-FM	Columbia River (RM 0)	28/12
30 Jul 12	30 Sep 12	Mon-Sun 24 Hours	Gig Harbor, Murphy's Landing	Orion 1201	Skagit	13,16 and 69 VHF- FM	Commencement Bay	29/12
30 Jul 12	30 Nov 12	Mon-Sat 24 Hours	Willapa Bay, WA (IVO Entrance Light 13)	Ross Island 7	None	13,16 and 79 VHF- FM	Grave Yard Spit	29/12
**01 Aug 12	14 Aug 12	Mon-Sun 24 Hours	Columbia River Entrance (RM 58 to RM 59)	Stuyvesant	None	13 and 16 VHF-FM	Columbia River (RM 55)	31/12
07 Aug 12	09 Aug 12	Tue-Thur 24 Hours	Bellingham, WA (IVO Squalicum Creek Parkway)	Web	Kirsten 'H'	13 and 16 VHF-FM	Elliott Bay	31/12
20 Aug 12	28 Aug 12	Mon-Sun 24 Hours	Chetco River, OR (RM 0, North Boat Basin)	Sea Horse	Marine Retriever	13,16 and 67 VHF- FM	Chetco Open Water	32/12

***US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made.**

**** Stuyvesant will dredge at RM 58+35 to RM 59+15 in early August and then return to the Columbia River entrance.**

SECTOR COLUMBIA RIVER MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
01 Apr 12 thru 31 Mar 13	1200-1200	OSCA 2012 Sail Boat Races	Columbia River Between I5 and 205 bridge	Oregon Corinthian Sailing Association
08 Aug 12	2000-2030	Oregon Symphony Free Concert & Fireworks	Willamette River at Waterfront Park, Portland, OR	Oregon Symphony
11 Aug 12	1000-1600	Double Damned Race	Columbia River between Cascade Locks & The Dalles	George Performance POC: Douglass Archibald
11 Aug 12	1900-2100	Regatta Twilight Boat Parade	Astoria Oregon	Astoria Regatta Association POC: Al Olson
11 Aug 12	2000-2030	Astoria Regatta	East Basin Moorage, Astoria, OR	Astoria Regatta Association
11-12 Aug 12	1000-1730	Smoke on the Water Regatta	Vista Park, Skamokawa, WA	Hobie Fleet 72, Div, 4 HCA-NA
11 Aug 12	1900-2100	Regatta Twilight Boat Parade	Astoria, OR	Astoria Regatta Association
12 Aug 12	1200-1400	CFF Gumby Derby	Columbia River Maritime Museum Astoria, OR	Commercial Fishermen Festival
18 Aug 12	0500-1600	Potholes Bass Club Tournament	Lake Roosevelt, WA	Potholes Bass Club POC: 509-431-3873
18 Aug 12	1200-1900	Portland Armada	Willamette River Portland, OR	Scarlett Marketing POC: Joshua Ryan
18-19 Aug 12	0600-1400	Oregon Bridge to Bridge Offshore Race	Astoria-Newport, OR	Yaquina Bay Yacht Club POC: Mike Blackburn
25 Aug 12	1000 - 1600	Oregon Open Ocean-Offshore	Otter Rock State Park, Newport, OR	Oregon Open Ocean POC:503-724-1041
25-26 Aug 12	0600-1600	Club Tournament	Lake Wallula, WA	Oregon Bass Federation POC: Jason Hooper
26 Aug 12	1000-1500	Oregon Open Ocean-Bay	Newport and Toledo, OR	Oregon Open Ocean POC: 503-724-1041
30 Aug 12 thru 02 Sep 12	0400-1800	Slam'n Salmon Ocean Derby	Brookings, OR	Port of Brookings Harbor POC: 541-661-1899
01 Sep 12	0900-1000	Titanium Man Triathlon	Pasco, WA	Tree Rivers Road Runners
01 Sep 12	0900- 1500	Paddle 4 Cancer	Oaks Amusement Park in Sellwood, Portland	Athletes for Cancer 541 490-9621
04 Sep 12	0900-1000	Power of Pasco Sprint Triathlon	Pasco, WA	Tree Rivers Road Runners
07 – 09 Sep 12	0100-1900	Tuna Smackdown	Bremerton, WA	Defiance Boats POC: 360 689-6767
15 Sep 12	0830-0900	Columbia Crossing Swim	Pasco, WA	Tree Rivers Road Runners
22 Sep 12	0500-1600	Potholes Bass Club Bass Tournament	Wallula Pool, WA	Pothole Bass Club POC: 509-431-3873
23 Sep 12	1000-1030	Portland Triathlon	North Breakwater to Morrison Bridge, Portland, OR	Skyline Events, LLC
29 Sep 12	0800-1200	Head of the Dog Rowing Regatta	Multnomah Channel Portland, OR	Portland Boat Club POC: 503-549-4606
30 Sep 12	0700-1000	Row For The Cure	Willamette River in downtown Portland	Meg Eastman Thompson POC: 503 459-8854
06 Oct 12	0700-1400	Great Mid Columbia Duck Race	Kennewick, WA	Tri-Cities Rotary Club POC: 509-539-6864
13-14 Oct 12	0600-1600	Couples Tournament	Lake Wallula, WA	Oregon Bass Federation POC: Jason Hooper
27 Oct 12	2000-2030	Leukemia & Lymphoma Light the Night Walk	Willamette River between Steele & Burnside Bridges, Portland, OR	Leukemia & Lymphoma Society
28 Oct 12	0700-1500	Portland Fall Classic	Willamette River, Portland, OR	Station L Rowing Club and Rose City Rowing Club

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
8-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
8-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club
8-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
8-Aug-12	1800 - 2000	Summer Series - CYCE	Edmonds	Corinthian Yacht Club of Edmonds

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
8-Aug-12	1800 - 2000	Summer Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
8-Aug-12	1800 - 2000	Summer Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
9-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
9-Aug-12	1830 - 2030	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
9-Aug-12	0700 - 0830	Mid Sound Social	Des Moines Marina	Three Tree Point Yacht Club
9-Aug-12	1800 - 2000	Summer Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
9-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
10-Aug-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
10-Aug-12	1000 - 1700	BYC Summer Solstice Series	Bellingham Bay	Bellingham Yacht Club
11-Aug-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
11-Aug-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
11-Aug-12	0600 - 1500	Gig Harbor PSA Salmon Derby	Point South Worth/3 tree Pt/Tacoma Narrows	Gig Harbor Puget Sound Anglers
11-Aug-12	1700 - 2000	BYC Bellingham Youth Regatta	Bellingham Bay	Bellingham Yacht Club
11-Aug-12	1000 - 1700	BYC Governor's Point Race	Bellingham Bay	Bellingham Yacht Club
11-Aug-12	0500 - 1400	Kitsap Poggie Club Derby	South Puget Sound	Kitsap Poggie Club
11-Aug-12	2200 - 2230	Medina Days	Medina Park	Western Fireworks
11-Aug-12	1000 - 1900	Sar District Championships	Shilshole Bay	Corinthian Yacht Club of Seattle
11-Aug-12	1100 - 1800	Shaw Island Classic	Friday Harbor Bay	San Juan Island Yacht Club
11-Aug-12	0530 - 2000	Arms Around Bainbridge Round - The - Island Swim Relay	Bainbrigde Island	Arms Around Bainbridge
11-Aug-12	1100 - 1300	Swim for Rob	Lake Washington	Robert Vasen Foundation
11-Aug-12	1100 - 1700	STYC Single-Handed Race	Shilshole Bay	Sloop Tavern Yacht Club
12-Aug-12	1000 - 1900	Sar District Championships	Shilshole Bay	Corinthian Yacht Club of Seattle
12-Aug-12	0830 - 1430	Kingston Adventures Peninsula Relay	Kingston, WA	Kingston Adventures
12-Aug-12	1130 - 1430	Aqua Run & Open Water Swim for a Child	Commencement Bay	Gift For a Child
13-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
13-Aug-12	1815 - 2030	STYC Ballard Cup Series I, II and III	Shilshole Bay	Sloop Tavern Yacht Club
14-Aug-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
14-Aug-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
14-Aug-12	1800 - 2000	Summer Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
14-Aug-12	1100 - 1400	Sound Rowers' Round Shaw Row	Shaw Island	Sound Rowers
15-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
15-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club
15-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
15-Aug-12	1800 - 2000	Summer Series - CYCE	Edmonds	Corinthian Yacht Club of Edmonds
15-Aug-12	1800 - 2000	Summer Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
15-Aug-12	1800 - 2000	Summer Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
15-Aug-12	0730 - 1100	Puget Sound Blood Center Swim for Life	Medina Beach to Madison Beach	Puget Sound Blood Center
16-Aug-12	1830 - 2030	Downtown Sailing Series	Elliott Bay	Elliott Bay Marina
16-Aug-12	1800 - 2000	Summer Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
16-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
17-Aug-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
18-Aug-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
18-Aug-12	1000-2000	Vashon Challenge	Vashon Island	Corinthian Yacht Club of Tacoma
18-Aug-12	0400 - 1600	South Puget Sound Salmon Derby	South Puget Sound	Puget Sound Anglers
20-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
20-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
20-Aug-12	1815 - 2030	STYC Ballard Cup Series I, II and III	Shilshole Bay	Sloop Tavern Yacht Club
21-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
21-Aug-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
21-Aug-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
21-Aug-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
22-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
22-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
22-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
22-Aug-12	1800 - 2000	Summer Series - CYCE	Edmonds	Corinthian Yacht Club of Edmonds
22-Aug-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
22-Aug-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
23-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
23-Aug-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
24-Aug-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
24-Aug-12	1000 - 1700	BYC Summer Solstice Series	Bellingham Bay	Bellingham Yacht Club
25-Aug-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
25-Aug-12	0930 - 1300	Sound Rowers' The Great Cross - Sound Race	Alki Beach	Sound Rowers
25-Aug-12	1030 - 1330	Maritime Fest Race	Commencement Bay	Corinthian Yacht Club of Tacoma
25-Aug-12	1000 - 2030	Northwest Jr. Olympics Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
25-Aug-12	1000 - 1800	Commencement Bay Maritime Festival	Commencement Bay	Youth Marine Foundation
25-Aug-12	0600 - 1400	Lake Sammamish Bass Tournament	Lake Sammamish	Capital City Bass Club
25-Aug-12	1200 - 1900	4th Annual Work Boat Races	Guemes Channel	Port of Anacortes
26-Aug-12	1000 - 2030	Northwest Jr. Olympics Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
26-Aug-12	1000 - 1800	Commencement Bay Maritime Festival	Commencement Bay	Youth Marine Foundation
26-Aug-12	0600 - 1400	Lake Sammamish Bass Tournament	Lake Sammamish	Capital City Bass Club
26-Aug-12	1200 - 1500	Annual Jack and Jill	Edmonds	Corinthian Yacht Club of Edmonds
27-Aug-12	1200 - 2000	Sailboat Racing	Budd Inlet	South Sound Sailing Society
27-Aug-12	0800 - 1600	Josh Fueston Memorial Swim to Live	Bellingham Bay	Laurie Fueston
28-Aug-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
28-Aug-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
28-Aug-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
29-Aug-12	1700 - 2000	BYC Wednesday Series	Bellingham Bay	Bellingham Yacht Club
29-Aug-12	1900 - 2100	CYCT Windseeker Wednesdays	Commencement Bay	Corinthian Yacht Club of Tacoma
29-Aug-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
29-Aug-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
30-Aug-12	1800 - 2000	WSCYC Bremerton / Port Orchard Series	Port Orchard, Sinclair Inlet	WSCYC
30-Aug-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
1-Sep-12	1800 - 2000	Friday Sailfest	Shilshole Bay	Corinthian Yacht Club of Seattle
1-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
2-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
2-Sep-12	1200 - 2000	Olympia Harbor Days	Budd Inlet	Olympia Kiwanis Club
2-Sep-12	1000 - 1400	Sequim Balloon Fest Kayak Race	Sequim Bay	Ruby Creek Boathouse
3-Sep-12	1200 - 1800	Discover Sail Cam Isle 2012	Camano Island	Camano Sail and Power
4-Sep-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
4-Sep-12	1850 - 2200	Duck Dodge	Lake Union	Duck Dodge Race Committee
4-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
5-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
5-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
6-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
6-Sep-12	1830 - 2100	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
7-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
7-Sep-12	1430 - 1830	2012 Wooden Boat Festival under 26ft Race	Port Townsend	Port Townsend Sailing Association
8-Sep-12	0930 - 1530	Sound Rowers' The Bainbridge Marathon	Bainbridge Island	Sound Rowers
8-Sep-12	0930 - 1730	Commodore's Cup Trophy Race	Des Moines Marina	Three Tree Point Yacht Club
8-Sep-12	1000 - 1300	CYCT Awards Race	Commencement Bay	Corinthian Yacht Club of Tacoma
8-Sep-12	1100 - 1800	Snooze and Cruise C and D	Shilshole Bay, Meadow Pt	Seattle Yacht Club
8-Sep-12	1000 - 1700	BYC Commodore's Cup Race	Bellingham Bay	Bellingham Yacht Club
8-Sep-12	0900 - 1100	Whidbey Adventure Swim	Whidbey Island	South Whidbey Island Masters
8-Sep-12	1530 - 1730	36th Annual Wooden Boat Festival Schooner Cup Race	Port Townsend	Port Townsend Sailing Association
8-Sep-12	1100 - 1700	STYC - Jack and Jill Race	Shilshole Bay	Sloop Tavern Yacht Club
8-Sep-12	0600 - 1400	Edmonds Coho Fishing Derby	Port of Edmonds Marina	Puget Sound Anglers Sno-King

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
				Chapter
8-Sep-12	0800 - 2200	Swim Across America Seattle	Lake Washington	Swim Across America Seattle
9-Sep-12	1100 - 1800	Snooze and Cruise C and D	Shilshole Bay, Meadow Pt	Seattle Yacht Club
9-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
9-Sep-12	0900 - 1700	Round the Rock Stand Up Paddle Race	Seward Park	Round the Rock Race
9-Sep-12	1200 - 1500	STYC Pink Boat Regatta	Shilshole Bay	Sloop Tavern Yacht Club
11-Sep-12	1700 - 2000	BYC Tuesday Series	Bellingham Bay	Bellingham Yacht Club
11-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
12-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
12-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
13-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
14-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
15-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
15-Sep-12	1000 - 1300	Sound Rowers' Budd Inlet Race	Olympia, WA	Sound Rowers
15-Sep-12	1000 - 1800	CYCT Point Beals Race	Browns Point/Beals Point	Corinthian Yacht Club of Tacoma
15-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
15-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club
16-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
16-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
16-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club
16-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
18-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
20-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
21-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
22-Sep-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
22-Sep-12	1100 - 1900	Lake Fall Regatta	Lake Washington	Corinthian Yacht Club of Seattle
22-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
22-Sep-12	1130 - 1700	2012 Stimson Navigation Contest	Bainbridge Island	Seattle Yacht Club
23-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
23-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
23-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
26-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
27-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
29-Sep-12	1000 - 1500	Sound Rowers' Mercer Island Sausage Pull	Medina Park	Sound Rowers
29-Sep-12	1000 - 1700	BYC Marmetta Cup	Bellingham Bay	Bellingham Yacht Club
30-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
30-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
6-Oct-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
6-Oct-12	1000 - 1800	Foulweather Bluff Race	Edmonds	Corinthian Yacht Club of Edmonds
6-Oct-12	1000 - 1700	BYC Jack Island Race	Bellingham Bay	Bellingham Yacht Club
6-Oct-12	1100 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
7-Oct-12	1101 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	0700 - 1600	NXW Soundriders, Puget Sound SUP Race	Steilacoom, WA	Tacoma South Sound Sports
13-Oct-12	1000 - 1800	Command Point Race	Browns Point/Command Point	Corinthian Yacht Club of Tacoma
13-Oct-12	0700 - 1600	Long Lake Bass Tournament	Lake Washington	Long Lake Bass club
13-Oct-12	0900 - 1800	Raid San Juan	Anacortes/San Juan Islands	Anacortes Yacht Club
14-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
14-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
14-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
19-Oct-12	1000 - 1700	Pacific NW Regional Opti-Regatta	Shilshole Bay	Corinthian Yacht Club of Seattle

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
20-Oct-12	0900 - 1800	WSCYC Commodores' Cup Regatta	Port Orchard, Sinclair Inlet	WSCYC
20-Oct-12	1100 - 1400	Ruston Way OC-1/2 Relay	Tacoma	Pacific Northwest Outriggers Assoc
21-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
21-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
26-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
27-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
28-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
28-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
28-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club



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

Operations Division

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

July 20, 2012

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

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

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

Corrections

Chapter 2, Paragraph 541 through Paragraph 579, read:

The provisions of this subpart J apply only to the waters of the United States and the Territory of American Samoa that are located within the boundary of the National Marine Sanctuary of American Samoa (Sanctuary). Neither the provisions of this subpart J nor any permit issued under its authority shall be construed to relieve a person from any other requirements imposed by statute or regulation of the Territory of American Samoa or of the United States. In addition, no statute or regulation of the Territory of American Samoa shall be construed to relieve a person from the restrictions, conditions, and requirements contained in this subpart J.

§922.101 Boundary.

The Sanctuary is comprised of six distinct units, forming a network of marine protected areas around the islands of the Territory of American Samoa. Tables containing the exact coordinates of each point described below can be found in Appendix to Subpart J—National Marine Sanctuary of American Samoa Boundary Coordinates.

(a) Fagatele Bay Unit. The Fagatele Bay Unit is a 163-acre (0.25 sq. mi.) coastal embayment formed by a collapsed volcanic crater on the island of Tutuila, Territory of American Samoa, and includes Fagatele Bay in its entirety. The landward boundary is defined by the mean high high water line of Fagatele Bay until the point at which it intersects the seaward boundary of the Sanctuary as defined by a straight line between Fagatele Point (-14.36527, -170.76932) and Steps Point (-14.37291, -170.76056) from the point at which it intersects the mean high high water line seaward.

(b) Fagalua/Fogama'a Unit. The landward boundary of the Fagalua/Fogama'a Unit is defined by the mean high high water line of Fagalua/Fogama'a until the point at which it intersects the seaward boundary of the Fagalua/Fogama'a Unit as defined by a straight line between Steps Point (-14.37307, -170.75852) and Sail Rock Point (-14.36534, -170.74119) from the point at which it intersects the mean high high water line seaward.

(c) Aunu'u Unit. The Aunu'u Unit is comprised of two adjacent zones.

(1) Zone A. The Aunu'u Unit boundary for Zone A is defined by the coordinates provided in Table 1 and the following textual description. The Zone A boundary extends from Point 1, the northwest corner of the unit, southward to Point 2 along a straight line following the western boundary of the unit, which is aligned with Taugamalama Point on Tutuila. It then extends northeastward in a multi-part line along the deepest seaward edge of Nafanua Bank from Point 2 to Point 3 and then to Point 4, which lies on the southern boundary of Zone B. The boundary then follows a straight line westward towards Point 5 until it intersects the mean high high water line at the southern tip of Ma'ama'a Cove. The landward boundary of Zone A is defined by the mean high high water line from this intersection point at the southern tip of Ma'ama'a Cove to the intersection of the mean high high water line and the straight line between Point 6 and Point 7 at Salevatia Point. From this intersection point at Salevatia Point, the boundary extends straight west to Point 7, which has the exact same coordinates as Point 1.

(2) Zone B. The Aunu'u Unit boundary for Zone B is defined by the coordinates provided in Table 2 and the following textual description. The Zone B boundary extends from Point 1, the northeast corner of the unit, southward along a straight line following the eastern boundary of the unit to Point 2, which is on the southern boundary of the unit. The southern boundary then follows a line westward towards Point 3 until it intersects the mean high high water line at the southern tip of Ma'ama'a Cove Point. The landward boundary of Zone B is defined by the mean high high water line from this intersection point at the southern tip of Ma'ama'a Cove around the volcanic crater to the intersection of the mean high high water line and the straight line between Point 4 and Point 5. From here, the boundary extends seaward straight north to Point 5. The northern border, the last straight line, is defined by connecting Point 5 and Point 6, along the northern boundary of the unit, which is aligned with Matuli Point on Tutuila. Point 6 has the exact same coordinates as Point 1.

(d) Swains Island Unit. The Swains Island Unit boundary is defined by the coordinates provided in Table 3 and the following textual description. The landward boundary of the Swains Island Unit is the mean high high water line. The seaward boundary of the Swains Island Unit is the territorial water boundary 3 nautical miles from the mean high high water line that

surrounds the island. Within that area surrounding the island, there are two areas excluded from the sanctuary boundaries. The first excluded area extends from Point 1 along the mean high water line northward along the western coast of the island to Point 2. From Point 2, the boundary extends offshore in a line perpendicular to the coast to Point 3. From Point 3, the boundary extends south-southwest to Point 4, and from Point 4 the boundary extends south-southeast to Point 5. From there, the boundary extends landward in a straight line to Point 6. The second excluded area extends from Point 7 along the mean high water line northeastward along the southeastern coast to Point 8. From Point 8, the boundary extends offshore in a perpendicular line to the coast to Point 9. From Point 9, the boundary extends south-southwest to Point 10. From there, the boundary extends landward in a straight line to Point 11.

(e) Muliava Unit. The Muliava Unit boundary is defined by the coordinates provided in Table 4 and the following textual description. The landward boundary of the Muliava Unit is the extreme low water line, which adjoins the boundary of the Rose Atoll National Wildlife Refuge. The Muliava Unit seaward boundary extends from Point 1, the southwest corner of the unit, to Point 2 along a straight line northward following the western boundary of the unit. From Point 2, the line extends in a straight line westward to Point 3. It then extends along a straight line northward to Point 4. From Point 4, the line extends in a straight line eastward to Point 5. From Point 5, the line extends along a straight line northward to Point 6. It then extends along a straight line eastward from Point 6 to Point 7, which is on the eastern boundary of the unit. The boundary then follows a straight line southward until it intersects the line of the southern boundary of the unit at Point 8, the southeastern corner of the unit. The last straight line is defined by connecting Point 8 and Point 9, which has the exact same coordinates as Point 1, along the southern boundary of the unit.

(f) Ta'u Unit. The Ta'u Unit boundary is defined by the coordinates provided in Table 5 and the following textual description. The Ta'u Unit boundary extends from Point 1, Vaita Point, along the mean high water line southward along the western coast to Point 2, Si'ufa'alele Point. From Point 2, the boundary extends offshore 0.25 miles to Point 3 to become continuous with the offshore boundary of the National Park of American Samoa. From Point 3 the boundary continues to follow the coastline 0.25 miles offshore until it reaches Point 4, which is directly south of Si'u Point. From Point 4, the boundary extends due south to Point 5. From Point 5, the boundary extends due west to Point 6, forming the southern border of the unit. From Point 6, the boundary extends due north until it reaches Point 7, directly west and one mile offshore from Point 8, which is Point 1, also known as Vaita Point.

§922.102 Definitions.

In addition to those definitions found at §922.3, the following definitions apply to this subpart:

Clean means not containing detectable levels of harmful matter.

Fishing means the catching, taking, or harvesting of marine species; the attempted catching, taking, or harvesting of marine species; any other activity which can reasonably be expected to result in the catching, taking, or harvesting of marine species; or any operation at sea in support of, or in preparation for, any activity described in this definition.

Harmful matter means any substance, or combination of substances that, because of its quantity, concentration, or physical, chemical, or infectious characteristics, may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed at 40 CFR 302.4 pursuant to 42 U.S.C. 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is nonnative to the ecosystem(s) protected by the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Live rock means any Coral, basalt rock, or other natural structure with any living organisms growing in or on the Coral, basalt rock, or structure.

Stowed and not available for immediate use means not readily accessible for immediate use, e.g., by being securely covered and lashed to a deck or bulkhead, tied down, unbaited, unloaded, or partially disassembled (such as spear shafts being kept separate from spear guns).

§922.103 Prohibited or otherwise regulated activities—Sanctuary-wide.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1) Introducing or releasing introduced species from within or into the sanctuary.

(2) Anchoring a vessel.

(3) Deserting a vessel aground, adrift, or at anchor.

(4) Leaving harmful matter on an abandoned or deserted vessel or structure.

(5) Operating a vessel at a speed exceeding three knots when closer than 200 feet (60.96 meters) of another vessel displaying a dive flag.

(6) Operating a vessel in a manner which causes the vessel to strike or otherwise cause damage to Sanctuary resources.

(7) Diving, snorkeling, or conducting diving or snorkeling operations from a vessel not in compliance with applicable U.S. Coast Guard navigation rules governing the display of lights and signals, and not flying in a conspicuous manner the international code flag alpha "A" or the standard red-and-white U.S. "diver down" flag.

(8) Discharging, or depositing from within or into the Sanctuary, any material or other matter, except clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, anchor wash, or vessel engine or generator exhaust.

(9) Discharging or depositing from beyond the boundary of the Sanctuary any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except those listed in paragraph (a)(8) of this section and §922.105(c).

(10) Sand mining, dredging, filling, dynamiting, or otherwise disturbing or altering the seabed.

(11) Removing, damaging, or tampering with any historical or cultural resource.

(12) Taking any marine mammal, sea turtle, or seabird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(13) Using or discharging explosives or weapons of any description. Distress signaling devices, necessary and proper for safe vessel operation, and knives generally used by fishermen and swimmers shall not be considered weapons for purposes of this section.

§922.104 Prohibited or otherwise regulated activities—Sanctuary-Wide except in the Muliava Unit.

(14) Marking, defacing, or damaging in any way, or displacing or removing or tampering with any signs, notices, or placards, whether temporary or permanent, or with any monuments, stakes, posts, or other boundary markers related to the Sanctuary.

(15) Abandoning a structure, material, or other matter on or in the submerged lands of the Sanctuary.

(b) The prohibitions in paragraphs (a)(1) through (15) of this section, §922.104, and §922.105 do not apply to any activity necessary for national defense.

(c) The prohibitions in paragraphs (a)(2) through (15) of this section, §922.104, and §922.105 do not apply to any activity necessary to respond to an emergency threatening life, property, or the environment.

(d) The prohibitions in paragraphs (a)(2) through (15) of this section, §922.104, and §922.105 do not apply to any activity necessary for valid law enforcement purposes in the Sanctuary.

(e) The prohibitions in paragraphs (a)(2) through (15) of this section, §922.104, and §922.105 do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a National Marine Sanctuary permit issued pursuant to 15 CFR 922.48 and 922.107.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within any unit of the Sanctuary except the Muliava Unit:

(1) Gathering, taking, breaking, cutting, damaging, destroying, or possessing any giant clam [*Tridacna* spp.], live coral, bottom formation including live rock and crustose coralline algae.

(2) Possessing or using poisons, electrical charges, explosives, or similar environmentally destructive methods of fishing or harvesting.

(3) Possessing or using spearguns, including such devices known as Hawaiian slings, pole spears, arbalettes, pneumatic and spring-loaded spearguns, bows and arrows, bang sticks, or any similar taking device while utilizing SCUBA equipment.

(4) Possessing or using a seine, trammel, drift gill net, or any type of fixed net.

(5) Disturbing the benthic community by bottom trawling.

(b) There shall be a rebuttable presumption that any items listed in paragraph (a) of this section found in the possession of a person within the Sanctuary have been used, collected, or removed within or from the Sanctuary.

§922.105 Prohibited or otherwise regulated activities—Unit-specific.

In addition to the prohibitions set forth in §922.103 and §922.104, the following regulations apply to activities conducted within specified Sanctuary units described in the appendix to this subpart.

(a) The following activities are prohibited in the Fagatele Bay Unit:

(1) Harvesting, catching, removing, taking, injuring, destroying, collecting, moving, possessing or causing the loss of any Sanctuary resource, including but not limited to fishing, or attempting any of these activities.

(2) Possessing fishing gear unless such gear is stowed and not available for immediate use.

(b) The following activities are prohibited in the Aunu'u Unit:

(1) In Zone A: Fishing from a vessel without providing notification to the Sanctuary Superintendent or his/her designee in the village of Aunu'u prior to each fishing trip.

(2) In Zone B:

(i) Fishing for bottom-dwelling species or otherwise harvesting, catching, removing, taking, injuring, destroying, collecting, moving, or causing the loss of

any bottom-dwelling species, or attempting any of these activities. Surface fishing for pelagic species, including trolling, is allowed.

(ii) Disturbing the benthic community.

(iii) Possessing any Sanctuary resource, except legally harvested fish on board a vessel.

(c) In the Muliava Unit:

(1) The prohibitions in paragraphs (a)(2) through (7) and (a)(9) through (15) of §922.103 do not apply to scientific exploration or research activities conducted by or for the Department of Commerce or the Department of the Interior.

(2) Notwithstanding the prohibition in §922.103(a)(8), the following vessels may discharge treated waste from a U.S. Coast Guard approved Type I, II, or III Marine Sanitation device 12 nautical miles seaward of the Rose Atoll National Wildlife Refuge:

(i) Vessels engaged in scientific exploration or research activities conducted by or for the Department of Commerce or the Department of the Interior; or

(ii) All other vessels engaged in scientific exploration or research activities, if authorized under a permit issued in consultation with the U.S. Fish and Wildlife Service and in accordance with §922.48 and §922.107.

§922.106 Management and enforcement.

The National Oceanic and Atmospheric Administration (NOAA) has primary responsibility for the management of the Sanctuary pursuant to the Act. The American Samoa Department of Commerce (ASDOC) will assist NOAA in the administration of the Sanctuary, and act as the lead territorial agency, in conformance with the terms of designation, these regulations, and the terms and provisions of any grant or cooperative agreement.

§922.107 Permit procedures and criteria.

(a) Any person in possession of a valid permit issued by the Director, in consultation with the ASDOC, in accordance with this section and §922.48, may conduct an activity otherwise prohibited by §922.103, §922.104, and §922.105 in the Sanctuary if such activity is judged not to cause long-term or irreparable harm to the resources of the Sanctuary, and is:

(1) Related to research involving Sanctuary resources designed to enhance understanding of the Sanctuary environment or to improve resource management decision-making;

(2) Intended to further the educational value of the Sanctuary and thereby enhance understanding of the Sanctuary environmental or improve resource management decision-making;

(3) Intended to further the management of the Sanctuary; or

(4) For salvage or recovery operations.

(b) Permit applications shall be addressed to the Director, Office National Marine Sanctuaries; ATTN: Sanctuary Superintendent, American Samoa National Marine Sanctuary, P.O. Box 4318, Pago Pago, AS 96799.

(c) In considering whether to grant a permit, the

Director shall evaluate such matters as:

(1) The general professional and financial responsibility of the applicant;

(2) The appropriateness of the methods being proposed for the purpose(s) of the activity;

(3) The extent to which the conduct of any permitted activity may diminish or enhance the value of the Sanctuary as a source of recreation, education, or scientific information; and

(4) The end value of the activity.

(d) In addition to meeting the criteria in this section and §922.48, the applicant also must demonstrate to the Director that:

(1) The activity shall be conducted with adequate safeguards for the environment; and

(2) The environment shall be returned to, or will regenerate to, the condition which existed before the activity occurred.

(e) The Director may, at his or her discretion, grant a permit which has been applied for pursuant to this section, in whole or in part, and subject the permit to such condition(s) as he or she deems necessary.

Appendix to Subpart J of Part 922— American Samoa National Marine Sanctuary Boundary Coordinates

[Coordinates listed in this Appendix are unprojected (Geographic) and based on the North American Datum of 1983.]

(a) Fagatele Bay

No coordinates are needed in addition to those described in §922.101(a).

(b) Fagalua/Fogama'a

No coordinates are needed in addition to those described in §922.101(b).

(c) Aunu'u (Zones A, B)

The Aunu'u Unit is comprised of two adjacent zones, described in §922.101(c), for which the point coordinates are provided in following tables 1 and 2.

Point ID

Table 1—Coordinates for the Aunu'u Unit, Zone A

1	—14.286 S, 170.577 W
2	—14.304 S, 170.577 W
3	—14.302 S, 170.566 W
4	—14.286 S, 170.533 W
5	—14.286 S, 170.546 W
6	—14.286 S, 170.562 W

7—14.286 S, 170.577 W

Table 2—Coordinates for the Aunu'u Unit, Zone B

Point ID
1—14.270 S, 170.496 W
2—14.286 S, 170.496 W
3—14.286 S, 170.546 W
4—14.280 S, 170.550 W
5—14.270 S, 170.550 W
6—14.270 S, 170.551 W
(d) Swains Island

The Swains Island Unit boundary is defined by the coordinates provided in Table 3 and the textual description in §922.101(d).

Table 3—Coordinates for the Swains Island Unit

Point ID
1—11.058639 S, 171.08865 W
2—11.051669 S, 171.089494 W
3—11.048561 S, 171.092686 W
4—11.054867 S, 171.094453 W
5—11.060239 S, 171.092825 W
6—11.058639 S, 171.08865 W
7—11.063967 S, 171.075989 W
8—11.058622 S, 171.068617 W
9—11.062167 S, 171.066222 W
10—11.067414 S, 171.073639 W
11—11.063967 S, 171.075989 W
(e) Muliava

The Muliava Unit boundary is defined by the coordinates provided in Table 4 and the textual description in §922.101(e).

Table 4—Coordinates for the Muliava Unit

Point ID
1—15.387 S, 169.012 W
2—14.271 S, 169.012 W
3—14.271 S, 169.121 W
4—14.150 S, 169.121 W
5—14.150 S, 169.012 W
6—13.698 S, 169.012 W
7—13.698 S, 167.283 W
8—15.387 S, 167.283 W
9—15.387 S, 169.12 W
(f) Ta'u Unit

The Ta'u Unit boundary is defined by the coordinates provided in Table 5 and the textual description in §922.101(f).

Table 5—Coordinates for the Muliava Ta'u Unit

Point ID
1—14.24889 S, 169.503056 W
2—14.273056 S, 169.488056

3—14.277222 S, 169.488056
4—14.261111 S, 169.429167 W
5—14.293889 S, 169.429167 W
6—14.293889 S, 169.519722 W
7—14.24889 S, 169.519722 W
8—14.24889 S, 169.503056 W

(FR 7/26/12)

Chapter 7, Paragraph 264, read:

(264) Just S of the Metropolitan Oakland International Airport, a dredged channel leads to a small-craft harbor operated by the city of San Leandro. The channel is marked by lights and daybeacons; a seasonal sound signal is at the entrance. In 2011-2012, the controlling depth was 4 feet in the entrance channel to the basin, thence 2 feet in the access channel through the basin. The access channel branching E from the entrance to the basin had a depth of 5 feet.

(DD 22008)

Chapter 9, Paragraph 128, read:

(128) **Haynes Inlet and North Slough**, which join the bay through a common entrance on the N side, are navigated by small boats. Haynes Inlet and North Slough channels are marked by private daybeacons. A causeway with a fixed bridge over North Slough has a clearance of 15 feet. The causeway extends E and joins the State highway fixed bridge over Haynes Inlet, which has a clearance of 20 feet (27 feet at center).

(L 1026-2012)

Chapter 15, Paragraph 32, read:

(32) The shores of the harbor are fringed by reefs, which on the W and E sides of the entrance extend up to 0.3 mile offshore. In most parts the reefs are steep-to and their edges are marked by surf. The depths in the harbor are from 17 to 37 fathoms. A dangerous submerged wreck is about 0.1 mile S of Breakers Point. **Whale Rock**, covered 2 fathoms and marked by a lighted buoy on the E side and **Toasa Rock** covered 2 feet and marked by a buoy on the SW side, are the two principal dangers in the harbor.

(W-00158; DD 21884)