



U.S. Department of Transportation
**U.S. Coast Guard
LOCAL NOTICE TO
MARINERS**



JANUARY
WEEKLY SUPPLEMENTAL
NOTICE NUMBER 02/01
JANUARY 09, 2001

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

 **INTERNET ADDRESS** 

<http://www.uscg.mil/d13/>

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
915 Second Avenue, Seattle, Washington 98174-1067
Telephone (206) 220-7270 FAX # (206) 220-7265

BROADCAST NOTICES TO MARINERS (BNMs)

**This Local Notice to Mariners (LNM) includes information concerning waterways in the Thirteenth Coast Guard District promulgated by the following broadcasts:
BNM 0005-01 to 0023-01**

LIGHT LIST REFERENCE: COMDTINST M16502.6, Light List Volume VI, 2000 Edition

I. SPECIAL NOTICE

OREGON – CATHLAMET CHANNEL – Report of Shoaling –

Shoaling has been reported between Cathlamet Channel Buoys 6 and 7, in approximate position 46°10'21"N 123°20'27"W. Mariners are urged to transit the area with caution. *Chart 18523*

SNAKE RIVER – LITTLE GOOSE DAM TO LOWER GRANITE DAM – SCHULTZ BAR – Shoaling Increase –

Shoaling has increased in the vicinity of Schultz Bar Shoal Buoy "29A". Depths may be up to 13 feet less than charted depth. Mariners are urged to transit the area with caution. *Chart 18547*

COLUMBIA RIVER – River Mile 129 – Report of Shoaling –

Shoaling has been reported on the Oregon side of the Columbia River between Point Vancouver Buoy "65" (LLNR 11595) and Sand Island Light "66" (LLNR 11600). Mariners are urged to transit the area with caution.

WASHINGTON – BREMERTON -PORT ORCHARD-PORT MADISON - WATERWAYS ANALYSIS - Request for comments -

The Coast Guard is conducting a Waterway Analysis and Management Study (WAMS) of Sinclair Inlet, Port Orchard, Port Madison and connecting waters. The purpose of the WAMS is to evaluate the adequacy of the existing aids to navigation (ATON) system. The study will consider the concerns of waterway users, changes in waterway usage, changes in hydrography, and marine casualty data. Possible outcomes of the WAMS include the addition of new ATON, the deletion of redundant ATON, or changes to the position or signal of existing ATON. User comments are a very important part of this process and mariners using these waters are encouraged complete a user survey. Any interested party wishing to comment or participate in a user survey should contact LTJG Katie Blanchard, (206) 220-7274, email kblanchard@pacnorwest.uscg.mil, or write to the address above. To be considered, comments must be received by February 28, 2001.

WASHINGTON - POSSESSION SOUND TO SKAGIT BAY - WATERWAYS ANALYSIS - Request for comments -

The Coast Guard is conducting a Waterway Analysis and Management Study (WAMS) in waters East of Whidbey Island. The study area is bounded to the south by a line between Edwards Point and Scatchet Head and to the north where Swinomish Channel enters Padilla Bay at Anacortes. The following waters are included: Possession Sound, Snohomish Channel, Holmes Harbor, Port Gardner, Port Susan, Saratoga Pass, Penn Cove, Skagit Bay, Deception Pass and Swinomish Channel. The purpose of the WAMS is to evaluate the adequacy of the existing aids to navigation (ATON) system. The study will consider the concerns of waterway users, changes in waterway usage, changes in hydrography, and marine casualty data. Possible outcomes of the WAMS include the addition of new ATON, the deletion of redundant ATON, or changes to the position or signal of existing ATON. User comments are a very important part of this process and mariners using these waters are encouraged complete a user survey. Any interested party wishing to comment or participate in a user survey should contact LTJG Katie Blanchard, (206) 220-7274, email kblanchard@pacnorwest.uscg.mil, or write to the address above. To be considered, comments must be received by May 1, 2001.

I. SPECIAL NOTICE (Continued)

CALIFORNIA – OREGON – WASHINGTON – LORAN-C STATION FALLON (RATE 9940-M) – Proposed Unusable Time –

The Coast Guard proposes to authorize LORAN-C Station Fallon (Rate 9940-M) unusable time from 0900 to 1100 local on 24 January 2001. The alternate time will be from 0900 to 1100 local on 25 January 2001. Objections to this unusable time period will be considered until 1100 local 17 January 2001. Users shall address inquiries to the Chain Operations Control Officer, U.S. West Coast Chain at (707) 765-7518/7598.

WASHINGTON – GRAYS HARBOR – Temporary Nominal Range Change -

The nominal range of Grays Harbor South Reach Lighted Bell Buoy "14" has been temporarily reduced from 4 nautical miles to 3 nautical miles for prototype testing of a new lantern. This test will be conducted for the next two (2) years. *Chart 18502*

WASHINGTON – OREGON – DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS) – Scheduled Outages –

Mariners are urged to use other means of navigation during the following DGPS off air date/times:

DGPS Site	Frequency	Primary Date	Local Time	Alternate Date	Local Time
Appleton	300 kHz	11 Jan 01	0900 to 1100	None	None
Robinson Point	323 kHz	30 Jan 01	0930 to 1130	31 Jan 01	0930 to 1130

COLUMBIA RIVER – SNAKE RIVER – COAST GUARD GROUP PORTLAND RADIO TOWER NEAR KENNEWICK, WA – Reduced Reliability –

Coast Guard Group Portland advises mariners on the upper Columbia and lower Snake Rivers that the radio tower at the Jump-Off-Joe site near Kennewick, WA is operating at reduced reliability due to sporadic heavy interference. The Coast Guard may not receive all radio calls made by mariners on VHF-FM Channel 16.

WASHINGTON – LAKE WASHINGTON SHIP CANAL – HIRAM M. CHITTENDEN LOCKS – Vessel Length Restriction in the Large Lock –

The Army Corps of Engineers advise that the large navigation lock will be reduced to the west chamber being operational. This will restrict vessels size to 327 feet or shorter. This restriction will be in effect through 31 March 2001. The small navigation lock will be operational during the restriction period. *Chart 18477*

COLUMBIA AND SNAKE RIVERS – Annual Maintenance Lock Closure –

The following is a list of navigation locks that will be closed for annual maintenance from 0600 local 03 March to 2359 local 17 March 2001.

Navigation Lock	River Location	Chart
McNary Lock & Dam	Columbia River, mile 292	18539
Ice Harbor Lock & Dam	Snake River, mile 9.7	18545
Lower Monumental Lock & Dam	Snake River, mile 41.6	18545
Little Goose Lock & Dam	Snake River, mile 70.3	18546
Lower Granite Lock & Dam	Snake River, mile 107.3	18548

WASHINGTON – PUGET SOUND NORTHERN PART – Current Meter Survey -

As part of an ongoing current meter survey in northern Puget Sound, six (6) scientific moorings will be relocated on 22 January, 2001. All moorings will be located between the south side of Apple Cove and Point Wells in the following approximate positions:

Approximate Position	Aspect	Approximate Position	Aspect	Approximate Position	Aspect
47°46.720'N - 122°28.420'W	Bottom	47°46.720'N - 122°27.500'W	Bottom	47°46.720'N - 122°25.940'W	Bottom
47°46.720'N - 122°25.260'W	Bottom	47°46.720'N - 122°25.680'W	Bottom	47°46.720'N - 122°24.280'W	Bottom

Three (3) additional scientific moorings will be deployed for a short duration, from 05 February to 09 February 2001, on the bottom in 60 feet of water. Small surface floats will be used to retrieve the moorings.

Approximate Position	Location	Color	Characteristic	Aspect
47°48.026'N - 122°24.031'W	Vicinity of Edwards Point	-----	-----	Bottom
47°46.666'N - 122°23.953'W	Vicinity of Point Wells	-----	-----	Bottom
47°46.079'N - 122°23.751'W	Vicinity of Richmond Beach	-----	-----	Bottom

Three (3) others will remain in approximate positions:

Approximate Position	Location	Color	Characteristic	Aspect
47°54.388'N - 122°20.905'W	Vicinity of Point Wells, in separation zone	White/Orange	Fl Y 4s	Surface
47°46.720'N - 122°26.531'W	Vicinity of Possession Point, approx. center of channel	White/Orange	Fl Y 4s	Surface
47°55.854'N - 122°30.532'W	Vicinity of Point no Point, in separation zone	-----	-----	Bottom

Mariners are advised to be aware of these moorings to avoid damage to them or to their own equipment/property. *Chart 18441*

WASHINGTON – PUGET SOUND – KEYPORT – Pier Construction –

Pier work has commenced on National Undersea Warfare Center piers 1 and 2, located at Keyport WA and will continue through 31 October 2002. There will be floating cranes and barges in the waterway. Work floats with anchor lines and mooring buoys may be used. The buoys will display a flashing Yellow every 10 seconds (Fl Y 10s) light. The floating equipment will monitor VHF-FM Channels 14 and 16. Mariners are requested to use extreme caution while transiting the area to avoid damage to property or injury to personnel. *Chart 18446*

WASHINGTON – COLUMBIA RIVER – KALAMA – Dredging Operations –

Dredging operations have commenced in the Columbia River, between River Miles 77 and 75 near Kalama, WA and will continue until 26 January 2001. These operations are scheduled to be from 1500 to 0500 local, six days a week. The dredging performed will consist of removing sand waves and will be approximately 300 to 1000 feet off shore near the United Harvest dock facility. Offloading of dredge spoils will be performed at approximately River Mile 72. *Chart 18524*

I. SPECIAL NOTICE (Continued)

WASHINGTON – GRAYS HARBOR – CHEHALIS RIVER – Dredging Operations –

Dredging operations have commenced in the Chehalis River, and will continue until 15 February 2001, 24 hours, 7 days a week between Cow Point and Hoquiam dredge reaches. The clamshell dredge PAULA LEE and the tug TROJAN will be on-scene conducting the dredging. Two split hull hopper scows with normal capacity will be used for disposal of dredge spoils. Dredge spoils will be transported to the South Jetty Disposal Area. If sea conditions become unsafe at the South Jetty Disposal Area, the spoils will be disposed at the Point Chehalis Disposal Area (area #1). The tug "AURTHER BRUSCO" will transport the scow from the dredge site to the disposal site. The tug will monitor VHF-FM Channels 13, 14, and 82, call sign "KX7468". Mariners are requested to transit the area with caution.

Chart 18502

WASHINGTON – PUGET SOUND – SNOHOMISH RIVER – Dredging Operations –

Dredging operations will commence 15 January and will continue until 15 February 2001, 24 hours, 7 days a week. These dredge operations will be downstream of the settling basin. The clamshell dredge VIKING, tugs WOLLOCHET and JEFFREY M., and dump barges EASTPORT and NORTHPORT will be on-scene. The dump area will be in the Port Gardner dump site. VHF-FM Channels 13, 13, and 66 will be monitored by the power driven vessels.

Chart 18444

WASHINGTON – PUGET SOUND – COMMENCEMENT BAY – Tacoma –

An inter-tidal basin has been excavated in approximate position 47°18.38'N 122°30.53'W. This is part of a construction activity recently completed at the Asarco Tacoma Smelter Facility of the Commencement Bay Nearshore/ Tidel flats 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*

WASHINGTON – PUGET SOUND – Geoduck Harvesting –

SEE (LNM) 01/01 FOR SPECIFIC GEODUCK HARVESTING LOCATIONS, DATES AND TIMES. A copy of this LNM can be obtained by the use of our internet address.

WASHINGTON – WILLAPA BAY – Oceanographic Instruments Deployed –

SEE (LNM) 01/01 FOR SPECIFIC DETAILS ON DEPLOYED OCEANOGRAPHIC INSTRUMENTS. A copy of this LNM can be obtained by the use of our internet address. *Chart 18504*

WASHINGTON – PUGET SOUND – SOUND SIGNALS –

SEE (LNM) 01/01 FOR SPECIFIC SOUND SIGNALS. A copy of this LNM can be obtained by the use of our internet address.

SNAKE RIVER – LAKE BRYAN - LITTLE GOOSE RESERVOIR – Bridge Information –

The navigational lights on the Central Ferry Bridge at river mile 83.2 are watching properly.

WASHINGTON – PUGET SOUND – LAKE WASHINGTON SHIP CANAL – Bridge Information –

SEE (LNM) 01/01 FOR SPECIFIC BRIDGE INFORMATION. A copy of this LNM can be obtained by the use of our internet address. *Chart 18447*

WASHINGTON – PUGET SOUND – EAGLE HARBOR – Bottom Work –

SEE (LNM) 01/01 FOR SPECIFIC BOTTOM WORK INFORMATION. A copy of this LNM can be obtained by the use of our internet address. *Chart 18449*

WASHINGTON – PUGET SOUND – Marine Events – Puget sound Area –

SEE (LNM) 01/01 FOR SPECIFIC MARINE EVENT INFORMATION. A copy of this LNM can be obtained by the use of our internet address.

WASHINGTON – PUGET SOUND – SINCLAIR INLET – BREMERTON – PUGET SOUND NAVAL SHIPYARD – Dive Operations –

SEE (LNM) 01/01 FOR SPECIFIC DIVE OPERATIONS INFORMATION. A copy of this LNM can be obtained by the use of our internet address. *Chart 18452*

WASHINGTON – PUGET SOUND – WASHINGTON STATE FERRY – Temporary Route Change –

SEE (LNM) 01/01 FOR SPECIFIC TEMPORARY FERRY ROUTE CHANGE. A copy of this LNM can be obtained by the use of our internet address. *Chart 18473*

OREGON – COLUMBIA RIVER – ASTORIA – Potential Navigation Hazard –

SEE (LNM) 01/01 FOR SPECIFIC INFORMATION ON POTENTIAL NAVIGATION HAZARD. A copy of this LNM can be obtained by the use of our internet address. *Chart 18521*

OREGON – SEACOAST – RED GONG BUOY – Adrift –

Mariners are advised that a red gong buoy numbered "2" is adrift off the Oregon coast. The latest known position as of 1100 local, Tuesday 09 January 2001, was 42°57.4'N 124°46.1'W. Mariners are requested to report sightings of the buoy to the nearest U.S. Coast Guard station.

II. DISCEPANCIES - DISCREPANCIES CORRECTED

THE FOLLOWING AIDS TO NAVIGATION ARE NOT WATCHING AS ADVERTISED IN THE LIGHT LIST VOLUME VI, THIRTEENTH DISTRICT SECTION:

Highlighted text denotes new discrepancy since last LNM.

NOTE: Mariners are cautioned that portions of missing structures may remain.

II. DISCEPANCIES - DISCREPANCIES CORRECTED (Continued)

FEDERAL AIDS

LLNR	Aid Name	Status	Chart	BNM	LNM
635	Heceta Head Light	Main Light Extinguished Emergency Light Operational	18580	0452-00	23/00
733	NOAA Lighted Buoy "46041"	Missing	18500	0907-00	51/00
9785	Depoe Bay Entrance Lighted Bell Buoy "2"	Off Station	18561	0810-00	44/00
10155	Tongue Point Channel Lighted Buoy "43"	Missing	18521	0935-00	01/01
14257	Spokane River Arm Rock Danger DBN	Missing	18551	0758-00	42/00
15175	Willapa Bay Entrance Buoy A	Missing	18504	0008-01	02/01
15735	Grays Hbr N Chnl Range "D" Front Light	Destroyed	18502	1071-99	50/99
16165	Neah Bay Inner Daybeacon "4"	Missing	18484	0329-00	15/00

PRIVATE AIDS

LLNR	Aid Name	Status	Chart	BNM	LNM
8970	North Bend Outfall Light	Extinguished	18587	0709-00	40/00
10440	Wauna Mill Water Intake Light	Missing	18523	0917-00	52/00
11243	Hayden Island Anchorage Light A	Extinguished	18525	0941-00	01/01
11244	Hayden Island Anchorage Light B	Extinguished	18525	0942-00	01/01
12710	Pump Station Intake Light	Extinguished	18539	0846-00	48/00
13100	Richland Water Intake Lights (2)	Extinguished	18474	0847-00	48/00
14566	Skipanon Waterway Deep Sea Pier Light	Missing	18521	0919-00	52/00
14890	Oregon Steel Dock Light	Extinguished	18474	0687-00	39/00
14935	Chevron Petroleum Dock Light "A"	Extinguished	18526	0918-00	52/00
14940	Chevron Petroleum Dock Light "B"	Extinguished	18526	0920-00	52/00
16680	Point Wells Range Front Light	Extinguished	18441	0863-00	49/00
16945	Blake Island Daybeacon "5"	Missing	18448	0726-00	40/00
17080	Saltwater State Park Buoy	Missing	18448	0779-00	43/00
17305	Kopachuck State Park Buoy	Missing	18464	0732-00	41/00
17551	Port Townsend Lighted Buoy	Improper Characteristic	18477	0736-00	41/00
17731	Mariculture Lighted Buoys (2)	Missing	18458	0676-00	38/00
17825	Trident Submarine Range Front DBN	Destroyed	18446	0725-00	40/00
17975	Liberty Bay Marina Lights (2)	Missing	18447	0677-00	38/00
18385	South Leschi Breakwater Lights	4 Lights Extinguished	18444	0701-00	40/00
19360	Skyline Marina Light "1"	Improper Characteristic	18427	0733-00	41/00
19377	Hunter Bay Aquaculture Lighted Buoys	Off Station	18427	0841-00	48/00
19665	Blind Bay Rock Daybeacon	Faded & Unreadable Dayboards	18434	0735-00	41/00
19745	Pearl Island Pier Lights (2)	Missing	18433	0678-00	38/00

**THE FOLLOWING AIDS TO NAVIGATION DISCREPANCIES HAVE BEEN CORRECTED SINCE THE LAST LOCAL NOTICE TO MARINERS:
FEDERAL AIDS**

LLNR	Aid Name	Status	Chart	BNM	LNM
16345	Puget Sound Traffic Lane Entrance LB "S"	Watching Properly	18465	0015-01	49/00
16845	Smith Cove Buoy "3"	Watching Properly	18450	0006-01	52/00

PRIVATE AIDS

LLNR	Aid Name	Status	Chart	BNM	LNM
NONE					

III. TEMPORARY CHANGES - TEMPORARY CHANGES CORRECTED

THE FOLLOWING AIDS TO NAVIGATION HAVE BEEN TEMPORARILY CHANGED:

LLNR	Aid Name	Status	Chart	BNM	LNM
15620	Grays Harbor S Reach LBB "14"	Reduced Nominal Range	18502	0909-00	01/01
16165	Neah Bay Inner Daybeacon "4"	Temporary Unlighted Buoy	18484	0336-00	15/00

THE FOLLOWING TEMPORARY/TEMPORARILY CHANGED AIDS TO NAVIGATION HAVE EITHER BEEN RESTORED TO NORMAL OPERATION OR DISCONTINUED:

LLNR	Aid Name	Status	Chart	BNM	LNM
16845	Smith Cove Buoy "3"	Watching Properly	18450	0006-01	52/00

IV. CHART CORRECTIONS

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number. The correction listed pertains to that chart only. It is up to the mariner to decide what charts are to be corrected. The following example explains the individual

elements of a typical correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice To Mariners	Horizontal Datum	Source of Correction	Current Local Notice to Mariners
i	i	i	i	m	l m	m
18427	20 th Ed.	3/18/2000	Last LNM 25/99	NAD 83	(NOS SILVER SPRING) or (CGD13)	40/99
WA – ANACORTES TO SKAGIT BAY -						
h	Add	Ben Ure Island light "2", FI R 4s, 25ft 4M			at	48°24'12.1"N 124°37'42.0"W
h	j	j	k			j k
Chart Title	Corrective Action	Object of Corrective Action				Position

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (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.

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated January 1, 2001, published by the National Ocean Service, is available for issue. It may be obtained free from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, Riverdale, MD, 20737-1199. Telephone 1-800-638-8972 or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and up-to-date prices for most of the publications listed.

18432	4 th Ed.	08/15/1992	Last LNM 32/99	NAD 83		(CGD13)02/01
WA-Boundary Pass						
	Relocate	Reid Harbor Mooring Buoy				
		from 48°40'22.1"N 123°11'28.7"W Buoy			to	48°40'19.4"N 123°11'35.7"W
	Add	CG to Reid Harbor Mooring Buoy			at	48°40'19.4"N 123°11'35.7"W
	Delete	Mooring Buoy Symbol			at	48°40'23.0"N 123°11'54.2"W
18584	46th ed.	07/19/1997	Last LNM: 49/00	NAD 83		(NOS NW-3913)02/01
OR - UMPQUA RIVER - PACIFIC OCEAN TO REEDSPORT						
	Add	Tabulation - Umpqua River (See page 6)			centered at	43°39'37.0"N 124°07'18.0"W
18587	67th ed.	08/11/1997	LAST LNM: 49/00	NAD 83		(CGD13)02/01
OR – COOS BAY						
	Relocate	Coos Bay South Slough Buoy "8"				
		from 43°20'52.8"N 124°19'11.1"W			to	43°20'52.7"N 124°19'10.7"W

V. ADVANCE NOTICE OF CHANGES IN AIDS TO NAVIGATION

NONE

VI. PROPOSED CHANGES IN AIDS TO NAVIGATION

Comments can be mailed to the address at the top of page 1 of this Local Notice to Mariners.

Comments are requested on or before 09 February 2001, Attn: LTJG Katie Blanchard, for the next four (4) proposals

COLUMBIA RIVER – HARRINGTON POINT – Buoyage –

The Coast Guard proposes to discontinue Harrington Point Lighted Buoy 53 (LLNR 10188). The buoy is no longer considered necessary for safe navigation in the area. *Chart 18523*

COLUMBIAR RIVER TO DESTRUCTION ISLAND – Grays Harbor Light –

The Coast Guard proposes to change the nominal range of Grays Harbor Light (LLNR 720/15530) from 22 miles (white) and 19 miles (red) to 20 miles (white) and 18 miles (red). This action is proposed to standardize lighthouse lighting equipment. *Chart 18500*

COLUMBIA RIVER – HARRINGTON POINT AND WELCH ISLAND – Light Information –

The Coast Guard proposes to change the light characteristics of Harrington Point Light 52 (LLNR 10185) from a flashing red 2.5 second (FI R 2.5s) to an Isophase red 2 second (ISO R 2s). The Coast Guard also proposes to change the light characteristics of Bayview Light 29 (LLNR 10330) from a flashing green 4 second (FI G 4s) to an Isophase green 2 second (ISO G 2s). The purpose of this change is to make the light easier for the mariner to locate. *Chart 18523*

COLUMBIA RIVER – PUGET ISLAND –Light Information –

The Coast Guard proposes to change the light characteristics of Puget Island Light 43 (LLNR 10401) from a flashing green 6 second (FI G 6s) to a flashing green 2.5 second (FI G 2.5s). The purpose of this change is to make the light easier for the mariner to locate. *Chart 18523*

VII. GENERAL

SEE (LNM) 01/01 FOR SPECIFIC INFORMATION. A copy of this LNM can be obtained by the use of our internet address.

VIII. CORRECTIONS TO THE LIGHT LIST, VOLUME VI: PACIFIC COAST AND PACIFIC ISLANDS 2000:

An asterisk *, indicates the column in which a correction has been made or new information added, highlighted text indicates what was changed.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
No.	Name and Location	Position	Characteristic	Height	Range	Structure	Remarks
	Miller Sands						

10225 - Channel Lighted Buoy 10 46 15 28 N Q R 4 Red. 02/01
123 38 56 W
*

Pillar Rock

10300 Jim Crow Lighted Buoy 21 46 15 33 N Q G 3 Green. 02/01
123 33 03 W
*

Morgan

11210 - DIKE LIGHT 40 45 39 52 N FIR 4s 15 4 TR on pile. 02/01
122 46 15 W
*

Willamette River

14865 - LIGHT 4 45 38 51 N FIR 4s 10 4 TR on dolphin. 02/01
122 46 19 W
*

WILLAMETTE RIVER (Portland to Newberg (Chart 18528))

15060 BINGHAM LANDING LIGHT 16 46 23 50 N FIR 6s 10 5 TR on white skeleton tower. Higher intensity beam up channel. Obscured to northward of 220°. 02/01
122 38 17 W
*

Puget Sound

17275 Eagle Island Reef Lighted Buoy 3 47 11 26 N FIG 2.5s 3 Green. Ra ref. 02/01
122 42 01 W
*

IX. ADDITIONAL ENCLOSURES:

NONE

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.

G. F. GREENE
Captain, U.S. Coast Guard
Chief, Aids to Navigation & Waterways Management Branch
Thirteenth Coast Guard District
By direction of the District Commander

CHART 18584

UMPQUA RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2000 AND SURVEYS TO AUG 2000							
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 CHANNEL TO LT. 21	16	18	17	9-99; 5, 6, 8-00	200	7.0	26-22
LT 21 TO REEDSPORT	19	19	18	5-00	200	2.7	22
REEDSPORT TURNING BASIN	25	23	23	5-00	600	0.2	22
LT. 21 TO GARDINER TURNING BASIN	15	13	11	5-00	200	1.15	22
	3	2	2	9-98; 5, 9-99	500	0.2	22

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