



U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS MONTHLY EDITION

District: 13

Week: 05/04

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

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
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LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2003 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 or on the World Wide Web at: <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.

<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-0124-04	D13-0152-04

ABBREVIATIONS

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

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
TR-TY - Red Triangle with Yellow Triangle on pile
TRUB - Temporarily Replaced by Unlighted Buoy

Additional Abbreviations Specific to this LNM Edition:

DEST - Destroyed

LED - Light Emitting Diode

LWP - Light Watching Properly

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

THIRTEENTH COAST GUARD DISTRICT - PACIFIC BEACH NATIONAL DISTRESS SYSTEM HIGH SITE OUTAGE

Due to equipment failure on U.S. Coast Guard Group Astoria high site located near Pacific Beach, WA, the Coast Guard is unable to monitor distress calls on VHF-FM channel 16. All mariners transiting in the vicinity of Cape Elizabeth between latitudes 47-01-18N and 47-32-42N are requested to monitor VHF-FM channel 16 for possible distress calls and relay them to the nearest Coast Guard station. For additional information, contact U.S. Coast Guard Group Astoria at (503) 861-6211.

Chart 18500

LNM: 05/04

WASHINGTON - PORT OF TOWNSEND - Construction Activities

The Caicos Corporation will be conducting construction activities southwest of the Port of Townsend Boat Haven Marina at 48-06-12N 122-46-38W from 3 Feb to 8 Feb 04. Mariners are requested to exercise caution in the vicinity of construction. For additional information, contact Caicos Corporation at (206) 842-9678.

Chart 18464

LNM: 05/04

SNAKE RIVER - ICE HARBOR NAVIGATIONAL LOCK

The Ice Harbor Navigational Lock, located at Snake River mile 9.7, is continuing to operate with only one drain valve. Because of this, lockages may be slower than normal. Repair of the broken drain is planned during the lock maintenance outage beginning at 0600 local, 6 Mar 04. For additional information, contact ACOE Walla Walla District at (509) 527-7115.

Chart 18545

LNM: 05/04

WASHINGTON - LAKE WASHINGTON - Small lock closure

The Lake Washington small lock will be closed for annual maintenance from 8 Mar to 19 Mar 04. The large lock will remain open, but additional brief delays may be experienced. For additional information, contact the Lake Washington Ship Canal at (206) 789-2622 ext 203.

Chart 18441

LNM: 05/04

WASHINGTON - STRAIT OF JUAN DE FUCA - Gunnery Exercise

The U.S. Coast Guard will be conducting gunnery exercises to a maximum of 10,000ft in area Whiskey Hotel from 0700 to 1600 local 24 Feb and possibly from 0700 to 1600 local 26 Feb 04.

Chart 18480

LNM: 05/04

THIRTEENTH COAST GUARD DISTRICT - Private Aids to Navigation and the Use of Light Emitting Diode (LED) Equipment

Private aids to navigation are any marine aid to navigation established and maintained by anyone, public or private, other than the U.S. Coast Guard (Authority: Title 33, Code of Federal Regulations, Part 66). A regulatory change allowing the use of Light Emitting Diode (LED) equipment as a private aid to navigation will go into affect on 08 March 2004. For additional information about this regulatory change and the U. S. Coast Guard Private Aids to Navigation program visit our web site at: <http://www.uscg.mil/d13/oan/paton>. Additionally you may also contact the 13th Coast Guard District Private Aids to Navigation Manager at: d13paton@pacnorwest.uscg.mil or (206) 220-7285.

Chart N/A

LNM: 04/04

COLUMBIA RIVER - BONNEVILLE, THE DALLES, AND JOHN DAY DAMS - Closures (Revision of LNM 03/04)

The Bonneville and The Dalles Dams will be closed for inspection, maintenance, and repair from 0630 local 06 Mar to 2359 local 20 Mar 04.

The John Day Navigational Locks will be closed for 48 hour closures for inspection, maintenance, and repair from 1200 local the first day until 0900 local the last day on 01-03, 08-10, 15-17, 22-24 Feb, and 29 Feb to 02 Mar 04. The John Day Navigational Locks will be closed for 28 days from 0630 local 06 Mar 04 to 0630 local 03 Apr 04. Additionally, 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. For additional information, contact ACOE Portland District at (503) 808-4333.

Charts 18531, 18533, 18535

LNM: 04/04

COLUMBIA AND SNAKE RIVERS - Annual Maintenance Lock Closures (Revision of LNM 52/03)

The McNary Lock and Dam, Ice Harbor Lock and Dam, Lower Monumental Lock and Dam, Little Goose Lock and Dam, and Lower Granite Lock and Dam will be closed for maintenance, inspection and repair work from 0600 local 06 Mar 04 to 2359 local 20 Mar 04. Additionally the Lower Monumental Lock will be closed to river traffic from 2359 20 Mar to 2359 local 27 Mar 04. For additional information, contact ACOE Walla Walla District at (509) 527-7115.

Charts 18541, 18545, 18547, 18548

LNM: 04/04

WASHINGTON - ADMIRALTY INLET - Diving Operations

The Submerged Cultural Resources Exploration Team will be conducting dive operations at 47-55-30.0N 122-32-10.2W from 1230 to 1530 local 7 Feb and from 1300 to 1600 local 8 Feb 04. The dive platform will monitor VHF-FM channels 13 and 14. For additional information, contact Submerged Cultural Resources Exploration Team at (425) 455-3173.

Chart 18473

LNM: 03/04

WASHINGTON - EAST PASSAGE - Geoduck Harvesting

Geoduck harvesting dive operations will commence on 2 Feb 04 in the vicinity of Tramp Harbor on the east side of Vashon Island and on 15 Mar 04 in the vicinity of Sandy Point in Nisqually Reach. Diving operations will be conducted from 0800 to 1630 local, Mon through Fri excluding state holidays and finish 1 Apr 04. The Dept of Natural Resources patrol boat will be on site daily and monitor VHF-FM channel 8. The harvest vessels will display code ALPHA and the red and white sport dive flag. Vessels transiting the area are requested to stay 300 yds clear for divers safety.

Chart 18448

LNM: 03/04

MONTANA - LORSTA HAVRE - LORAN-C Proposed Outage

LORAN Station Havre (Rate 8290-M) proposes an unusable time from 1700 to 1900Z on 19 Feb 04. The alternate time will be from 1700 to 1900Z on 20 Feb 04. Objections will be considered until 0900 local on 13 Feb 04. For additional information or objections, contact the Chain Operations Control Officer, U.S. West Coast Chain at (707) 765-7518/7598.

Chart N/A

LNM: 03/04

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
765/ 16150	Duntze Rock Lighted Whistle Buoy 2D	REDINT / 3NM TEMP LED	18480	D13-0755-03	26/03	
8775	Coos Bay Channel Lighted Bell Buoy 5	Off Station / 12 yds bearing 120°T	18587	D13-1218-03	39/03	
9785	Depoe Bay Entrance Lighted Bell Buoy 2	EXT	18561	D13-1361-03	43/03	
9815	Tillamook Bay Entrance Bell Buoy 1	REDINT / 3NM TEMP LED	18521	D13-1446-03	47/03	
9930	Peacock Spit Lighted Bell Buoy 7	REDINT / 3NM TEMP LED	18521	D13-0100-04	04/04	
10365	Price Island Light 35	EXT / DBD MISS / TRUB	18523	D13-0818-03	28/03	
10425	Puget Island Light 49	EXT / Structure DMGD / TRLB	18523	D13-1169-03	38/03	
14435	Baker Bay West Channel Daybeacon 7	DBD MISS / IMPCHA	18521	D13-0123-04	05/04	
15005	Elk Rock Buoy 10	Submerged	18528	D13-0134-04	05/04	
16075	Quillayute River Approach Lighted Whistle Buoy Q	REDINT / 3NM TEMP LED	18480	D13-0883-03	30/03	
17390	Itsami Ledge Light 7	EXT	18448	D13-0150-04	05/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB	18441	D13-0710-03	25/03	
19025	Padilla Bay Lighted Gong Buoy 5	EXT	18421	D13-0113-04	04/04	
19555	Cattle Point Light	F/S INOP	18421	D13-0144-04	05/04	
19935	International Boundary Range C Front Light	IMPCHA	18421	D13-1191-02	38/02	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
16370	Rosario Strait Traffic Lane Separation Lighted Buoy RA	LWP	18465	D13-0152-04	02/04	05/04
17405	Olympia Shoal Light	LWP	18448	D13-0141-04	04/04	05/04

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-1143-02	36/02	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
16795	ACOE Shilshole Bay South Lighted Mooring Buoy	MISS	18441	D13-0118-04	04/04	
17731	Mariculture Lighted Buoys (2)	MISS (1 of 2 buoys)	18441	D13-0329-03	11/03	
18131	NOAA Research	TEMP DISCON	18447	D13-0677-03	25/03	

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
14425	Baker Bay West Channel Buoy 3	TEMP Off Station Due To Dredging	18521	D13-0841-03	29/03	
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 TH ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
<p>Chart Title: 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.

18521	70th ed	Oct 2003	Last LNM 02/04	NAD 83				(NOS NW -7299)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - PACIFIC OCEAN TO HARRINGTON POINT									
Add	Tabulation: Columbia River		centered	at	46-07-54.0N	123-45-55.0W			
COLUMBIA RIVER CHANNEL									
ENTRANCE TO MILLER SANDS									
18523	54th ed	Oct 2003	Last LNM 03/04	NAD 83				(NOS NW -7300)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - HARRINGTON POINT TO CRIMS ISLAND									
Add	Tabulation: Columbia River		centered	at	46-08-44.0N	123-32-06.0W			
MILLER SANDS RANGE TO									
GULL ISLAND TURN									
18524	33rd ed	23 Jan 2002	Last LNM 03/04	NAD 83				(NOS NW -7303)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - CRIMS ISLAND TO SAINT HELENS									
Add	Tabulation: Columbia River		centered	at	46-03-45.0N	122-57-49.0W			
GULL ISLAND TURN &									
CHANNEL TO SAINT HELENS TURN									
18525	33rd ed	30 Jun 2001	Last LNM 03/04	NAD 83				(NOS NW -7305)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - SAINT HEL ENS TO VANCOUVER									
Add	Tabulation: Columbia River		centered	at	45-36-47.0N	122-51-51.0W			
SAINT HELENS TURN TO TOMAHAWK BAR									
18526	56th ed	Dec 2003	Last LNM 03/04	NAD 83				(NOS NW -7306)	05/04
<i>Chart Title:</i> OR-WA-PORT OF PORTLAND INCLUDING VANCOUVER									
Add	Tabulation: Columbia River		centered	at	45-32-36.0N	122-45-19.0W			
MORGAN CHANNEL TO TOMAHAWK BAR									
18531	21st ed	Dec 2003	Last LNM 03/04	NAD 83				(NOS NW -7307)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - VANCOUVER TO BONNEVILLE									
Add	Tabulation: Columbia River		centered	at	45-38-08.0N	122-14-55.0W			
TOMAHAWK BAR TO BONNEVILLE LOCKS									
18533	11th ed	Aug 1998	Last LNM 53/02	NAD 83				(CGD13)	05/04
<i>Chart Title:</i> COLUMBIA RIVER - LAKE CELILO									
Relocate	The Dalles Dam Buoy "A" (45° 37' 04.9N 121° 07' 57.5"W)		to		45° 37' 04.5"N	121° 07' 58.1"W			
Relocate	The Dalles Dam Buoy "D" (45° 37' 12.2N 121° 07' 25.0"W)		to		45° 37' 12.0"N	121° 07' 25.8"W			
18541	8th ed	Mar 2002	Last LNM 28/03	NAD 83				(CGD13)	05/04
<i>Chart Title:</i> OR-WA-COLUMBIA RIVER - MCNARY DAM TO JUNIPER									
Relocate	McNary Dam Buoy "F"(45° 55' 55.4N 119° 17' 17.0"W)		to		45° 55' 55.3"N	119° 17' 22.2"W			
18545	15th ed	Sep 2003	Last LNM 44/03	NAD 83				(CGD13)	05/04
<i>Chart Title:</i> WA-SNAKE RIVER - LAKE SACAJAWEA									
Relocate	Lower Monumental Dam Buoy "A" (46° 33' 50.8N 118° 31' 59.0"W)		to		46° 33' 49.2"N	118° 31' 58.8"W			
Relocate	Lower Monumental Dam Buoy "B" (46° 33' 57.0N 118° 31' 59.0"W)		to		46° 33' 55.9"N	118° 31' 58.3"W			
18546	9th ed	Jan 1998	Last LNM 14/03	NAD 83				(CGD13)	05/04
<i>Chart Title:</i> SNAKE RIVER - LAKE HERBERT G. WEST									
Relocate	Lower Monumental Dam Buoy "A" (46° 33' 50.8N 118° 31' 59.0"W)		to		46° 33' 49.2"N	118° 31' 58.8"W			
Relocate	Lower Monumental Dam Buoy "B" (46° 33' 55.9N 118° 31' 56.5"W)		to		46° 33' 55.9"N	118° 31' 58.3"W			

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

Drill Rigs/Vessels Established

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

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>Waterway</u>	<u>Project Date</u>	<u>Ref. LNM</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 Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – GRAYS HARBOR	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Grays Harbor Approach Lighted Whistle Buoy "GH" (LLNR 15535/725); from 6 to 5 nautical miles
Grays Harbor Entrance Lighted Whistle Buoy 4 (LLNR 15560); from 3 to 4 nautical miles
Grays Harbor South Reach Lighted Junction Buoy "SC" (LLNR 15660); from 3 to 4 nautical miles
Grays Harbor North Channel Lighted Buoy 32 (LLNR 15755); from 3 to 4 nautical miles
Grays Harbor North Channel Lighted Buoy 34 (LLNR 15760); from 4 to 5 nautical miles
Chart 18502

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Yaquina Bay	06 Feb 2004		LNM: 52/03

Navigation Aid: To accommodate Light Emitting Diode (LED) Lanterns, change nominal range as indicated below:

Yaquina Bay Channel Lighted Buoy 9 (LLNR 9645); from 5 to 4 nautical miles
Chart 18561

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – COOS BAY	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Coos Bay Channel Lighted Buoy 23 (LLNR 8955); from 5 to 4 nautical miles
Coos Bay Channel Lighted Buoy 29 (LLNR 9005); from 4 to 3 nautical miles
Chart 18587

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
PACIFIC OCEAN TO HARRINGTON POINT – Columbia River	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Clatsop Spit Lighted Whistle Buoy 14 (LLNR 9970); from 3 to 4 nautical miles
Tongue Point Channel Lighted Buoy 43 (LLNR 10155); from 5 to 4 nautical miles
Chart 18521

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – Blair Waterway	20 Feb 2004		LNM: 02/04

Navigation Aids: To properly align the waterway, rename/renumber the aids to navigation indicated below:

Change Blair Waterway Light 1 (LLNR 14166) to Blair Waterway Light 3 (LLNR 14166)
Change Blair Waterway Light 2 (LLNR 17167) to Blair Waterway Light 4 (LLNR 17167)
Change Blair Waterway Light 3 (LLNR 17168) to Blair Waterway Light 5 (LLNR 17168)
Change Blair Waterway Light 4 (LLNR 17169) to Blair Waterway Light 6 (LLNR 17169)
Chart 18448

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT	27 Feb 2004		LNM: 03/04

Navigation Aid: To accommodate Light Emitting Diode (LED) Lantern, change nominal range as indicated below:

Peacock Spit Lighted Bell Buoy 7 (LLNR 9930); from 4 to 3 nautical miles
Chart 18521

SECTION VII - GENERAL

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

OREGON - Bridge Information

Willamette River

The Burnside Bridge at mile 12.4 need not open the draw span from 0700 to 0900 local on 14 Mar 04 during the Shamrock Run.
Chart 18526 LNM: 05/04

OREGON - Bridge Information

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. Additionally the draw need not open for passage of vessels beginning 0700 the first day until 2300 local on the last day of the following dates: 27 Feb to 2 Mar, 4 to 6 Mar, 9 to 11 Mar, 13 to 17 Mar, 19 to 23 Mar, 25 to 27 Mar, 29 Mar to 1 Apr, 3 to 6 Apr, 8 to 10 Apr, 12 to 15 Apr, 17 to 21 Apr and from 23 to 26 Apr 04.
Chart 18526 LNM: 04/04

OREGON - Bridge Information

Wishkah River

The Wishkah Street Railroad Bridge at mile 0.4 is stuck in the closed position until further notice.
Chart 18502 LNM: 47/03

OREGON - Bridge Information

Coquille River

The vertical lift span of the Bullard Ferry Bridge at Coquille River mile 3.5 is inoperable in the closed position until further notice.
Chart 18588 LNM: 20/03

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 - SNAKE RIVER - Bridge Information

Longview

Work platforms have been installed at various locations underneath the Lewis and Clark Bridge reducing vertical clearance by approximately 8 feet. Mariners are advised that the overhead deck replacement presents a risk of falling debris.
Chart 18524 LNM: 35/03

COLUMBIA RIVER - SNAKE RIVER - Bridge Information

Burbank

The Burlington Northern Santa Fe Bridge at mile 1.5 draw need not open from 0800 08 Mar to 1700 local 12 Mar 04 and from 0800 15 Mar to 1700 local 16 Mar 04 due to cable replacement operations on the vertical lift span.
Chart 18545 LNM: 04/04

COLUMBIA RIVER - SNAKE RIVER - Bridge Information

Vancouver / Portland

The Burlington Northern Santa Fe Railroad swingbridge need not open for the passage of vessels from 0800 to 1800 local daily on 10, 11, and 12 Mar 04, in order to perform essential maintenance.
Charts 18524 and 18526 LNM: 05/04

WASHINGTON - Bridge Information

Hoquiam River

The Simpson Ave Bridge at mile 0.5 and the Riverside Ave Bridge at mile 0.9 need not open for the passage of vessels unless two hours notice is given during a seismic retrofit project. The special operating procedure will be in effect from 0600 local 16 Feb to 1800 local 15 Apr 04.
Chart 18502 LNM: 04/04

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

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 31/03)

The Coast Guard has issued a safety zone regulation until 06 Feb 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 122-32-49W and 47-16-15N 122-33-15W. 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: 32/03

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	LNM
Snake River mile 2.1	State Highway 12	Burbank, OR	EXT	22 Jan 04	0089-04	04/04

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	LNM
None						

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.

Chart N/A

LNM: 15/03

THIRTEENTH COAST GUARD DISTRICT - RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ

The U.S. Coast Guard international distress and calling radiotelephone service on the frequency 2182.0 kHz may be operating at reduced power and sensitivity due to shoreside radio infrastructure problems. Action is underway to correct these problems.

The U.S. Coast Guard is operating a medium frequency Digital Selective Calling distress and safety service on a trial operational basis only. A Global Maritime Distress and Safety System (GMDSS) Sea Area A2 will not be declared in U.S. waters until shoreside radio infrastructure problems can be corrected.

Chart N/A

LNM: 01/04

COLUMBIA RIVER - THREE TREE POINT - Research Buoys

Three research buoys located at 46-16-00.0N 123-31-30.0W, 46-15-48.0N 123-31-08.0W, and 46-16-44.0N 123-31-31.0W are reported missing.

Chart 18523

LNM: 43/03

COLUMBIA RIVER - PORT OF ASTORIA - Construction

Bergerson Construction will have barges, cranes, tugs and work platforms in the vicinity of Pier 3, West Basin and East Basin at the Port of Astoria from 01 Nov 03 to 01 May 04. Mariners are requested to exercise caution in the vicinity of construction. For additional information contact Bergerson Construction at (503) 325-7130.

Chart 18521

LNM: 43/03

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 AND SNAKE RIVERS - 2003 Winter Seasonal Lockage Schedule for Recreational Craft (revision to LNM 19/03)

The U.S. Army Corps of Engineers, Walla Walla and Portland Districts, have implemented the 2003 winter seasonal lockage schedule 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 River 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/rl> 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 16 September 2003:

Traffic Direction			
Upstream Lockages	8:00 a.m.	11:00 p.m.	3:00 p.m.
Downstream Lockages	8:30 a.m.	11:30 p.m.	3:30 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 manager 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	David Coleman	(541) 922-2251	(541) 922-3214
Ice Harbor	Scott Sutliff	(509) 543-3256	(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: 35/03

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 - COAST GUARD REGIONAL EXAM CENTER PORTLAND - Closure

Effective 4 Feb 2004 the Coast Guard Regional Exam Center (REC) Portland, OR will be closed every Wednesday afternoon for employee training and mariner application processing. For additional information, contact REC Portland at (503) 240-9346

Chart N/A

LNM: 02/04

WASHINGTON - GRAYS HARBOR - Instrumentation Platforms

Pacific International Engineering deployed four instrumentation platforms on 9 Dec 03 at 46-54-34.7N 124-08-00.0W, 46-54-28.9N 124-07-19.1W, 46-54-14.2N 124-07-29.2W, and 46-54-14.7N 124-07-43.9W. The highest platform is approximately 3ft to 4ft above the bottom and all platforms have a 12in orange trawl and 14in orange crab float. All platforms are tentatively scheduled to be removed 9 Feb 04. For additional information contact Pacific International Engineering at (425)744-7700.

Chart 18502

LNM: 50/03

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 - EAST PASSAGE – Construction (Revision of LNM 46/03)

Construction has commenced on a sewer outfall pipe south of Three Tree Point Light (LLNR 16980). The outfall pipe is marked with buoys every 25ft along the 700ft length. Construction will be completed 15 Feb 04. Mariners are requested to exercise caution in the vicinity of the outfall pipeline. For additional information contact Caicos Corp. at (206) 842-9678.

Chart 18448

LNM: 46/03

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° 30'00" West Longitude [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 - BELLINGHAM - Dredging and Construction

The American Construction Co will be conducting construction and dredging operations in the Squalicum Outer Harbor Marina from 15 Sep 03 to 01 Mar 04.

Chart 18421

LNM: 36/03

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/ Tideflats Superfund Site Operable Unit 02 (commonly known as the "slag pile"). The dimensions of the basin are approximately 600 feet long (parallel to the shoreline) by 200 feet wide (perpendicular to the shoreline). A rock breakwater with a crest elevation of +10 feet 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 1st 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
02/01/2004	Sailboat Race	Lake Union	Northwest Riggers Yacht Club
02/07/2004	Sailboat Race	Shilshole Bay	Sloop Tavern Yacht Club
02/07/2004	Gov Teats Memorial	Quartermaster Harbor	Tacoma Yacht Club
02/08/2004	Sailboat Race	Lake Union	Northwest Riggers Yacht Club
02/08/2004	Winter Series	Possession Sound	Milltown Sailing Association
02/14/2004	Toliva Shoal Race	South Puget Sound	SSSailing Society/Oly YC
02/14/2004	Snowbird Series	Puget Sound	Shilshole Yacht Club
02/14/2004	Navigation Contest	Sinclair Inlet-Rich Passage	Bremerton Yacht Club
02/15/2004	Winter Classic Race	Shaw Island	Orcas Yacht Club
02/15/2004	Winter Classic Race	Shaw Island	Orcas Island Yacht Club
02/15/2004	Winter Calassic Race	Shaw Island	Orcas Island Yacht Club
02/15/2004	Sailboat Race	Lake Union	Northwest Riggers Yacht Club
02/15/2004	Winter Classic Race	Shaw Island	Orcas Island Yacht Club
02/21/2004	Windjammer Series	Middle Puget Sound	Three Tree Point YC
02/22/2004	Winter Series	Possession Sound	Milltown Sailing Association

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
The Dalles Dam							
12135	- Buoy A Marks restricted area.	45 37 05 N 121 07 58 W *					White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
12140	- Buoy B Marks restricted area.	45 37 07 N 121 07 45 W *					White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
12145	- Buoy C Marks restricted area.	45 37 10 N 121 07 34 W *					White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
12150	- Buoy D Marks restricted area.	45 37 12 N 121 07 26 W *					White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
McNary Dam							
12820	- Buoy A	45 56 28 N 119 17 22 W *					White can with orange bands and orange diamond with orange center cross worded DAM. 05/04

12825	- Buoy B	45 56 22 N 119 17 14 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12830	- Buoy C	45 56 15 N 119 17 14 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12835	- Buoy D	45 56 07 N 119 17 13 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12840	- Buoy E	45 56 01 N 119 17 18 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12845	- Buoy F	45 55 55 N 119 17 22 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12850	- Buoy G	45 55 50 N 119 17 26 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
12855	- Buoy H	45 55 46 N 119 17 34 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
Ice Harbor Dam				
13230	- Buoy B Marks restricted area.	46 15 04 N 118 52 25 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13235	- Buoy C Marks restricted area.	46 15 00 N 118 52 13 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13240	- Buoy D Marks restricted area.	46 14 56 N 118 52 20 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13245	- Buoy F Marks restricted area.	46 14 52 N 118 52 35 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
Lower Monumental Dam				
13485	- Buoy A	46 33 49 N 118 31 59 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13490	- Buoy B	46 33 56 N 118 31 58 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13495	- Buoy C	46 34 01 N 118 32 03 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04
13500	- Buoy D	46 33 58 N 118 32 10 W *	White can with orange bands and orange diamond with orange center cross worded DAM.	05/04

Little Goose Dam			
13685	- Buoy B Marks restricted area.	46 35 04 N 118 01 17 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
13690	- Buoy C Marks restricted area.	46 35 11 N 118 01 12 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
13695	- Buoy D Marks restricted area.	46 35 18 N 118 01 13 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
Lower Granite Dam			
13920	- Buoy A	46 39 29 N 117 25 29 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
13925	- Buoy B	46 39 26 N 117 25 25 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
13930	- Buoy C	46 39 21 N 117 25 18 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04
13935	- Buoy D	46 39 19 N 117 25 20 W *	White can with orange bands and orange diamond with orange center cross worded DAM. 05/04

PUBLICATION CORRECTIONS

Publication—National Ocean Service—U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 27.

Coast Pilot 7 35th 2003

Corrections

Page 181-Paragraph 3050, insert after:

§165.1317 Security and Safety Zone; Large Passenger Vessel Protection, Puget Sound and adjacent waters, Washington.

(a) *Notice of enforcement or suspension of enforcement.* The large passenger vessel security and safety zone established by this section will be enforced only upon notice by the Captain of the Port Puget Sound. Captain of the Port Puget Sound will cause notice of the enforcement of the large passenger vessel security and safety zone to be made by all appropriate means to effect the widest publicity among the affected segments of the public including publication in the **Federal Register** as practicable, in accordance with 33 CFR 165.7(a).

Such means of notification may also include but are not limited to, Broadcast Notice to Mariners or Local Notice to Mariners. The Captain of the Port Puget Sound will issue a Broadcast Notice to Mariners and Local Notice to Mariners notifying the public when enforcement of the large passenger vessel security and safety zone is suspended.

(b) *Definitions.* The following definitions apply to this section:

Federal Law Enforcement Officer means any employee or agent of the United States government who has the authority to carry firearms and make warrantless arrests and whose duties involve the enforcement of criminal laws of the United States.

Large Passenger Vessel means any cruise ship over 100 feet in length carrying passengers for hire, and any auto ferries and passenger ferries over 100 feet in length carrying passengers

for hire such as the Washington State Ferries, M/V COHO and Alaskan Marine Highway Ferries. Large Passenger Vessel does not include vessels inspected and certificated under 46 CFR, Chapter I, Subchapter T such as excursion vessels, sight seeing vessels, dinner cruise vessels, and whale watching vessels.

Large Passenger Vessel Security and Safety Zone is a regulated area of water established by this section, surrounding large passenger vessels for a 500-yard radius to provide for the security and safety of these vessels.

Navigable waters of the United States means those waters defined as such in 33 CFR part 2.

Navigation Rules means the Navigation Rules, International-Inland.

Official Patrol means those persons designated by the Captain of the Port to monitor a large passenger vessel security and safety zone, permit entry into the zone, give legally enforceable orders to persons or vessels within the zone and take other actions authorized by the Captain of the Port. Persons authorized in paragraph (1) to enforce this section are designated as the Official Patrol.

Public vessel means vessels owned, chartered, or operated by the United States, or by a State or political subdivision thereof.

Washington Law Enforcement Officer means any General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, or Specially Commissioned Washington Peace Officer as defined in Revised Code of Washington section 10.93.020.

(c) *Security and safety zone.* There is established a large passenger vessel security and safety zone extending for a 500-yard radius around all large passenger vessels located in the navigable waters of the United States in Puget Sound, WA, east of 123°30' West Longitude. [Datum: NAD 1983].

(d) *Compliance.* The large passenger vessel security and safety zone established by this section remains in effect around large passenger vessels at all times, whether the large passenger vessel is underway, anchored, or moored. Upon notice of enforcement by the Captain of the Port Puget Sound, the Coast Guard will enforce the large passenger vessel security and safety zone in accordance with rules set out in this section. Upon notice of suspension of enforcement by the Captain of the Port Puget Sound, all persons and vessels are authorized to enter, transit, and exit the large

passenger vessel security and safety zone, consistent with the Navigation Rules.

(e) The Navigation Rules shall apply at all times within a large passenger vessel security and safety zone.

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

(g) To request authorization to operate within 100 yards of a large passenger vessel that is underway or at anchor, contact the on-scene official patrol or large passenger vessel master on VHF-FM channel 16 or 13.

(h) When conditions permit, the on-scene official patrol or large passenger vessel master should:

(1) Permit vessels constrained by their navigational draft or restricted in their ability to maneuver to pass within 100 yards of a large passenger vessel in order to ensure a safe passage in accordance with the Navigation Rules; and

(2) Permit vessels that must transit via a navigable channel or waterway to pass within 100 yards of an anchored large passenger vessel or within 25 yards of a moored large passenger vessel with minimal delay consistent with security.

(i) When a large passenger vessel approaches within 100 yards of any vessel that is moored or anchored, the stationary vessel must stay moored or anchored while it remains within the large passenger vessel's security and safety zone unless it is either ordered by, or given permission by the Captain of the Port Puget Sound, his designated representative or the on-scene official patrol to do otherwise.

(j) *Exemption.* Public vessels as defined in paragraph (b) of this section are exempt from complying with paragraphs (c), (d), (f), (g), (h), and (i), of this section.

(k) *Exception.* 33 CFR part 161 contains Vessel Traffic Service regulations. When measures or directions issued by Vessel Traffic Service Puget Sound pursuant to 33 CFR part 161 also

apply, the regulations govern rather than the regulations in this section.

(1) *Enforcement*. Any Coast Guard commissioned, warrant or petty officer may enforce the rules in this section. In the navigable waters of the United States to which this section applies, when immediate action is required and representatives of the Coast Guard are not present or not present in sufficient force to provide effective enforcement of this section in the vicinity of a large passenger vessel, any Federal Law Enforcement Officer or Washington Law Enforcement Officer may enforce the rules contained in this section pursuant to 33 CFR 6.04-11. In

addition, the Captain of the Port may be assisted by other federal, state or local agencies in enforcing this section.

(m) *Waiver*. The Captain of the Port Puget Sound may waive any of the requirements of this section for any vessel or class of vessels upon finding that a vessel or class of vessels, operational conditions or other circumstances are such that application of this section is unnecessary or impractical for the purpose of port security, safety or environmental safety.

(FR 1/14/04)

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 28.

Coast Pilot 7 35th 2003

Corrections

Page 218-Paragraph 3864 through Paragraph 3878, read:

§334.1220 Hood Canal, Bangor; naval restricted areas.

(a) Hood Canal, Bangor; Naval restricted areas-(1) Area No. 1. That area bounded by a line commencing on the east shore of Hood Canal at latitude 47°46'18"N, longitude 122°42'18"W; thence latitude 47°46'32"N, longitude 122°42'20"W; thence to latitude 47°46'38"N, longitude 122°42'52"W; thence to latitude 47°44'15"N, longitude 122°44'50"W; thence to latitude 47°43'53"N, longitude 122°44'58"W; thence to latitude 47°43'17"N, longitude 122°44'49"W.

(2) Area No. 2. Waters of Hood Canal within a circle of 1,000 yards diameter centered on a point located at latitude 47°46'26"N, longitude 122°42'49"W.

(3) The regulations-(i) Area No. 1. No person or vessel shall enter this area without permission from the Commander, Naval Submarine Base Bangor, or his/her authorized representative.

(ii) Area No. 2. (A) The area will be used intermittently by the navy for magnetic silencing operations.

(B) Use of any equipment such as anchors, grapnels, etc., which may foul underwater installations within the restricted area, is prohibited at all times.

(C) Dumping of any nonbuoyant objects in this area is prohibited.

(D) Navigation will be permitted within that portion of this circular area not lying within Area No. 1 at all times except when magnetic silencing operations are in progress.

(E) When magnetic silencing operations are in progress, use of the area will be indicated by display of quick flashing red beacons on the pier located in the southwest quadrant of the area.

(4) Enforcement. The regulations in this subsection shall be enforced by the Commander, Naval Submarine Base Bangor, or his/her authorized representative.

(FR 1/5/04; CL 23/04)

Page 244-Pararagraph 52, line 4; read: and any other U.S. port, are subject to pilotage. Further information regarding pilotage requirements are detailed in the Pilotage section of the **Port of San Diego Tariff**, available through the ship's agent or directly from the Port District at (619) 686-6343.

(CL 70/04)

Page 244-Paragraph 54, lines 4-11-; read: monitors VHF-FM channels 16 and 12, 1 hour prior to scheduled vessel arrivals; VHF-FM channel 12 is used as a working frequency. If contact with the pilot is needed prior to 1 hour in advance of arrival, information should be relayed via the ship's agent.

The San Diego Bay Pilots have two pilot boats; a 65-foot white vessel with the word PILOT on the front of the fly bridge and a 38-foot white monohull with the word PILOT on the front of the wheelhouse. Both boats display the

International Code flag 'H' while engaged in pilotage duties during daylight hours and white over red lights at night.

Arrangements for pilots are made via ship's agent and boarding information via radio by calling "San Diego Pilots" on VHF-FM channel 12. Pilots request ...

(CL 70/04)

Page 245-Paragraph 55, lines 2-6; read:

Approach Lighted Whistle Buoy SD (32°37'18"N., 117°14'48"W.) When approaching San Diego, vessels should pass to the S and E of the buoy leaving it on the port side when making the approach, unless otherwise directed by the pilot. When boarding, pilots request vessels maintain a speed of 7 knots and rig the pilot ladder 6 feet above the water on the lee side.

(CL 70/04; LL/03)

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 29.

Coast Pilot 7 35th 2003

Corrections

Page 506-Paragraph 14, line 22; read:
sound). **To report an oil spill call 1-800-258-5990.**

The **U.S. Coast Guard** and the **Puget Sound Harbor Safety Committee** have developed and adopted a Harbor Safety Plan that formally establishes a set of Standards of Care for Puget Sound and surrounding waters. The standards and protocols contained in the **Puget Sound Harbor Safety Plan** complement and supplement existing federal, state, and local laws. The Harbor Safety Plan is not intended to take the place of or otherwise intended to replace the good judgement of a ship's master in the safe

operation of his/her vessel. These standards and protocols were developed and adopted by local experts for insuring greater safety. Some sections of the plan provide important safety info for professional mariners transiting Puget Sound, while the Standards of Care formalize and document good marine practice. The Harbor Safety Plan can be obtained by going to the Seattle Marine Exchange website at **www.marineexchange.com** or contact (206) 443-3830.

(CL 36/04)

ENCLOSURES

Oregon - Washington - Columbia River - Dredging Operations >See Append 1<
Tabulation: Columbia River COLUMBIA RIVER CHANNEL ENTRANCE TO MILLER SANDS >See Append 2<
Tabulation: Columbia River MILLER SANDS RANGE TO GULL ISLAND TURN >See Append 3<
Tabulation: Columbia River GULL ISLAND TURN & CHANNEL TO SAINT HELENS TURN >See Append 4<
Tabulation: Columbia River SAINT HELENS TURN TO TOMAHAWK BAR >See Append 5<
Tabulation: Columbia River MORGAN CHANNEL TO TOMAHAWK BAR >See Append 6<
Tabulation: Columbia River TOMAHAWK BAR TO BONNEVILLE LOCKS >See Append 7<

If you have any questions, comments, or need additional information concerning this or other LNMs 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

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
In progress	29 Feb 04	24 hours 7 days	<u>Head of Blair Waterway</u>	Vulcan Viking	Peter M Wollochet Rockport Southport	8, 13, 16, and 66 VHF-FM	DNR Disposal Site
In progress	29 Feb 04	0600 to 1800 Mon through Sat	<u>East Waterway of the Duwamish</u> Between Port of Seattle Terminal 18 and Terminals 25 to 30	Mason Derrick 8		8 VHF-FM	Port of Seattle Terminal 25
In progress	29 Feb 04	24 hours 7 days	<u>Columbia River</u> River Mile 96 to 100	Dredge 10		13 and 16 VHF-FM	Ashore at Fazio Brothers Sand Pit
In progress	28 Feb 04	0700 to 1700 Mon through Sat	<u>St Helens</u> River Mile 82.6	Sea Hawk Sea Vulture		7 VHF-FM	
In progress	15 Feb 04	24 hours 7 days	<u>Charleston Marine Complex</u>	Ross Island Dredge #5		13, 16 and 80 VHF-FM	Flow Lane Disposal
In progress	15 Feb 04	24 hours 7 days	<u>St Paul Waterway</u>	Viking	Wollochet	13, 16 and 66 VHF-FM	Dump Site South of Cypress Island
In progress	Approx. 14 Feb 04	24 hours 7 days	<u>Commencement Bay</u> Hylebos Waterway	Crystal Gayle**	Norton Bay	13, 68 and 69 VHF-FM	Within 600 ft of 47-18-12.6N 122-27-54.6W

*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.

** This dredge operation will occupy a considerable amount of space. As much notice as possible is requested when access to and from Hylebos Waterway is necessary.

COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003								
* SEE FOOTNOTES						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH ORD (FEET)
ENTRANCE RANGE	58	57	55	43	10-03	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	49	52	53	44	10-03	2640	2.2	48
LOWER DESDEMONA SHOAL	45	46	42	38	12-03	600	3.4	40
UPPER DESDEMONA SHOAL	42	43	47	45	12-03	600	3.6	40
TANSY POINT TURN AND RANGE	40	41	40	37	12-03	600	4.8	40
ASTORIA RANGE	42	42	43	41	12-03	600	2.7	40
TONGUE POINT CHANNEL	40	42	42	41	12-03	600	2.2	40
HARRINGTON POINT RANGE	39	41	41	37	11,12-03	600	2.6	40
MILLER SANDS RANGE	41	43	41	36	11-03	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
 * CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18523

COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	41	43	41	36	11-03	600	2.2	40
PILLAR ROCK LOWER RANGE	37	40	41	37	11-03	600	3.0	40
PILLAR ROCK UPPER RANGE	36	42	40	40	11,12-03	600	1.9	40
WELCH ISLAND REACH	40	43	44	38	12-03	600	3.2	40
SKAMOKAWA CHANNEL	29	41	43	37	12-03	600	3.3	40
STEAMBOAT REACH	47	48	45	43	12-03	600	1.4	40
PUGET ISLAND RANGE AND TURN	41	42	42	37	12-03	600	3.5	40
WALINA RANGE	37	39	42	41	12-03	600	2.2	40
DRISCOLL RANGE	37	39	40	40	12-03	600	1.7	40
WESTPORT TURN AND RANGE	37	42	42	43	11-03	600	2.0	40
WESTPORT CHANNEL	40	43	42	42	8,11-03	600	2.4	40
EUREKA LOWER CHANNEL	42	43	43	43	8-03	600	2.1	40
EUREKA UPPER CHANNEL	42	42	42	41	8-03	600	0.8	40
OAK POINT CHANNEL	45	46	44	43	12-03	600	2.4	40
GULL I TURN AND CHANNEL	46	44	40	33	12-03	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION

CHART 18524

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	46	44	40	33	12-03	600	2.2	40
STELLA RANGE	38	42	41	39	12-03	600	2.8	40
FISHER I CHANNEL	39	41	42	38	12-03	600	0.9	40
WALKER I CHANNEL	37	41	41	36	12-03	600	1.5	40
BARLOW PT. CHANNEL	45	44	41	39	12-03	600	1.3	40
SLAUGHTERS CHANNEL	37	41	38	36	11-03	600	2.3	40
SLAUGHTERS TURN AND CHANNEL								
OPPOSITE THE TURNING BASIN	39	39	39	40	11-03	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	41	43	42	43	12-03	600	1.7	40
COTTONWOOD ISLAND TURN	43	42	38	38	12-03	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE								
RANGE	42	42	41	41	12-03	600	1.6	40
KALAMA LOWER RANGE	42	40	39	35	12-03	600	1.8	40
KALAMA UPPER RANGE	40	42	39	39	12-03	600	2.2	40
BYBEE LEDGE CHANNEL	41	41	41	39	12-03	600	2.1	40
MARTIN ISLAND CHANNEL	40	40	39	39	12-03	600	2.1	40
MARTIN ISLAND RANGE	41	41	42	40	12-03	600	1.4	40
COLUMBIA CITY CHANNEL	40	40	40	40	12-03	600	1.2	40
ST. HELENS RANGE	39	41	41	40	11-03	600	2.0	40
ST. HELENS TURN	41	42	43	42	11-03	600	1.7	40

* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18525

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF DECEMBER 31, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	41	42	43	42	11-03	600	1.7	40
WARRIOR ROCK RANGE	40	42	42	40	10-03	600	1.3	40
DUCK CLUB TURN	37	42	43	40	10-03	600	1.4	40
HENRICI RANGE	40	41	37	39	11-03	600	2.6	40
FALES CHANNEL	43	43	42	39	11-03	600	1.1	40
KNAPP POINT CHANNEL	39	41	41	38	11-03	600	1.8	40
WILLOW LOWER RANGE	40	41	42	39	11-03	600	2.1	40
WILLOW UPPER RANGE	41	43	40	45	11-03	600	1.1	40
MORGAN TURN	43	45	49	47	11-03	600	1.0	40
MORGAN CHANNEL	46	44	42	41	11-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	51	11-03	500	1.0	40
VANCOUVER RANGE	40	42	42	41	11-03	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	38	11-03	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	31	11-03	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	26	26	23	11-03	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18526

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	44	42	41	11-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	51	11-03	500	1.0	40
VANCOUVER RANGE	40	42	42	41	11-03	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	38	11-03	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	31	11-03	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	26	26	23	11-03	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18531

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 31, 2003							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	17	18	17	10-03	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	14	17	16	10-03	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	15	16	16	10-03	300	1.6	27
FISHER QUARRY CHANNEL RANGE	29	26	21	10-03	300	1.0	27
GOVERNMENT ISLAND RANGE	25	29	26	10-03	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	23	10-03	300	0.8	27
LADY ISLAND RANGE	19	21	24	10-03	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	30	20	10-03	300	0.9	27
WASHOUGAL LOWER RANGE	22	28	30	10-03	300	1.5	27
WASHOUGAL UPPER RANGE	18	29	29	10-03	300	1.1	27
GARY ISLAND RANGE	17	17	17	10-03	300	0.9	27
REED ISLAND RANGE	17	17	15	10-03	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	36	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION