



U.S. Department  
of Homeland Security

United States  
Coast Guard

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## LOCAL NOTICE TO MARINERS WEEKLY EDITION

**District: 13**

**Week: 21/04**

Boating Safety Classes or Information: 1-800-336-BOAT (2628)

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)  
915 Second Avenue, Seattle, Washington 98174-1067  
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Email: D13LNM@pacnorwest.uscg.mil  
<http://www.navcen.uscg.gov/lnm/d13/>

LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2004 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, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (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/gps/status/default.htm>.

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

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### 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.

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<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-0554-04	D13-0576-04

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### ABBREVIATIONS

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ACOE - Army Corps of Engineers	EST - Established Aid	KGW - Refer to Light List
ADRIFT - Buoy Adrift	EVAL - Evaluation	KGW-I - Refer to Light List
AICW - Atlantic Intracoastal Waterway	EXT - Extinguished	KRB - Refer to Light List
B - Buoy	FL - Flashing	KRB-I - Refer to Light List
BKW - Breakwater	F/S - Fog Signal	KRG - Refer to Light List
B - Refer to Light List	HAZ - Hazard to Navigation	KRG-I - Refer to Light List
BNM - Broadcast Notice to Mariner	HBR - Harbor	KRW - Refer to Light List
CG - Refer to Light List	HOR - Horizontal Clearance	KWB - Refer to Light List
CHAN - Channel	HT - Height	KWB-I - Refer to Light List
CGD - Coast Guard District	ICW - Intracoastal Waterway	KWG - Refer to Light List
CR - Refer to Light List	IMPCHA - Improper Characteristics	KWG-I - Refer to Light List
C/O - Cut Off	INL - Inlet	KWR - Refer to Light List
CONT - Contour	INOP - Not Operating	KWR-I - Refer to Light List
CONSTR - Construction	ISL - Islet	LAT - Latitude
CRK - Creek	KBG - Refer to Light List	LB - Lighted Buoy
CONST - Construction	KBG-I - Refer to Light List	LBB - Lighted Bell Buoy
DBN - Daybeacon	KBR - Refer to Light List	LHB - Lighted Horn Buoy
DBD/DAYBD - Dayboard	KBR-I - Refer to Light List	LGB - Lighted Gong Buoy
DBN/DEST - Daybeacon Destroyed	KBW - Refer to Light List	LONG - Longitude
DBN IMCH - Daybeacon Improper Characteristic	KGB - Refer to Light List	LNM - Local Notice to Mariners
DISCON - Discontinued	KGB-I - Refer to Light List	LT - Light
DMGD - Daybeacon Damaged	KGR - Refer to Light List	LT CONT - Light Continuous
	KGR-I - Refer to Light List	LWB - Lighted Whistle Buoy

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MISS - Missing  
 MR - Refer to Light List  
 MR-I - Refer to Light List  
 N/A - Not Available  
 NB - Refer to Light List  
 N/C - Not Charted  
 ND - Refer to Light List  
 NG - Refer to Light List  
 NIMA - National Imagery and Mapping Agency  
 NL - Refer to Light List  
 NO - Number  
 NOS - National Ocean Service  
 NR - Refer to Light List  
 NW - Refer to Light List  
 NW - Notice Writer  
 NY - Refer to Light List

OBSCU - Obscured  
 OBST - Obstruction  
 OBSTR - Obstruction  
 PRIV - Private Aid  
 RBN - Radio Beacon  
 REBUILT - Aid Rebuilt  
 RECOVERED - Aid Recovered  
 RED - Red Buoy  
 REDINT - Reduced Intensity  
 RRL - Range Rear Light  
 RELIGHTED - Aid Relighted  
 RELOC - Relocated  
 RESET ON STATION - Aid Reset on Station  
 RFL - Range Front Light  
 RIV - River  
 SEC - Section

SG - Green Square on pile  
 SG-SY - Green Square with Yellow Square on pile  
 SHL - Shoaling  
 SND - Sound  
 STM - Statue Mile  
 TEMP - Temporary Aid Change  
 TR - Red Triangle on pile  
 TRLB - Temporarily Replaced by Lighted Buoy  
 TRLT - Temporarily Replaced by Light  
 TRTY - Red Triangle with Yellow Triangle on pile  
 TRUB - Temporarily Replaced by Unlighted Buoy

**Additional Abbreviations Specific to this LNM Edition:**

LED - Light Emitting Diode

LWP - Light Watching Properly

CPA - Point of Closest Approach

**SECTION I - SPECIAL NOTICES**

This section contains information of special concern to the Mariner.

**WASHINGTON - WHIDBEY ISLAND DGPS SITE - Off Air Approval**

Whidbey Island, WA DGPS site is authorized to be off-air from 1700Z to 1900Z 22 Jun 04 and possibly from 1700Z to 1900Z 23 Jun 04. For additional information, contact NAVCEN DGPS West OPs POC at (707) 765-7612.

Chart N/A

LNM: 20/04

**WASHINGTON - OFF SHORE - Submersible Operations**

The U.S. Navy will be conducting submerged operations within 5NM of 48-00-00N 129-06-00W from 0900 local 23 May to 1700 local 08 Jun 04. For additional information, contact the U.S. Navy at (808) 473-2518.

Chart 18007

LNM: 20/04

**COLUMBIA AND SNAKE RIVERS - 2004 Summer Seasonal Lockage Schedule for Recreational Craft**

The U.S. Army Corps of Engineers, Walla Walla and Portland Districts, have implemented the 2004 summer seasonal lockage schedule effective from 15 May to 15 September 04 for the passage of recreational craft through the following navigation locks:

Walla Walla District Locks			Portland District Locks		
Navigation Lock	Location	Chart	Navigation Lock	Location	Chart
McNary Dam	Columbia River Mile 292	18539	Bonneville Dam	Columbia River Mile 145	18531
Ice Harbor Dam	Snake River Mile 9.7	18545	The Dalles Dam	Columbia River Mile 191	18533
Lower Monumental Dam	Snake River Mile 41.6	18545	John Day Dam	Columbia River Mile 216	18535
Little Goose Dam	Snake River Mile 70.3	18546			
Lower Granite Dam	Snake River Mile 107.3	18548			

When a recreational vessel lockage schedule is in effect, recreational vessels will only be allowed to lock through at the times designated for such lockages and they will take precedence over commercial vessels. Commercial vessels will continue to be locked through upon arrival except during the times specified for recreational vessel lockages. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial craft. All vessel owner/operators lock through at their own risk. Follow the directions of the lock operator when using the locks or operating in the vicinity of the locks. The lock operator has the final authority on the suitability of a craft for lockage. Refer to the U.S. Army Corps of Engineers Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers for additional safety requirements. For additional information on this matter or copies of the Safe Lockage policy, visit the following website: <http://www.nwp.usace.army.mil/op/s/nl> or contact the Walla Walla District at (509) 527-7115/(509) 527-7113 or the Portland District at (503) 808-4332/(503) 808-4333.

The three Portland District Locks and the five Walla Walla District Locks will use the same lockage schedule making the lockage times for the entire Columbia/Snake River system identical for recreational vessels. The following seasonal recreational craft lockage schedule will be implemented beginning 15 May 2004:

Traffic Direction	Times
Upstream Lockages	9:00 a.m. 12:01 p.m. 3:00 p.m. 6:00 p.m. 9:00 p.m.
Downstream Lockages	9:30 a.m. 12:30 p.m. 3:30 p.m. 6:30 p.m. 9:30 p.m.

Consideration will be given for special lockages to flotillas or other unique events sponsored by yacht clubs, marinas, and other groups, provided advance (24 hours) arrangements have been made with the appropriate operations manager or their appointed representative. The following project office and operations managers should be contacted for scheduling of special lockages:

Project	Operations Managers	Phone Number	Alternate Number
Bonneville	Chief Operator on Duty	(541) 374-8323	N/A
The Dalles	Chief Operator on Duty	(541) 298-4007	N/A
John Day	Chief Operator on Duty	(541) 298-9712	N/A
McNary	Randell Ryan	(541) 922-2251	(541) 922-3214
Ice Harbor	Scott Sutliff	(509) 543-3251	(509) 547-7783
Lower Monumental	Matt Allen	(509) 282-7353	(509) 282-3218
Little Goose Project	Scott Ross	(509) 399-2233 x253	(509) 399-2233 x231
Lower Granite Project	Martin Mendiola	(509) 843-1493 x258	(509) 843-1493 x231

Chart N/A

LNM: 19/04

#### WASHINGTON - OFFSHORE - Research Buoys

The Olympic Coast National Marine Sanctuary will be deploying research buoys in the waters of the sanctuary from 17 May to 08 Oct 04. These buoys will be anchored in depths between 15 and 42 meters. Each buoy will consist of unlit, 16ft halibut longline, and aluminum poles with floats and red flags, each topped with a radar reflector. The locations of the buoys are:

Buoy	Latitude	Longitude	Planned depth
MB-1	48-19-30.0N	124-40-54.0W	15m
MB-2	48-19-18.0N	124-44-18.0W	42m
CA-1	48-09-54.0N	124-45-24.0W	15m
CA-2	48-09-54.0N	124-48-12.0W	42m
TH-1	47-52-30.0N	124-37-06.0W	15m
TH-2	47-50-42.0N	124-37-42.0W	31m
KL-1	47-35-54.0N	124-25-36.0W	15m
KL-2	47-35-36.0N	124-29-36.0W	27m
CE-1	47-21-19.0N	124-28-06.0W	42m

For additional information, contact Olympic Coast National Marine Sanctuary at (360) 457-6622.

Chart 18480

LNM: 19/04

#### WASHINGTON - OFFSHORE - Ocean Operations

Ocean operations will be conducted in an 8NM circle centered at 48-07-00N 125-30-00W from 0001 15 May to 2359 local 28 May 04. The operation will present a hazard to fishing gear. The R/V M/V Independence will be on site to 29 May 04 and may be contacted on VHF-FM Channel 16. Mariners are requested to maintain a 4NM CPA from this position. For additional information, contact NFESC at (805) 982-1270.

Chart 18480

LNM: 19/04

#### WYOMING - LORAN-C - Outage Proposal

This is a proposal to authorize LORSTA Gillette Wyoming (rate 9610-V/8290-X) unusable time from 1500Z to 2100Z 15 Jun 04 with the alternate time from 1500Z to 2100Z 16 Jun 04. Objections will be considered until 1500Z 10 Jun 04. Users shall address inquiries to the South Central U.S. Loran-C Chain Operations Control Officer at (703) 313-5873.

Chart N/A

LNM: 19/04

#### WASHINGTON - ROSSARIO STRAIT - Research Buoys

NOAA has established three temporary yellow lighted research buoys showing the characteristic Flashing Yellow 6 seconds (Fl Y 6s) for a period of 8 to 10 weeks.

Buoy 1	48-28-32.7N	122-42-40.2W
Buoy 2	48-28-35.9N	122-52-53.2W
Buoy 3	48-28-30.6N	122-42-51.9W

Chart 18421

LNM: 18/04

#### COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoys

Oregon State University has deployed 38 scientific buoys on both sides of the navigational channel from river mile 0 to river mile 4, 20 scientific buoys from bank to bank on the west side of the Astoria Bridge at river mile 13, and 13 scientific buoys from bank to bank near Jim Crow Point at river mile 29 all on the Columbia River. Each buoy is a system of four 7in by 15in Styrofoam floats with attached contact information. For additional information, contact Oregon State University at (541) 737-2592.

Charts 18521, 18523

LNM: 18/04

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**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.

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**DISCREPANCIES (FEDERAL AIDS)**

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
765/ 16150	Duntze Rock Lighted Whistle Buoy 2D	REDINT / 3NM TEMP LED	18480	D13-0755-03	26/03	
8735	Coos Bay Entrance Lighted Bell Buoy 1	REDINT / 3NM TEMP LED	18587	D13-0202-04	07/04	
8755	Coos Bay North Jetty Lighted Gong Buoy 3	Off Station / 42.7 yds bearing 267.5°T	18587	D13-0164-04	06/04	
8775	Coos Bay Channel Lighted Bell Buoy 5	Off Station / 12 yds bearing 120°T	18587	D13-0260-04	10/04	
9600	Yaquina Bay Entrance Lighted Gong Buoy 3	REDINT	18561	D13-0574-04	21/04	
9815	Tillamook Bay Entrance Bell Buoy 1	MISS	18521	D13-0242-04	09/04	
10015	Desdemona Sands Lighted Gong Buoy 29	Riding low in the water	18521	D13-0523-04	20/04	
11665	Multnomah Falls Bar Range Front Light	EXT	18531	D13-0576-04	21/04	
13155	Snake River Buoy 7	Off Station / 30 yds bearing 061°T	18545	D13-0548-04	20/04	
16075	Quillayute River Approach Lighted Whistle Buoy Q	REDINT / 3NM TEMP LED	18480	D13-0883-03	30/03	
16085	Quillayute River Entrance Buoy 2	MISS	18480	D13-0306-04	12/04	
16155	Waadah Island Light	REDINT / F/S INOP	18460	D13-0335-04	12/04	
17575	Port Townsend Canal Light 4	EXT	18441	D13-0567-04	21/04	
17585	Port Townsend Canal Light 6	EXT	18441	D13-0568-04	21/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB	18441	D13-0710-03	25/03	
19935	International Boundary Range C Front Light	IMPCHA / DBD Faded and Peeling	18421	D13-1191-02	38/02	

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
8605	Chetco River Entrance Lighted Bell Buoy 2	LWP	18602	D13-0575-04	19/04	21/04
11625	Cape Horn Candiana Light 69	LWP	18531	D13-0558-04	20/04	21/04
13150	Snake River Buoy 6	LWP	18545	D13-0557-04	20/04	21/04
13170	Snake River Lighted Buoy 8	LWP	18545	D13-0556-04	20/04	21/04

**DISCREPANCIES (PRIVATE AIDS)**

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-0478-04	18/04	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
9195	Haynes Inlet Channel Daybeacon 1	IMPCHA	18587	D13-0479-04	18/04	
9205	Haynes Inlet Channel Daybeacon 5	IMPCHA	18587	D13-0480-04	18/04	

9210	Haynes Inlet Channel Daybeacon 7	IMPCHA	18587	D13-0481-04	18/04
16847	Elliott Bay Fish Haven Buoy A	MISS	18449	D13-0467-04	18/04
16848	Elliott Bay Fish Haven Buoy B	MISS	18449	D13-0466-04	18/04
16885	Georgetown Reach Range Rear Light	IMPCHA	18449	D13-0487-04	18/04
16900	Alaska Hydro-Train Light A	EXT	18449	D13-0468-04	18/04
16905	Alaska Hydro-Train Light B	EXT	18449	D13-0515-04	20/04
17129	St Paul Waterway Buoy 2	MISS	18448	D13-0477-04	18/04
17145	Blair Waterway Lighted Buoy	TEMP DISCON	18448	D13-0484-04	18/04
17207	Hylebos Waterway Mooring Buoys (2)	MISS	18448	D13-0457-04	18/04
17345	Tolmie Beach State Park Buoy	MISS	18448	D13-0513-04	20/04
17397	Boston Harbor Regulatory Buoys (7)	2 of 7 buoys MISS	18448	D13-0514-04	20/04
18940	Cornet Bay Daybeacon 8	MISS	18421	D13-0542-04	20/04
19755	Pearl Island Dock Light	EXT	18421	D13-0448-04	18/04

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No	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
16856	Coast Guard Pier Light North	TEMP DISCON	18449	D13-0729-03	26/03	
16857	Coast Guard Pier Light South	TEMP DISCON	18449	D13-0729-03	26/03	

**TEMPORARY CHANGES CORRECTED**

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

**SECTION IV – CHART CORRECTIONS**

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

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which Chart(s) are to be corrected. The following example explains the 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 Mariner
18427	20 <sup>TH</sup> ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
<p><i>Chart Title:</i> WA – ANACORTES TO SKAGIT BAY -            (Temp) Add Ben Ure Island Light 2, FI R 4s, 25ft 4M at 48°24'12.1"N 124°37'42.0"W</p>						
	↑ Corrective Action		↑ Object of Correction Action			↑ Position

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

<b>18531</b>	<b>21st ed</b>	<b>Dec 2003</b>	<b>Last LNM 17/04</b>	<b>NAD 83</b>	<b>(NOS NW -7653-7657)</b>	<b>21/04</b>
<i>Chart Title: OR - WA - COLUMBIA RIVER VANCOUVER TO BONNEVILLE</i>						
Both	Delete	45ft sounding			at 45-32-38.4N	122-17-29.9W
Panels	Delete	44ft sounding			at 45-32-37.0N	122-17-19.8W
	Add	41ft sounding			at 45-32-38.4N	122-17-24.2W
Main	Delete	27ft sounding			at 45-36-11.6N	122-35-53.9W
Panel	Delete	25ft sounding			at 45-36-08.9N	122-35-07.1W
	Delete	17ft sounding			at 45-35-38.9N	122-32-16.9W
	Delete	24ft sounding			at 45-33-00.2N	122-19-21.5W
	Add	25ft sounding			at 45-32-55.4N	122-18-49.9W
	Add	26ft sounding			at 45-32-35.5N	122-16-06.8W
	Add	24ft sounding			at 45-36-11.0N	122-35-48.8W
	Add	23ft sounding			at 45-36-12.1N	122-36-00.9W
	Add	22ft sounding			at 45-36-08.3N	122-35-13.1W
	Add	14ft sounding			at 45-35-36.3N	122-32-10.6W
	Add	20ft sounding			at 45-34-46.6N	122-28-50.8W
	Add	19ft sounding			at 45-33-15.9N	122-20-17.4W
	Add	19ft sounding			at 45-33-03.7N	122-19-46.3W

<b>18587</b>	<b>69th ed</b>	<b>May 2004</b>	<b>Last LNM 20/04</b>	<b>NAD 83</b>	<b>(NOS NW -7490)</b>	<b>21/04</b>
<i>Chart Title: OR - COOS BAY</i>						
	Add	Tabulation – Coos Bay and Isthmus Slough Channel			centered at 43-22-51.0N	124-15-07.0W

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### OIL RIG MOVEMENT

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#### Drill Rigs/Vessels Removed

<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
None						

#### Drill Rigs/Vessels Established

<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
None						

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### SECTION V - ADVANCE NOTICES

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

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#### SUMMARY OF ADVANCED APPROVED PROJECTS

<u>Waterway</u>	<u>Project Date</u>	<u>Ref. LNM</u>
None		

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### 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 Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

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#### PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – CAPE BLANCO TO YAQUINA HEAD – CAPE ARAGO LIGHT (LLNR 605)	28 May 2004		LNM: 17/04

Navigation Aids: Not considered necessary for safe navigation.

On 15 October 2004, permanently discontinue the seasonal fog signal (maintained from April 15 to Oct 15 each year).

Charts 18580, 18587

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
SNAKE RIVER – LITTLE GOSE RESERVOIR	28 May 2004		LNM: 17/04

Navigation Aids: To better mark shoal water.

Relocate Little Goose Reservoir Buoy 28A (LLNR 13833) to approximate position 46-40-45N, 117-33-07W

Chart 18547

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
SNAKE RIVER – LAKE SACAJAWEA	28 May 2004		LNM: 17/04

Navigation Aids: To better mark shoal water.

Relocate Lake Sacajawea Buoy 28 (LLNR 13355) to approximate position 46-24-16N, 118-39-12W.  
Relocate Lake Sacajawea Buoy 34 (LLNR 13380) to approximate position 46-26-11N, 118-38-24W.  
Relocate Lake Sacajawea Buoy 38 (LLNR 13390) to approximate position 46-26-36N, 118-38-23W.

Chart 18545

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – STRAIT OF JUAN DE FUCA ENTRANCE	02 July 2004		LNM: 21/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change Strait of Juan De Fuca Traffic Lane Separation Lighted Buoy “JA” (LLNR 756/16136) from a flashing yellow every four-second (FL Y 4s) to a flashing yellow every 2.5 seconds (FL Y 2.5s) LED Lantern and change the buoy hull to yellow disk-shaped with the numbers 46087 painted on the hull.

Chart 18460

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – STRAIT OF JUAN DE FUCA (EASTERN PART)	02 Jul 2004		LNM: 21/04

Navigation Aids: Establish NOAA lighted weather buoy 46088

Establish NOAA Environmental Lighted Buoy 46088 (LLNR 16337), a yellow disk-shaped buoy showing a flashing yellow light every 2.5 seconds (FL Y 2.5s) LED Lantern in approximate position 48-20-00N, 123-10-00W, with a nominal range of 4NM.

Chart 18465

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## SECTION VII - GENERAL

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

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### OREGON - Bridge Information

Suislaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 07 Sep to 2359 local 29 Oct 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583 LNM: 20/04

### OREGON - Bridge Information

Coquille River

The Bullard Ferry Bridge at Coquille River mile 3.5 has been disabled and cannot open for vessel traffic until repairs are made.

Chart 18588 LNM: 12/04

### OREGON - Bridge Information (Revisions of LNM 04/04)

Willamette River

The Broadway Bridge at mile 11.7 will require 24 hour notification for openings from 27 Feb to 15 Nov 04 due to operations related to painting.

Chart 18526 LNM: 09/04

### OREGON - Bridge Information

Willamette River

The Burnside Bridge at mile 12.4 need not open for the passage of vessels from 0700 16 Jun to 0700 local 18 Jun 04, during essential machinery inspection.

Chart 18526 LNM: 21/04

### OREGON - Bridge Information

Willamette River

The Burnside Bridge at mile 12.4 need not open for the passage of vessels from 0630 to 0930 local on 18 Jul and from 0700 to 1100 local on 19 Sep 04, to accommodate public events.

Chart 18526 LNM: 14/04

### OREGON - Bridge Information

Willamette River

The Hawthorn Bridge at mile 13.1 need not open for the passage of vessels from 0730 to 0830 local on 11 Jul 04, to accommodate a public event.

Chart 18526 LNM: 14/04

## OREGON - Bridge Information

### Coos Bay

The Coos Bay Railroad Bridge, at mile 9.0, swing span has a mechanical failure and can only be opened by tug. Mariners should provide as much notice as possible for openings until a broken drive shaft is repaired. The bridge operator monitors VHF-FM Channel 18A when bridge is in operation. The bridge operator can also be reached at (541) 912-8691.

Chart 18587

LNM: 34/03

## COLUMBIA RIVER - Bridge Information

### Vancouver

The dual liftspans of the Interstate 5 dual vertical lift bridges at river mile 106.5 will be effected throughout the summer of 2004 by a major mechanical-electrical rehabilitation project. From 0900 01 Jul to 0630 local 15 Jul 04 the draws need not open for the passage of vessels unless two hours notice is provided. From 0630 15 Jul to 2100 local on 06 Aug 04 the draws will not open. Scheduled openings will occur, if requested, at 2100 local on 06 and 20 Aug, 03 and 17 Sep and 01 Oct 04. The draws will not return to normal operations until 2100 local on 15 Oct 04.

Charts 18524, 18526

LNM: 12/04

## COLUMBIA RIVER - Bridge Information

### Hood River

The Hood River White Salmon Bridge at mile 169.8 is stuck in the closed position.

Charts 18532

LNM: 21/04

## COLUMBIA RIVER - SNAKE RIVER - Bridge Information (Revisions of LNM 12/04)

### Longview

A single work platform will remain installed 250 ft south of the center of the main span of the Lewis and Clark Bridge at river mile 66 until 31 May 04. This platform is about 20 ft wide with 8 ft less vertical clearance found beneath it.

Chart 18524

LNM: 18/04

## WASHINGTON - Bridge Information

### Duwamish West Waterway

The Spokane Street Dual Swingspan at mile 0.3 – Vessel operators who need draw openings are requested to pass through a west span opening whenever safe passage through this half-opening is possible. The Coast Guard recognizes this limited operation for consenting vessels only. Cracking has been discovered in the vertical lift cylinder of the east span. The manufacture and replacement of this unique part will take months. Minimizing the load bearing of the cylinder may prevent a failure of the east span similar to the one that occurred in 2001 at the west span. Operators will continue to open both sides of the bridge to any vessel that requests a full opening.

Chart 18450

LNM: 11/02

## WASHINGTON - Bridge Information

### Lake Washington

The Montlake Bridge draw need not open for the passage of vessels from 1130 to 1400 and from 1630 to 1800 local 12 Jun 04, to accommodate heavy traffic for the University of Washington Commencement.

Chart 18447

LNM: 19/04

## WASHINGTON - Bridge Information

### Chambers Creek

The Burlington Northern Santa Fe Railroad Drawbridge near Steilacoom need not open for the passage of vessels from 0700 local 25 May to 2000 local 26 May 04, during maintenance.

Chart 18445

LNM: 19/04

## WASHINGTON - Bridge Information

### Tacoma Narrows Bridge – (Revision of LNM 31/03)

Construction – Derrick barges will be deployed at various locations around the pier locations for the new parallel bridge near the piers of the existing Tacoma Narrows Bridge. Buoys have been deployed to mark anchor cables for retrieval this summer when caissons are floated into position for the new footing excavation. These buoys are in the process of being lighted and repainted for improved visibility. Lights may be extinguished by submersion in strong currents. A free channel 1600 feet wide currently exists. Mariners should exercise caution while passing construction activity. Further updates will be included in this publication.

Charts 18448, 18474

LNM: 32/03

## WASHINGTON - Bridge Information

### Tacoma Narrows Bridge – (Revision of LNM 32/03)

The Coast Guard has issued a safety zone regulation until 06 Aug 04, for all waters of the Tacoma Narrows, Puget Sound, and adjoining waters of Washington state, within a 250 yard radius around each of the following coordinates: 47-15-54N 122-32-50W and 47-16-15N 122-33-16W. No vessel will be allowed to transit this area without the permission of the Coast Guard. The Coast Guard may be reached on VHF-FM Channel 16.

Charts 18448, 18474

LNM: 06/04

## WASHINGTON - Bridge Information

### Everett

State Route 529 Swingspan Bridge across Steamboat Slough at Everett is inoperable due to mechanical failure until further notice.  
Chart 18443 LNM: 36/03

### Bridge Lighting Discrepancies:

Lights on the following bridges have been reported extinguished.

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNLM
Coquille River Mile 3.5	Bullards Ferry Bridge	Brandon OR	EXT	12 May 04	0519-04	20/04
Coos River Mile 2.2	Chandler Bridge	Coos County OR	EXT	12 May 04	0520-04	20/04
Coos River Mile 2.2	Anson-Rogers Bridge	Coos County OR	EXT	12 May 04	0521-04	20/04
Coos Bay Mile 9	Coos Bay Railroad Bridge	Coos Bay OR	EXT	30 Apr 04	0454-04	18/04
Coos Bay Mile 9.8	McCullough Bridge	Coos Bay OR	EXT	30 Apr 04	0455-04	18/04
Isthmus Slough Mile 6.0	Coos City Bridge	Coos County OR	EXT	12 May 04	0522-04	20/04
Umpqua River Mile 11.1	U.S. Highway 101	Reedsport OR	EXT	17 May 04	0549-04	20/04
Columbia River Mile 14	Astoria Megler Bridge	Astoria OR	EXT	14 May 04	0553-04	20/04
Columbia River Mile 66	Lewis and Clark Bridge	Longview WA	EXT	11 May 04	0505-04	19/04
Columbia River Mile 148	Bridge of the Gods	Port of Cascade Locks OR	EXT	20 May 04	0560-04	21/04
Duwamish Mile 3.8	South Park Bridge	Seattle WA	EXT	03 May 04	0469-04	18/04
Chambers Creek Mile 0.0	Chambers Creek Bridge	Seattle WA	EXT	05 May 04	0490-04	19/04
Hylebos Waterway Mile 1.1	East 11th Street Bridge	Seattle WA	EXT	05 May 04	0489-04	19/04
Port Orchard	Warren Ave Bridge	Bremerton WA	EXT	05 May 04	0491-04	19/04

### Bridge Lighting Discrepancies Corrected:

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

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNLM
None						

## THIRTEENTH COAST GUARD DISTRICT - Request for information on the use of large-scale driftnets on the high seas

The United States Coast Guard (USCG) requests mariners be on the lookout for and report any observed driftnets or vessels engaged in driftnet fishing on the high seas (more than 200NM from shore). Sighting information may be made to any of the following Coast Guard offices:

Offices	Phone	Fax	Telex	Email
USCG Pacific Area Alameda, CA	1-800-246-7236 1-510-437-3701	1-510-437-3017	230172343	<a href="mailto:OD11/Pacarea@d11.uscg.mil">OD11/Pacarea@d11.uscg.mil</a>
USCG 14th District Honolulu, HI	1-800-331-6176 1-808-541-2500	1-808-541-2123		<a href="mailto:D14ccdutyoofficer@D14.uscg.mil">D14ccdutyoofficer@D14.uscg.mil</a>
USCG 17th District Juneau, AK	1-800-478-5555 1-907-463-2000	1-907-463-2023	49615066	<a href="mailto:D17-cc@cgalaska.uscg.mil">D17-cc@cgalaska.uscg.mil</a>

Illegal high seas driftnet (HSDN) fishing has historically been conducted in the Northwest Pacific Ocean. Mariners following great circle routes between North America and Asia are most likely to encounter this activity. Fishing activity normally takes place between 01 Apr and 31 Aug. However, illegal activity may occur in other areas and at other times of the year.

Information desired include date, time, position, description of gear/vessel, and observed activity. Video or photographs are highly desired.

### HSDN Fishing Vessel Characteristics:

HSDN fishing vessels typically range from 120 to 200 feet in length and are usually in fair to poor condition. Distinguishing characteristics include:  
Net tube: A large, usually white tube, which extends from the working deck to the net bin located aft. This tube is about two feet in diameter, runs along the port or starboard side of the superstructure, and is clearly visible from both the surface and air.  
Net bin: A structure normally located on an aft deck in which the nets are stored.  
Net spreader: A triangular or roller net spreading device, which prevents the net from becoming entangled as it enters the water. While only visible from the stern, this is one characteristic, which clearly distinguishes a HSDN fishing vessel from a longline or other fishing vessel.  
Transponders: The radio transponders are approximately 4-6 ft tall, are used to mark the end of a net and are normally stored in racks on the weather decks.

When the net is in the water, it is normally suspended using cylindrical floats spaced every few feet, similar to swimming pool lane markers, with the ends of the nets marked with radio transponders. Other types of floats may be used, including larger spherical floats about 2-3 ft in diameter. The driftnets may vary from a couple hundred yards to several nautical miles in length.

Chart N/A

LNLM: 09/04

## THIRTEENTH COAST GUARD DISTRICT - Reporting suspicious activity

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to the National Response Center (NRC) at (800) 424-8802. The U.S. Coast Guard reminds the maritime industry that they may also report information concerning activity to their Local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, <http://www.fbi.gov/contact/fo/fo.htm>, or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at (888) 585-9078, or by e-mail to [nipc.watch@fbi.gov](mailto:nipc.watch@fbi.gov).

Chart N/A

LNLM: 15/03

**COLUMBIA RIVER - ASTORIA - Construction Projects (Revision of LNM 45/02)**

Marine construction activities are scheduled near Astoria on the Oregon side of the Columbia River at the Port of Astoria's Pier III near river mile 11. This is a long-term project that is expected to last until 2005. Mariners should use caution near the 1100-foot pier as piles may not be visible at high tide. For questions concerning the long-term Pier III project contact the Port of Astoria at (503) 325- 4521.

Chart 18521

LNM: 35/03

**COLUMBIA RIVER - BONNEVILLE, JOHN DAY DAM - Closures (Revision of LNM 17/04)**

The John Day Navigational Locks will be closed for 12 hours daily, excluding Sundays from 0800 to 2000 local from 12 Apr to 05 Jun 04. Additionally the John Day Navigational Locks will be closed for 8 hours daily, excluding Sundays from 1000 to 1800 local from 07 Jun to 19 Jun 04. For additional information, contact ACOE Portland District at (503) 808-4333.

Charts 18531, 18533, 18535

LNM: 21/04

**COLUMBIA RIVER - LAKE UMATILLA - BLALOCK ISLAND - Fish and Wildlife Fires**

The U.S. Fish and Wildlife Services will be conducting prescribed fires in the vicinity of 45-54-20N 119-37-57W. The fires will be conducted from 1100 local until dusk on various dates until the end of May 04. Mariners are urged to transit the area with caution as smoke may cause low visibility. For additional information, contact U.S. Fish and Wildlife Service Mid Columbia River NWRC at (509) 545-8588.

Chart 18539

LNM: 08/04

**COLUMBIA RIVER - THE DALLES - Telemetry Barges**

USGS Columbia River Research Lab deployed 20 6ft by 8ft pontoon barges, each showing flashing yellow 4 seconds (Fl Y 4s) lights, located on the Oregon side, outside the shipping channel between the Dalles Dam and mile 193 on the Columbia River. An additional 28 pontoon barges were deployed in the Boat Restriction Zone (BRZ) above the Dalles Dam, each showing flashing yellow 4 seconds (Fl Y 4s) lights. All the barges are to be removed prior to 31 Aug 04. For additional information, contact Columbia River Research Laboratory at (509) 538-2299 Ext 267.

Chart 18533

LNM: 15/04

**OREGON / WASHINGTON - COASTAL REGION - Tsunami Reporting System**

As part of the Pacific Tsunami Reporting System the following surface buoys have been deployed by NOAA. Each buoy is a 2.5-meter disk, red and white in color, with the word "TSUNAMI" on it. Each buoy has a "Fl Y 4s" light.

Buoy 46404	45-51-32N, 128-46-40W
Buoy 46405	42-54-10N, 130-54-32W
Buoy D - 127	45-31-26N, 127-35-38W

Chart 501

LNM: 29/03

**OREGON / WASHINGTON - COASTAL REGION - NOAA**

NOAA buoys 46404 and 46405 have been temporarily discontinued.

Chart 501

LNM: 14/04

**WASHINGTON - STRAIT OF JUAN DE FUCA, STRAIT OF GEORGIA AND SAN JUAN ISLANDS - Survey Operations**

The Washington Department of Fish and Wildlife (WDFW) will be conducting a resource survey for bottom fishes from 19 Apr to 18 Jun 04. The survey will be in the Strait of Juan De Fuca east to Port Townsend and Whidbey Island and north to the San Juan Islands and the Strait of Georgia to the U.S. - Canada border. The F/V Chasina has been chartered by the WDFW, has a sign WDFW RESEARCH posted on the side and will be monitoring VHF-FM Channel 16. Vessels are requested to exercise caution in the vicinity of the research vessel. For additional information, contact WDFW at (425) 379-2313.

Charts 18460, 18465, 18421

LNM: 15/04

**WASHINGTON - ELLIOTT BAY - Terminal 46 Construction**

The American Construction Company has commenced construction that includes pile driving at terminal 46 for the Port of Seattle. Pile driving work will be from 0700 to 1700 local Monday through Saturday 12 Dec 03 to Jun 04. The crane DB Palouse will be moored on anchors, and crown buoys will be used to mark the anchor locations. DB Palouse will monitor VHF-FM Channel 16. All vessels are requested to minimize wake in the vicinity of construction. For additional information contact the American Construction Co at (206) 264-0701.

Chart 18449

LNM: 50/03

**WASHINGTON - STRAIT OF JUAN DE FUCA - PUGET SOUND - Security Zone of Passenger Vessels (Revision to LNM 06/03)**

The Coast Guard is establishing a temporary moving security zone of 500 yards surrounding passenger vessels while within the waters of Puget Sound and adjacent waters. A passenger vessel is defined as any vessel over 100 feet in length (33 meters) carrying passengers for hire such as auto ferries, cruise ships, passenger ferries, and excursion vessels. All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the Official Patrol or passenger vessel master. The Official Patrol will consist of a Coast Guard patrol, Federal Law Enforcement officer or a General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, Specially Commissioned Washington Peace Officer, or the passenger vessel master. This order is issued under the authority of the Ports and Waterways Safety Act, Title 33, U. S. Code 1221 et. Seq., and the regulations issued thereunder, Title 33, Code of Federal Regulations Part 165.

Physical Boundaries: The following area is a security zone: All waters of Puget Sound, Washington State east of 123-30-00W [Datum: NAD 1983] within a 500 yard radius centered on passenger vessels while they are underway, anchored or moored.

Special Rules: All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course, and shall proceed as directed by the Official Patrol or the passenger vessel master. No vessels will be allowed to transit this area without the permission of the Coast Guard, the Official Patrol or the passenger vessel master. Penalties for violating the zone: The Ports and Waterways Safety Act prescribes that whoever violates an order issued under the act is liable to a civil penalty of not more than \$27,500 for each violation. Each day of continuing violation shall constitute a separate violation. If such a violation is willful, you are subject to a criminal penalty of not more than \$250,000 and/or six years imprisonment. This criminal penalty is classified as a class "D" felony under federal law. Contact the Coast Guard Marine Safety Office, Puget Sound at (206) 217-6215 or VHF-FM Channel 16 for more information.

Chart N/A LNM: 32/03

**WASHINGTON - PUGET SOUND - Diving operations**

Geoduck harvesting diving operations will be conducted in the vicinity of Skiff Point from 0800 to 1600 local, Monday through Friday excluding state holidays, from 08 Apr to 21 Jun 04. The Department of Natural Resources patrol boat will be on site and monitoring VHF-FM Channel 8. Mariners are requested to maintain a 300ft CPA from the dive vessels. For additional information, contact the Washington Department of Natural Resources at (360) 902-1100.

Chart 18448 LNM: 15/04

**WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - Ongoing Construction of Pier 36**

During ongoing construction at Pier 36 that is expected to be completed September 2005, barges will be moored on the western face of Pier 36 sporadically. Barges will be marked with white flashing lights on the west corners and extend off the face no more than 110 ft. Mariners are requested to exercise caution in the vicinity of Pier 36.

Chart 18449 LNM: 33/03

**WASHINGTON - COMMENCEMENT BAY - Tacoma - Construction Operations**

An inter-tidal basin has been excavated in approximate position 47-18-23N 122-30-32W. This is part of a construction activity completed at the Asarco Tacoma Smelter Facility of the Commencement Bay Nearshore/ Tidelands Superfund Site Operable Unit 02 (commonly known as the "slag pile"). The dimensions of the basin are approximately 600 ft long (parallel to the shoreline) by 200 ft wide (perpendicular to the shoreline). A rock breakwater with a crest elevation of +10 ft MLLW is located at the seaward edge of the basin. Mariners are urged to use caution when transiting this area as the breakwater is not visible at all tidal conditions.

Chart 18448 LNM: 39/03

**WASHINGTON - STRAIT OF JUAN DE FUCA ENTRANCE - Exposed Submarine Cable (Revision of LNM 42/01)**

25 segments of exposed or partially exposed cable have been identified in the Olympic Coast National Marine Sanctuary (OCNMS). The exposed cable locations are in the vicinity of Cape Flattery to 25 NM offshore. The exposed cables pose the greatest hazard to trawling and fishing vessels. Vessels that suspect their gear is snagged on the exposed cable should call Global Crossing at (800) 409-4471. The positions and lengths of exposed cable (see LNM 45/01 for detailed information available online at <http://www.navcen.uscg.gov/lnm/d13>) are only those identified within the OCNMS. It is likely that there are additional locations of exposed cable outside of the OCNMS. The general area of exposed cable is located within the following coordinates:

Lat/Long	Lat/Long
48-26-45.0N 125-21-18.0W	48-26-45.0N 124-38-15.0W
48-21-18.0N 125-21-18.0W	48-21-18.0N 124-38-15.0W

Chart 18480 LNM: 43/01

**WASHINGTON - PUGET SOUND - COMMENCEMENT BAY - Piling Removal Project**

A piling removal project has commenced at the NW end of the spit separation of the St. Paul and Middle Waterways in approximate position 47-16-10N 122-26-00W. The removal of these pilings may make it difficult to identify the rock pile spit that extends into the bay. Mariners are advised to exercise caution when transiting this area.

Chart 18448 LNM: 52/02

**WASHINGTON - PUGET SOUND - DUWAMISH WATERWAY - Submerged Barge (Revision of LNM 05/03)**

Six barges rather than the one barge previously reported in December 2002, have sunk in the Duwamish Waterway approximately 150 yards south of the 1<sup>st</sup> Avenue Bridge and are protruding into the west side of the channel. The owner of the partially submerged barge has marked the corner in the channel with a red float and a quick flashing red light. Attempts to salvage the barge have been unsuccessful. An announcement will appear in this publication as changes occur. Contact the Army Corps of Engineers at (206) 764-3429 for more information.

Chart 18450 LNM: 16/03

WASHINGTON - PUGET SOUND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
05/25/2004	Interim Evening Tues Evening	Lake Washington	Corinthian Yacht Club
05/26/2004	Spring Series 4	Bellingham Bay	Bellingham Bay
05/26/2004	Wind Seekers Summer Eve A	Commencement Sound	Wind Seekers Yacht Club
05/26/2004	Ballard Cup Series 1	Puget Sound	Shilshole Bay Yacht Club
05/26/2004	Interim Evening-PHRF	Puget Sound	Corinthian Yacht Club
05/26/2004	Interim Evening Wed Evening	Lake Washington	Corinthian Yacht Club
05/27/2004	Interim Evening-One Design	Puget Sound	Corinthian Yacht Club
05/28/2004	UW Rowing Races	Lake Washington	University of Washington Crew
05/28/2004	Pt Orchard YC May Fri Night	Sinclair Inlet	Port Orchard Yacht Club
05/28/2004	ORCA Junior Sailing Clinic	Vicinity Shilshole Bay Marina	Seattle Yacht Club
05/28/2004	ORCA Jr. Clinic	West Point	Corinthian Yacht Club
05/29/2004	ORCA Jr. Clinic	West Point	Corinthian Yacht Club
05/29/2004	ORCA Junior Sailing Clinic	Vicinity Shilshole Bay Marina	Seattle Yacht Club
05/30/2004	Kayak Race	Squalicum Harbor	Bellingham/Whatcom Co
05/30/2004	ORCA Jr. Clinic	West Point	Corinthian Yacht Club
05/30/2004	ORCA Junior Sailing Clinic	Vicinity Shilshole Bay Marina	Seattle Yacht Club
05/30/2004	Mid Dist.	Possession Sound	Milltown Sailing Association
05/30/2004	ORCA Junior Sailing Clinic	Vicinity Shilshole Bay Marina	Seattle Yacht Club

**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
16420	<b>Sequim Bay</b> Entrance Buoy 4	48 04 58 N 123 02 17 W *				Red nun.	21/04
16440	Buoy 10	48 04 14 N 123 02 33 W *				Red nun.	21/04
17450	<b>Olympia Harbor</b> <i>Olympia Channel</i> Lighted Buoy 6	47 03 57 N 122 54 35 W *	<b>FIR 2.5s</b>		3	Red.	21/04
17495	<i>Olympia Channel</i> Buoy 10	47 03 35 N 122 54 29 W *				Red nun.	21/04
17500	<b>Olympia Turning Basin</b> - Buoy 12	47 03 26 N 122 54 31 W *				Red nun.	21/04
17505	- Buoy 14	47 03 19 N 122 54 33 W *				Red nun.	21/04
17510	- Buoy 16	47 03 06 N 122 54 31 W *				Red nun.	21/04
17515	- Buoy 18	47 03 05 N 122 54 27 W *				Red nun.	21/04
17600	<b>Kilisut Harbor</b> - Buoy 3	48 04 56 N 122 44 22 W *				Green can.	21/04
17605	- Buoy 5	48 05 02 N 122 44 09 W *				Green can.	21/04
18160	<b>Shilshole Bay</b> - Channel Buoy 10	47 40 05 N 122 24 22 W *				Red nun.	21/04

18250	<b>Union Bay Channel</b> - Buoy 16	47 38 49 N 122 17 53 W *			Red nun.		21/04
18405	<b>Squaxin Passage</b> - Reef Buoy 2	47 10 43 N 122 55 21 W *			Red nun.		21/04
18700	<b>Oak Harbor</b> - Lighted Buoy 8	48 16 24 N 122 38 46 W *	FIR 6s	4	Red.		21/04
19050	<b>Anacortes Harbor</b> Anacortes Channel Buoy 3	48 30 32 N 122 35 41 W *			Green can.		21/04
19080	<b>Swinomish Channel North Entrance</b> - Buoy 4	48 30 21 N 122 33 10 W *			Red nun.		21/04
19730	<b>Mosquito Pass</b> - Buoy 3	48 35 03 N 123 10 22 W *			Green can.		21/04
19740	- Buoy 6	48 35 28 N 123 10 31 W *			Red nun.		21/04

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**PUBLICATION CORRECTIONS**

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None

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**ENCLOSURES**

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Oregon - Washington - Columbia River - Dredging Operations >See Append 1<  
Coos Bay - Tabulation – Coos Bay and Isthmus Slough Channel >See Append 2<

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

D. R. McCRIMMON, JR.  
Commander, U.S. Coast Guard  
Chief, Aids to Navigation & Waterways Management Branch  
Thirteenth Coast Guard District  
By direction of the District Commander

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**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
In progress	31 May04	24 hours 7 days	Grays Harbor Navigational Channel Outer Harbor	Sugar Island	Rouge River	13 and 16 VHF-FM	Point Chehalis Open Water Disposal Area	18/04
In progress	28 May04	24 hours 7 days	Grays Harbor Bar Channel and Entrance Channel	Essayons Yaquina		13 and 16 VHF-FM	South Beach and Half Moon Bay	19/04

\*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.

CHART 18587

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE RANGE	39	39	38	2-04	--	1.9	47-37
ENTRANCE RANGE AND TURN	39	46	32	8-03	300-1050	0.5	37
INSIDE RANGE	38	38	38	8-03	300	0.6	37
COOS BAY RANGE	36	37	37	8-03,2-04	300	1.6	37
EMPIRE RANGE	36	37	38	2-04	300	1.3	37
LOWER JARVIS RANGE	35	35	36	2-04	300	0.8	37
JARVIS TURN	37	38	33	2-04	300	0.5	37
UPPER JARVIS RANGE	33	34	34	2-04	300-700	1.9	37
NORTH BEND LOWER RANGE	38	38	37	2-04	400	0.4	37
NORTH BEND RANGE	32	37	33	2-04	400	0.9	37
NORTH BEND UPPER RANGE	35	38	37	2-04	400	0.6	37
LOWER TURNING BASIN	35	38	36	2-04	400-900	0.3	37
FERNDALE LOWER RANGE	39	39	38	2-04	400	0.4	37
FERNDALE TURN	36	38	38	2-04	400	0.2	37
FERNDALE UPPER RANGE	26	36	34	2-04	400	0.7	37
MARSHFIELD RANGE	37	36	33	2-04	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	35	33	31	2-04	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION