U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 13 Week: 37/12

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

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

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)
The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The NIS also disseminates Safety Broadcasts / Broadcast Notice to Mariners (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website: http://www.navcen.uscg.gov/?pageName=GPS.
In addition, the NIS investigates all reports of degradation or loss of GPS or DGPS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone:703-313-5900, Email: webmaster@navcen.uscg.mil, or on the World Wide Web: http://www.navcen.uscg.gov.

BROADCAST NOTICE TO MARINERS
This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

Originating Unit	Beginning BNM	Ending BNM
CGD THIRTEEN	D13-1006-12	D13-1043-12

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
Al - Alternating
B - Buoy
BKW - Breakwater
bl - Blast
BNM - Broadcast Notice to Mariner
bu - Blue
C - Canadian
CHAN - Channel
CGD - Coast Guard District
C/O - Cut Off
CONT - Contour
CRK - Creek
CONST - Construction
DBN/Dbn - Daybeacon
DBD/DAYBD - Dayboard
DEFAC - Defaced
DEST - Destroyed
DISCON - Discontinued
DMGD/DAMGD - Damaged
ec - eclipse
EST - Established Aid
ev - every
EVAL - Evaluation
EXT - Extinguished
F - Fixed
fl - flash
Fl - Flashing

I through O

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

P through Z

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

G - Green
GIWW - Gulf Intracoastal Waterway
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
NW - Notice Writer
OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
Oc - Occulting
ODAS - Anchored Oceanographic Data Buoy
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TRUB - Temporarily Replaced by Unlighted Buoy
USACE - Army Corps of Engineers
W - White
Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

WASHINGTON – LAKE WASHINGTON SHIP CANAL – BALLARD RAILWAY BASCULE BRIDGE – Special Bridge Notice

The USCG has issued a deviation to the operation of the BNSF Railway Bridge across the Lake Washington Ship Canal, mile 0.1 (Ballard). This deviation is necessary to accommodate bridge maintenance. The deviation allows the BNSF Railway Drawbridge to remain in the closed position and need not open for maritime traffic for a 12 day period from 0700, 07 Nov 12 through 1700, 18 Nov 12. The closure time frame will coincide with the closure of the Hiram M. Chittenden large lock at Ballard. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The bridge must return to its regular operating schedule immediately at the end of the designated time period.

Chart 18447 LNM: 37/12

WASHINGTON – IDAHO – SPOKANE DGPS SITE - Approved DGPS off-air time

The USCG NAVCEN has approved off-air time for the Spokane, WA DGPS broadcast site (848) for preventive maintenance from 0900 to 1100 PDT on 28 Sep 12, with an alternate date of 0900 to 1100 PDT on 29 Sep 12. A slight loss of coverage in some areas during this time may be experienced. For additional information, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 37/12

OREGON COAST– Scientific Equipment Deployed

The R/V Melville will transit from San Diego, CA and deploy scientific seismograph instrumentation to collect multibeam bathymetry data on 14 Sep 12, and return on 09 Oct 12. The main area of operations will be from 16 Sep 12 until 07 Oct 12, and is defined by an operation area with the NW corner at 45-00.0N / 131-00.0W, and the SE corner at 42-30.0N / 125-30.0W. The R/V Melville's call signal is 'WECB', and will monitor VHF-FM CH 16. For comments or details, contact Dr. John Nabelek at nabelek@coas.oregonstate.edu, or the R/V Melville's captain at Master@rv-melville.ucsd.edu.

Chart 18007 LNM: 37/12

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

The USCG has issued a deviation to the operation of the Broadway Bridge across the Willamette River, at RM 11.7. This deviation allows the draw span of the Broadway Bridge across the Willamette River to remain in the closed position and need not open for maritime traffic from 0730 until 1500 on 7 Oct 12 for the Portland Marathon. The Broadway Bridge provides 90 feet of vertical clearance above Columbia River Datum 0.0 while in the closed position. Vessels which do not require a bridge opening may continue to transit beneath the bridge during this closure period. The draw span will be required to open, if needed, for vessels engaged in emergency response operations during this closure period. The bridge shall operate in accordance to 33 CFR § 117.897 at all other times.

Chart 18526 LNM: 37/12

OREGON – WASHINGTON – COLUMBIA RIVER – FORT STEVENS DGPS SITE – Authorized DGPS off-air time

The USCG NAVCEN has authorized off-air time at the Fort Stevens, OR, DGPS broadcast site (886) for preventive maintenance from 1000 to 1200 PDT on 20 Sep 12, with an alternate date of 1000 to 1200 PDT on 27 Sep 12. For additional information or objections, contact the U.S. Coast Guard Navigation Center, DGPS Operations at (703) 313-5902.

LNM: 36/12

IDAHO – MONTANA – POLSON DGPS SITE – Authorized DGPS Off-air time

The USCG NAVCEN has authorized off-air time at the Polson, MT, DGPS broadcast site (849) for preventive maintenance from 0900 to 1100 on 25 Sep 12, with an alternate date of 0900 to 1100 on 26 Sep 12. No loss of coverage for the Snake River during these times is expected. For additional information or objections, contact Navigation Center DGPS Operations at (703) 313-5902.

LNM: 36/12

Snake River – Minimum Operating Pool Transition

Transition from minimum operating pool will begin on or around 01 Sep 12, in all of the lower Snake River pools (Ice Harbor, Lower Monumental,

Little Goose, and Lower Granite pools). Additionally, as the Nez Perce water release is completed on or around 21 Sep 12, the Snake River pools will be returned to minimum operating pool, and will be transitioned to normal operations a second time. Around the two above dates, the "Ice Harbor special operations to aid safe navigation past shoaling" at the Navigation Coffer Cells may not be achievable because of insufficient available water to do so during the transition period.

Low river flows are expected to continue through the remainder of the calendar year 2012 in these pools. Special pool operations to aid safe navigation past shoaling at the Ice Harbor Coffer Cells will remain in place when flows are at or below 45 kcfs. Water storage to assist with navigation safety will still be limited by several constraints, and it may take many hours (up to 24 hours) to provide the water needed for several special operations during a 24-hour period.

Continue to use the call-ahead procedure that is currently in place to notify Ice Harbor control room of your need for the special pool operation. Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

Charts: 18545 18546 18547 18548 LNM: 36/12

OREGON – PORT OF BROOKINGS – Dredging in North and South Basins to Offshore Disposal Site.

The Port of Brookings Harbor (POBH) will commence dredging within the north and south basins from 09 Sep 12 until 09 Oct 12. The sediment, after removal by the hydraulic dredge 'Shark', would be pumped through direct pipline to the Chetco ODMDS. The pipeline extending from the beach to the sediment disposal site will be marked by amber lights every 100 feet atop orange, unmarked "pencil" buoys which have light reflectors, refer to enclosure 7. The disposal site is about a mile off-shore and is called the Chetco ODMDS, or Chetco River Entrance. The four corners of this 1800 ft X 1800 ft sediment disposal area are located via four geographic points at 42-01-56N, 124-16-33W; 42-01-56N, 124-16-09W; 42-01-38N, 124-16-09W; 42-01-38N, 124-16-33W. The 'Leonard-G' will be maneuvering to positioning the end of the pipeline for disposal, and will be monitoring VHF-FM channels 13 and 16. The Leonard-G will be display lights and day shapes per the Navigation Rules of the Road. Mariners are requested to use caution and reduce wake when transiting the area. For additional information, contact EMC-Engineers/Scientists at (541) 261-9929, or the Harbormaster at (541) 661-4421.

Chart 18602 LNM: 36/12

SNAKE RIVER – LITTLE GOOSE POOL – Low River Flow Expected (Revised from LNM 31/12)

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

Chart 18546 LNM: 36/12

WASHINGTON – PUGET SOUND – HOOD CANAL – Bangor Pier Construction

Construction of the Explosives Handling Wharf (EHW) #2 at Bangor Submarine Base, at approximately 46-45-09 N / 122-43-23 W, will begin 10 Sep 12, and continue through 09 Jan 16. Mariners can expect material barges, crane barges, tug/push boats, and work skiffs within the vicinity of the EHW piers. VHF-FM Channel 13 will be monitored. For more information, contact Bill Eskins at (678) 449-3892.

Chart 18458 LNM: 36/12

OREGON – CAPE BLANCO TO YAQUINA HEAD – APPROACHES TO COOS BAY – Test Research Buoy Deployment (Revised from LNM 35/12)

Atmocean, Inc. (www.atmocean.com) will be deploying the below listed test research buoys off of Coos Bay, OR from 12 Sep 12 to 01 Oct 12. Please review Enclosure 6 for a detailed mooring plan. For more information contact Mr. Philip Kithil at (505) 310-2294 or atmocean.kithil@gmail.com and Mr. Gary Taylor at (541) 404-1115 or misslindacharters@gmail.com.

Seafloor mooring		43-17-44.790N, 124-28-50.320W
Yellow Buoy A	FL Y 4s Light	43-17-35.700N, 124-28-50.990W
Yellow Buoy B	FL Y 4s Light	43-17-34.210N, 124-28-51.260W

- Each buoy will have a "FL Y 4s" (flashing yellow four seconds, 15 flashes per minute) 2 NM Light Emitting Diode (LED) type light.
- Each buoy will have yellow light reflective tape.
- Each buoy will have a radar reflective cross section.

NOTE: Buoys A and B have a 200' long subsea hydraulic hose and safety line at depth of approximately 20', marked with surface floats. Vessels are recommended to stay clear and not pass between the buoys.

Chart 18580 LNM: 35/12

Columbia River – Pasco to Richland – Special Bridge Notice

WSDOT will be performing minor maintenance to the US 395 bridge, also known as the Pioneer Memorial Bridge or Blue Bridge, which crosses the Columbia River, RM 330, between Kennewick and Pasco Washington. The maintenance activity is scheduled from 27 Sept 12 through 4 Dec 12 during which time a portable work platform approximately 4-8 feet wide will be intermittently deployed up to 15 ft below the bottom of the bridge. Marines are advised to use caution when transiting beneath the bridge during maintenance activities.

Chart 18543 LNM: 35/12

WASHINGTON – APPLETON, WA DGPS SITE – Authorized DGPS Off-Air Time

The USCG NAVCEN has authorized off-air time at the Appleton, WA, (871) DGPS site for preventive maintenance from 0900 to 1100 on 14 Sep 12. An alternate off-air time will be from 0900 to 1100 on 15 Sep 12. No loss of coverage during these times is expected. For additional information or objections, contact the USCG Navigation Center DGPS Operations at (703) 313-5902 or at http://www.navcen.uscg.gov/?pageName=dgpsSiteInfo&currentOutages.

LNM: 35/12

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

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

Chart 18447 LNM: 35/12

COLUMBIA RIVER – Interstate 5 (I-5) Lift Bridges - Special Notice

The USCG has issued a temporary deviation from the operating regulation that governs the Interstate 5 Bridges across the Columbia River, RM 106.5, between Portland, OR. and Vancouver, WA. The deviation allows the lift spans of the I-5 Bridges across the Columbia River to be raised to a reduced height of 130 feet above Columbia River Datum from 0700, 15 Sept 12 through 1800, 14 Oct 12. Under normal condition the bridges, when fully lifted, provide a vertical clearance of 178 feet above CRD. The restricted vertical clearance will be 130 feet above CRD. The restricted lift height is needed to facilitate heavy maintenance on the lift-span.

Chart 18526 LNM: 34/12

OREGON – APPROACHES TO YAQUINA HEAD – Test Buoy Deployment

Oregon State University has deployed the below listed temporary test research buoys off of Yaquina Head until 15 Oct 12. Lighted buoys A, B, C and D mark the boundaries of a box that will contain all of the test research equipment. Enclosures 4 and 5 show the mooring site and plan.

NW Corner Lighted Buoy 'A'	FL Y 2s	44-40-48N, 124-08-42W
NE Corner Lighted Buoy 'B'	FL Y 2s	44-41-54N, 124-07-18W
SE Corner Lighted Buoy 'C'	FL Y 2s	44-40-54N, 124-07-18W
SW Corner Lighted Buoy 'D'	FL Y 2s	44-40-48N, 124-08-42W
Tri-AXYS Research Lighted Buoy	FL (5) Y 20s	44-41-43N, 124-07-42W
Wet-NZ Device Research Lighted Buoy	FL (5) Y 20s	44-41-42N, 124-07-37W

- The Wet-NZ has a three point mooring systems with associated mooring lines and anchors.

Ocean Sentinel Research Lighted Buoy FL (5) Y 20s 44-41-45N, 124-07-36W

- The Ocean Sentinel has a three point mooring systems with associated mooring lines and anchors.
- The Ocean Sentinel moorings have anchor marker buoys with lights, radar reflectors, reflective tape.

NOTE: The Wet-NZ and Ocean Sentinel buoys have a subsea and near surface power-communications cable connected between each of the buoys. The cable is marked with surface floats. However, it is recommended that vessels stay clear of these buoys.

For more information contact the Manager of Wave Energy Ocean Test Facilities, Mr. Sean Moran at (541) 737-5315 or sean.moran@oregonstate.edu or visit "NW National Marine Renewable Energy Center" at http://nnmrec.oregonstate.edu.

Chart 18520 LNM: 34/12

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

765.2	DART Tsunami Warning Lighted Buoy 46407	ADRIFT	18007	0512-12	18/12
765.4	DART Tsunami Warning Lighted Buoy 46404	MISSING	18007	0179-12	06/12
765.7	DART Tsunami Warning Lighted Buoy 46419	MISSING	18007	0927-10	39/10
10415	Bugby Hole Light 46	STRUCT DEST	18523	1156-11	25/11
10480	Pancake Point Dike Light 59	STRUCT DEST	18523	0609-11	25/11
10980	Martin Island Middle Dike Light 65	STRUCT DMGD	18524	1076-11	45/11
11140	Willow Lower Range Front Light	DAYMK IMCH	18525	0695-12	25/12
11475	Mcguire Island Middle Dike Light 34	DAYMK MISSING/STRUCT DMGD	18531	0754-12	27/12
11625	Candiana Light 69	LT IMCH	18531	0571-11	23/11
11770	Bonneville Pool Light 4	STRUCT DEST/LT EXT	18531	0905-10	37/10
11855	Bonneville Pool Light 22	LT EXT	18532	0222-12	07/12
14978	Toe Island Light 1	STRUCT DMGD	18528	0616-12	22/12
15571	**Grays Harbor Entrance Lighted Whistle Buoy 8**	**REDUCED INT**	**18502**	**1020-12**	**37/12**
15585	Point Chehalis Range Front Light	DAYMK MISSING	18502	1012-09	50/09
15981	Point Chehalis Lighted Buoy 2	REDUCED INT	18502	0302-12	10/12
17090	**Browns Point Light**	**LT IMCH**	**18453**	**1043-12**	**37/12**
18300	Kenmore Channel Lighted Buoy 4	OFF STA	18447	0975-12	35/12
19395	Belle Rock Sector Light	MSLD SIG	18429	0766-12	29/12
19400	**Reef Point Junction Lighted Buoy**	**LT EXT**	**18427**	**1032-12**	**37/12**
19490	Peapod Rocks Light 15	DAYMK IMCH	18430	0797-11	34/11
19855	Ewing Island Reef Danger Buoy	MISSING	18431	0585-12	21/12
19875	Alden Bank Buoy 5	OFF STA	18431	0916-12	33/12

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
690	Columbia River Approach Lighted Whistle Buoy CR	WATCHING PROPERLY	18521	1029-12	34/12	37/12
725	Grays Harbor Approach Lighted Whistle Buoy GH	RELIGHTED	18502	1019-12	35/12	37/12
10025	Tansy Point Range Front Light	WATCHING PROPERLY	18521	1035-12	37/12	37/12
13360	Lake Sacajawea Buoy 29	RESET ON STATION	18545	1016-12	36/12	37/12
15135	New Era Bar Range Front Daybeacon	WATCHING PROPERLY	18528	1014-12	30/11	37/12
15140	New Era Bar Range Rear Daybeacon	WATCHING PROPERLY	18528	1015-12	30/11	37/12
15535	Grays Harbor Approach Lighted Whistle Buoy GH	RELIGHTED	18502	1019-12	35/12	37/12
15640	Grays Harbor South Reach Lighted Buoy 17	RESET ON STATION	18502	1030-12	33/12	37/12
17730	Point Hannon Light 2	WATCHING PROPERLY	18477	1008-12	36/12	37/12

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
687	Seaside Data Lighted Buoy	MISSING	18520	0962-12	35/12	
18547	Port Of Everett Jetty Island Light A	LT IMCH	18444	0925-12	34/12	
18549	Port Of Everett Jetty Island Light C	LT EXT	18444	0926-12	34/12	
19745	Pearl Island Pier Lights (2)	LT IMCH	18433	0874-12	32/12	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
586	Port Orford Jetty Light 3	DISCONTINUED	18589	1129-07	22/08	
635	Heceta Head Lighthouse	DISCONTINUED	18580	0049-12	03/12	
10415	Bugby Hole Light 46	TRLB	18523	1166-11	49/11	
10480	Pancake Point Dike Light 59	TRLT	18523	No BNM	21/12	
11770	Bonneville Pool Light 4	TRLB	18531	0909-10	38/10	
19395	Belle Rock Sector Light	TRLT	18429	0766-12	29/12	
19855	Ewing Island Reef Danger Buoy	TRUB	18431	0650-12	23/12	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

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

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Main Panel 2245 NEW YORK HARBOR CGD01

(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W

Green can

Corrective Action	Object of Corrective Action	Position

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

18421 50th Ed. 01-APR-11 Last LNM: 30/12 NAD 83 37/12

ChartTitle: **Strait of Juan de Fuca to Strait of Georgia;Drayton Harbor**

Inset 1658 DRAYTON HARBOR. Page/Side: N/A

DELETE	Dolphin; (Chart No. 1: F20) (NOS NW-22048)	NOS 48-58-51.000N	122-46-27.800W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-50.400N	122-46-25.500W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-51.700N	122-46-29.900W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-52.200N	122-46-32.600W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-53.000N	122-46-35.200W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-53.900N	122-46-37.800W
ADD	Floating Dock and label: Float PA (use Chart No. 1: F26) (NOS NW-22048)	NOS 48-58-57.700N	122-46-25.500W
ADD	Visible Wreck; PA Chart No. 1: K24 (NOS NW-22048)	NOS 48-58-51.200N	122-46-27.400W

18423 38th Ed. 01-OCT-11 Last LNM: 30/12 NAD 83 37/12

ChartTitle: **Bellingham to Everett Including San Juan Islands; Blaine**

Main Panel 1660 BELLINGHAM TO EVERETT INC SAN JUAN ISLANDS DRAYTON HARBOR. Page/Side: b

DELETE	Dolphin; (Chart No. 1: F20) (NOS NW-22048)	NOS 48-58-51.000N	122-46-27.800W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-50.400N	122-46-25.500W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-51.700N	122-46-29.900W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-52.200N	122-46-32.600W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-53.000N	122-46-35.200W
CHANGE	dolphin to Subm dol; (use chart no. 1: F20) (NOS NW-22048)	NOS 48-58-53.900N	122-46-37.800W
ADD	Floating Dock and label: Float PA (use Chart No. 1: F26) (NOS NW-22048)	NOS 48-58-57.700N	122-46-25.500W
ADD	Visible Wreck; PA Chart No. 1: K24 (NOS NW-22048)	NOS 48-58-51.200N	122-46-27.400W

18480 31st Ed. 01-OCT-06 Last LNM: 17/12 NAD 83 37/12

ChartTitle: **Approaches to Strait of Juan de Fuca Destruction Island to Amphitrite Point**

CHART APPROACHES TO STRAIT OF JUAN DE FUCA - DESTRUCTION IS TO AMPHITRITE PT.. Page/Side: N/A

ADD	Subm buoy (50 ft)	CGD13 47-57-48.000N	124-56-53.880W

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

Approved Project(s)	Project Date	Ref. LNM
None		

Advance Notice(s)

COLUMBIA RIVER – COLUMBIA RIVER ENTRANCE – Columbia River Entrance Range Rear Light temporary discontinuance

The USCG will be temporarily discontinuing the Columbia River Entrance Range Rear Light (LLNR 9900) while constructing a new range tower. Work is expected to commence the week of 24 Sep 12 and last approximately two days. A Broadcast Notice to Mariners (BNM) will be issued when the work commences and when it is completed.

Chart 18521 LNM: 37/12

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

WASHINGTON – STRAIT OF JUAN DE FUCA ENTRANCE – NEAH BAY – Neah Bay Light 2 reduction in intensity

The USCG is proposing to reduce the intensity of Neah Bay Light 2 (LLNR 16160). Although the nominal range will remain five (5) nautical miles, there will be a slight decrease in intensity. This proposed change is to facilitate the installation of a self-contained LED lantern.

Chart 18460 LNM: 35/12

SECTION VII - GENERAL

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

BRIDGE LIGHTING DISCREPANCIES

Lights on the following bridges have been reported extinguished:

Waterway	Bridge Name	Location	Status	Date reported	BNM
FDR Lake Columbia R.	Kettle Falls RR Bridge	Kettle Falls, WA	EXT	07/18/12	No BNM
Columbia River	Kettle Falls Hwy Bridge	Kettle Falls, WA	EXT	07/18/12	No BNM
Columbia River	Lady Island Bridge	Camas, WA	EXT	08/05/12	No BNM
Snake River	Lewiston-Clarkston Bridge	Lewiston, ID	EXT	08/08/12	0895-12
Columbia River	Old Youngs Bay Bridge	Astoria, OR	EXT	08/14/12	0919-12
Columbia River	Union Pacific RR Bridge	Kennewick, WA	EXT	08/20/12	0941-12
Snake River	SR-12 Bridge	Pasco, WA	EXT	08/20/12	0942-12
Columbia River	BNSF RR Bridge	Pasco, WA	EXT	08/22/12	0955-12
Columbia River	SR-12 Blue Bridge	Kennewick, WA	R Pier LT EXT	08/22/12	0956-12
Snake River	BNSF RR Bridge	Burbank, WA	EXT	08/23/12	0963-12
Puget Sound	Tacoma Narrows Bridge	Tacoma, WA	EXT	08/25/12	0969-12
Duwamish Waterway	West Seattle Bridge	Seattle, WA	SW LT EXT	08/25/12	0970-12
Thea Foss Waterway	11th Street Bridge	Tacoma, WA	EXT	08/26/12	0971-12
Willamette River	Lake Oswego RR Bridge	Oswego, OR	EXT	09/04/12	No BNM
Snake River	Joso Bridge	Lyons Ferry, WA	Down River G LT EXT	09/04/12	No BNM
Snake River	Sargent Bridge	Starbuck, WA	R LTs EXT	09/04/12	No BNM
Columbia River	McNary Dam Locks Bridge	Umatilla, WA	IMCH	09/07/12	1022-12
Snake River	Camas Prairie RR Bridge	Lewiston, ID	EXT	09/07/12	1023-12

LNM: 37/12

BRIDGE LIGHTING DISCREPANCIES CORRECTED

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

Snake River	Central Ferry Bridge	Central Ferry, WA
Willamette River	Wilsonville RR Bridge	Wilsonville, OR

LNM: 37/12

OREGON – YAQUINA BAY – Yaquina Bay Bridge paint and repair

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

Chart 18581 LNM: 13/11

COLUMBIA RIVER – Astoria Megler Bridge Painting

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

Chart 18521 LNM: 13/12

COLUMBIA RIVER – LONGVIEW - Lewis and Clark Bridge painting

The WSDOT has commenced painting on the Lewis and Clark Bridge superstructure over the Columbia River at RM 66.0 at Longview, WA. Painting will take place through the winter of 2013. Platforms and cables may be in rigged seasonally, in one or more spans with work commencing on the center span. The vertical clearance will be reduced by five feet. For additional information, contact WSDOT at (360) 442-1369.

Chart 18524 LNM: 13/11

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

Scaffolding will be placed on the Steel Bridge, RM 12.1, Willamette River, Portland, Oregon beginning 01 Apr 12. The scaffolding is being placed beneath the lower deck of Steel Bridge to facilitate track maintenance to include the replacement of rail cross ties. Scaffolding may be installed

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

under the bridge so that the vertical clearance is not reduced by more than 4 feet for maritime traffic passing beneath the bridge. The scaffolding may be in place at various locations under the structure from 01 Apr 12 until 01 Apr 13. The lift span of the Steel Bridge will continue to operate as normal in accordance with 33 CFR 117.5 unless otherwise authorized by this office. Questions may be directed to the Coast Guard Bridge Administrator, Randall Overton at 206-220-7282 or email Randall.d.overton@uscg.mil.

Chart 18526 LNM: 13/12

OREGON – WILLAMETTE RIVER – Port of Portland temporary Lighted Buoys for construction

Orange and white lighted buoys have been placed in the following positions for construction:

Willamette River, Tri-Met Bridge at RM 13.5: Orange and white buoys showing a flashing white six (6) second light (Fl W 6s)

A) 45-30-19.900N, 122-40-08.200W B) 45-30-23.400N, 122-40-02.900W C) 45-29-25.200N, 122-40-00.000W
D) 45-30-14.800N, 122-39-55.400W E) 45-30-10.900N, 122-40-01.500W.

Chart 18526 LNM: 11/12

OREGON – WILLAMETTE RIVER – Sellwood Bridge construction

The Sellwood Bridge at RM 16.6 on the Willamette River is under construction for replacement from Dec 2011 to Mar 2015. A no wake zone is in effect within five hundred feet (500') of the bridge. Mariners are advised to use caution and slow to no wake at idle speed. The marked navigable channel at the bridge has been relocated. Mariners are cautioned to observe the temporary navigation buoys and bridge navigation lighting and comply with the exclusion established by both the buoys and signage.

Chart 18526 LNM: 47/11

WASHINGTON – PUGET SOUND – HOOD CANAL BRIDGE – Special Notice

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

Charts: 18473 18476 18477 LNM: 19/12

WASHINGTON – EVERETT – SNOHOMISH RIVER – Snohomish River Bridge

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

LNM: 27/12

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

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

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

Chart 18447 LNM: 27/12

OREGON – REEDSPORT – Temporary Buoy

A temporary lighted yellow buoy flashing yellow every 4 seconds (Fl Y 4s) has been set at approximate position 43-46-05.663N, 124-14-12.880W.

Chart 18580 LNM: 31/12

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

Heceta Head Lighthouse (LLNR 635) will be extinguished for approximately two years for the Heceta Head Lighthouse Restoration Project, that began on 01 Jan 12. The project will involve replacing the electrical system in the lighthouse. More information can be found at: heceta.h.lighthouse@state.or.us.

Chart 18580 LNM: 03/12

COLUMBIA RIVER – CATHLAMET CHANNEL – Severe Shoaling

During an Aids to Navigation verification, the USCG discovered increased shoaling inside the Cathlamet Channel IVO Buoy 5 (LLNR 10543). Depths up to two feet were observed around Buoy 5. Note the chart correction “Shoaling Rep 2001” IVO Buoy 5 on chart 18523. Depths shallower than charted were observed between Buoys 5 and 7. Mariners are urged to transit the area at high tide and use extreme caution.

COLUMBIA RIVER – CATHLAMET CHANNEL – Severe Shoaling

Chart 18523 LNM: 36/11

COLUMBIA RIVER – ILWACO WASHINGTON – Temporary Acoustic Telemetry Equipment Deployment

The Washington Department of Fish and Wildlife, Lower Columbia River Research Group, will be deploying temporary acoustic telemetry equipment in the below listed nine locations in the lower Columbia River near RM 5.0 from 05 Jun 12 to 15 Nov 12. This equipment will be subsurface and marked with one inflatable float, and three small orange foam floats at each station. For more information contact Mr. Phillip Dionne at (360) 906-6745 or at phillip.dionne@dfw.wa.gov.

Station Latitude Longitude
A. 46-14-10.968N, 123-59-33.432W
B. 46-14-11.904N, 123-58-58.116W
C. 46-15-05.544N, 123-58-39.396W
D. 46-14-42.288N, 123-58-47.532W
E. 46-14-42.000N, 123-59-39.984W
F. 46-15-15.012N, 123-59-13.992W
G. 46-15-23.004N, 123-58-18.012W
H. 46-14-49.992N, 123-58-55.992W
I. 46-15-56.124N, 124-02-05.280W

Chart 18521 LNM: 23/12

COLUMBIA RIVER – TENASILLAHE ISLAND – Temporary Acoustic Research Buoys

The Columbia River Inter Tribal Fish Commission will be setting four research buoys IVO Tenasillahe Island near RM 35 from 25-29 Jun 12 until Oct 2012. The buoys are unlighted foam fluorescent orange and size 1.5 ft by 6 inch diameter, and labeled "CRITFC". An additional salmon red inflatable buoy is attached to help distinguish from other recreational buoys. These buoys have an attached Vemco VR-2W receiver that is placed ~10-15- ft below the surface to a 1- inch line, which is held in place by a 50lbs kedge anchor or 22lbs claw anchor and is labeled with contact information as well. The buoys will be set at the following locations:
Tl1 46-14-56.220N / 123-26-03.000W;
Tl2 46-14-46.320N / 123-26-16.980W;
Tl3 46-14-38.700N / 123-26-27.900W;
Tl4 46-13-31.140N / 123-28-37.800W.

Chart 18523 LNM: 24/12

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

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

LNM: 19/12

COLUMBIA RIVER – OREGON – BONNEVILLE – Dolphins Out of Service

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

Chart 18531 LNM: 26/12

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

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

Chart 18532 LNM: 41/11

SNAKE RIVER – LAKE SACAJAWEA – Obstruction to navigation between RM 7 and 8 (Revised from LNM 08/10)

A large rock shelf has been discovered on the north side of the navigation channel between RM 7 and 8 of the Snake River. This rock shelf is submerged and is extending into the navigable channel up to 15 feet in some areas, and lowered the depth of the navigation channel edge to 10 feet in some areas. Mariners are advised to use caution when transiting this area and avoid the northern edge of the navigation channel.

Chart 18545 LNM: 11/10

SNAKE RIVER – LAKE SACAJAWEA – Obstruction to navigation at the downstream approach to the Ice Harbor Lock and Dam (revised from LNM 01/12)

Please continue to use extreme caution when navigating through downstream of the approach to Ice Harbor navigation lock.

Shoaling has been discovered in the south edge of the navigation channel between RM 9 and the Ice Harbor Dam navigation cells, downstream of the dam spillway in the Snake River. This shoaling may be as much as 5 feet above the channel project depth of 12.8 feet. McNary pool is operating at 338.0 feet resulting in a tailwater at Ice Harbor navigation lock of approximately 339.0 feet. Mariners are advised to avoid the

SNAKE RIVER – LAKE SACAJAWEA – Obstruction to navigation at the downstream approach to the Ice Harbor Lock and Dam (revised from LNM 01/12)

southern edge of the navigation channel.

A temporary operation to aid navigation during low flow conditions is currently in place. When possible, the Ice Harbor Operator will coordinate a temporary increase in the Ice Harbor tailwater elevation to improve conditions for tow/barges, subject to the following conditions:

• Traveling Downstream: Tow Captain to request an Ice Harbor temporary operation via the Lower Monumental Operator when leaving Lower Monumental, to allow a minimum of 2 hours lead time.

• Traveling Upstream: If aid is necessary for upstream navigation Tow Captain to call Ice Harbor control room not less than 30 minutes out, longer lead is better.

• Ice Harbor will attempt to provide the best possible conditions for navigation subject to all operating constraints and limitations.

• No increases allowed during night-time zero-generation hours 2000 to 0600.

The most current 2011 survey of the area in question is located on the Walla Walla District Navigation website. Please reference sheet 10 of 10 of the most resent hydrographic surveys located here:
http://www.nww.usace.army.mil/html/OFFICES/OP/T/NAVDATA/2011AnnualConditionSurveys/For%20WEB%20FY11_HLD_CUT_v2.pdf.
Your cooperation in this matter is much appreciated. For additional information, please call Operations Division, at (509) 527-7115 or (509) 527-7120.

Chart 18545 LNM: 06/12

SNAKE RIVER – LAKE SACAJAWEA – ICE HARBOR DAM – Special Pool Operation

A special pool operation to aid safe navigation at Ice Harbor Lock and Dam at RM 9.7 is in place for commercial vessels. See enclosure 3 for the USACE Walla Walla District's navigation notice.

Chart 18545 LNM: 30/12

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

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

Charts: 18460 18480 LNM: 25/12

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

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

Charts: 18421 18431 LNM: 23/12

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

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

Charts: 18421 18427 LNM: 39/11

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

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

Charts: 18400 18440 LNM: 13/12

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

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

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

Charts: 18464 18471 LNM: 24/12

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

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

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

Charts: 18445 18449 LNM: 27/12

WASHINGTON – ELLIOTT BAY – DUWAMISH WATERWAY – South Park Bridge Buoys

Three yellow buoys, with a yellow light flashing every four seconds (Fl Y 4s), have been placed in the Duwamish Waterway until 01 Apr 13. Lighted Buoy 'F' is at 47-31-48.972N, 122-18-54.674W; Lighted Buoy 'G' is at 47-31-44.003N, 122-18-50.400W; Lighted Buoy 'H' is at: 47-31-45.516N, 122-18-48.240W. More buoys will be placed in the waterway in the near future . For additional information, please call (206) 786-9327 or (206) 391-2032.

Chart 18450 LNM: 46/11

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

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

Complete blockage of the Duwamish Waterway for construction has been authorized by the USCG during the following dates and times:
01 Sep 12, 0700 to 1900;
06 Oct 12, 0700 to 1900;
25 Oct 12, 0700 to 1900.

Chart 18450 LNM: 29/12

OREGON – WASHINGTON – Japan Tsunami Marine Debris

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

LNM: 03/12

RADIOTELEPHONE DISTRESS WATCHKEEPING

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

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

LNM: 13/12

SECTION VIII - LIGHT LIST CORRECTIONS

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
None							

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosure 1

OREGON - WASHINGTON - COLUMBIA RIVER - Dredging Operations

LNM: 37/12

Enclosure 2

OREGON - PORTLAND and WASHINGTON - SEATTLE - Marine Events

LNM: 37/12

Enclosure 3

SNAKE RIVER – ICE HARBOR DAM – Special Pool Operation

LNM: 30/12

Enclosure 4

Oregon State University Wave Energy Test Site Map.

LNM: 34/12

Enclosure 5

Oregon State University Wave Energy Test Mooring Plan.

LNM: 34/12

Enclosure 6

Atmocean Test Buoy Mooring Plan.

LNM: 35/12

Enclosure 7

Port of Brookings Dredging Site Map.

LNM: 36/12

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

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

OREGON - WASHINGTON - COLUMBIA RIVER – Dredging Operations

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

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
13 Aug 12	26 Sep 12	Mon-Sun 24 Hours	Columbia River (OR and WA) (RM 22 to 25)	Oregon	Ivanoff, Clackamas, WL Williams	13 and 16 VHF-FM	In- Water (RM 23.5 to 24.5)	33/12
10 Jul 12	25 Sep 12	Mon-Sun 24 Hours	Columbia River Entrance (RM -2 to 2)	Stuyvesant (Hopper)	None	13 and 16 VHF-FM	Columbia River (RM 0)	35/12
30 Jul 12	30 Sep 12	Mon-Sun 24 Hours	Gig Harbor, Murphy's Landing	Orion 1201	Skagit	13,16 and 69 VHF-FM	Commencement Bay	29/12
30 Jul 12	30 Nov 12	Mon-Sat 24 Hours	Willapa Bay, WA (IVO Entrance Light 13)	Ross Island 7	None	13,16 and 79 VHF-FM	Grave Yard Spit	29/12
06 Sep 12	09 Oct 12	Mon-Sun 24 Hours	Chetco River, OR (South to North Basin)	Shark, Leonard-G (off shore)	Little Pushy	13 and 16 VHF-FM	Chetco Open Water	36/12
09 Sep 12	12 Sep 12	Mon-Sun 24 Hours	Columbia River; Airport Bar (RM 112 to RM 114.5)	Yaquina	None	13 and 16 VHF-FM	In-Water	36/12
12 Sep 12	16 Sep 12	Mon-Sun 24 Hours	Columbia River; Washougal Bar (RM 124 to RM 125)	Yaquina	None	13 and 16 VHF-FM	In-Water	36/12
16 Sep 12	18 Sep 12	Mon-Sun 24 Hours	Columbia River; Fashion Reef (RM 133 to RM 134)	Yaquina	None	13 and 16 VHF-FM	In-Water	36/12
15 Sep 12	15 Feb 13	Mon-Sun 24 Hours	Padilla Bay, WA Hat Island Marina	Whitehorse	Western Provider	13 and 16 VHF-FM	Up land	37/12
17 Sep 12	14 Feb 13	Mon-Sun 24 Hours	Swinomish Channel	Mukilteo	Star Marine	13 and 16 VHF-FM	Rosario Strait Open Water Site	37/12
15 Oct 12	15 Feb 12	Mon-Sun 24 Hours	Snohomish River (RM 1.2 to RM 7)	Renegade	Buccaneer	16 and 79 VHF-FM	Jetty Island	37/12

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

OREGON - WASHINGTON - COLUMBIA RIVER – Dredging Operations Planned

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	USACE #
2013	TBD	TBD	Portland, OR Willamette River (RM 5.1)	TBD	TBD	TBD	NWP-2012-302-2

SECTOR COLUMBIA RIVER MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
01 Apr 12 thru 31 Mar 13	1200-1200	OSCA 2012 Sail Boat Races	Columbia River Between I5 and 205 bridge	Oregon Corinthian Sailing Association
30 Aug 12 thru 02 Sep 12	0400-1800	Slam'n Salmon Ocean Derby	Brookings, OR	Port of Brookings Harbor POC: 541-661-1899
15 Sep 12	0830-0900	Columbia Crossing Swim	Pasco, WA	Tree Rivers Road Runners
22 Sep 12	0500-1600	Potholes Bass Club Bass Tournament	Wallula Pool, WA	Pothole Bass Club POC: 509-431-3873
23 Sep 12	1000-1030	Portland Triathlon	North Breakwater to Morrison Bridge, Portland, OR	Skyline Events, LLC
29 Sep 12	0800-1200	Head of the Dog Rowing Regatta	Multnomah Channel Portland, OR	Portland Boat Club POC: 503-549-4606
30 Sep 12	0700-1000	Row For The Cure	Willamette River in downtown Portland	Meg Eastman Thompson POC: 503 459-8854
06 Oct 12	0700-1400	Great Mid Columbia Duck Race	Kennewick, WA	Tri-Cities Rotary Club POC: 509-539-6864
13-14 Oct 12	0600-1600	Couples Tournament	Lake Wallula, WA	Oregon Bass Federation POC: Jason Hooper
27 Oct 12	2000-2030	Leukemia & Lymphoma Light the Night Walk	Willamette River between Steele & Burnside Bridges, Portland, OR	Leukemia & Lymphoma Society
28 Oct 12	0700-1500	Portland Fall Classic	Willamette River, Portland, OR	Station L Rowing Club and Rose City Rowing Club

SECTOR PUGET SOUND MARINE EVENTS

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
12-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
12-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
13-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
14-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
15-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
15-Sep-12	1000 - 1300	Sound Rowers' Budd Inlet Race	Olympia, WA	Sound Rowers
15-Sep-12	1000 - 1800	CYCT Point Beals Race	Browns Point/Beals Point	Corinthian Yacht Club of Tacoma
15-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
15-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club
16-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
16-Sep-12	1000 - 2000	Star and Bar Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
16-Sep-12	1000 - 1700	BYC DJOD-BBOD Regatta	Bellingham Bay	Bellingham Yacht Club
16-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
18-Sep-12	1800 - 2000	Fall Evening - Tuesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
19-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
20-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
21-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
22-Sep-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
22-Sep-12	1100 - 1900	Lake Fall Regatta	Lake Washington	Corinthian Yacht Club of Seattle
22-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
22-Sep-12	1130 - 1700	2012 Stimson Navigation Contest	Bainbridge Island	Seattle Yacht Club
23-Sep-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
23-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
23-Sep-12	1000 - 1600	ABC Challenge	Bellingham, Anacortes	Bellingham Yacht Club
26-Sep-12	1800 - 2000	Fall Evening - Wednesday Evenings	Lake Washington	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	Fall Evening - PHRF	Shilshole Bay	Corinthian Yacht Club of Seattle
26-Sep-12	1800 - 2000	WSCYC September Six Pack Series	Port Orchard, Sinclair Inlet	WSCYC
27-Sep-12	1800 - 2000	Fall Evening - One Design	Shilshole Bay	Corinthian Yacht Club of Seattle
29-Sep-12	1000 - 1500	Sound Rowers' Mercer Island Sausage Pull	Medina Park	Sound Rowers

EVENT DATE	TIME	EVENT NAME	EVENT LOCATION	SPONSOR
29-Sep-12	1000 - 1700	BYC Marmetta Cup	Bellingham Bay	Bellingham Yacht Club
30-Sep-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
30-Sep-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
6-Oct-12	0930 - 1700	Fall Series	Des Moines Marina	Three Tree Point Yacht Club
6-Oct-12	1000 - 1800	Foulweather Bluff Race	Edmonds	Corinthian Yacht Club of Edmonds
6-Oct-12	1000 - 1700	BYC Jack Island Race	Bellingham Bay	Bellingham Yacht Club
6-Oct-12	1100 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
7-Oct-12	1101 - 1900	Puget Sound Sailing Championships OD	Shilshole Bay	Corinthian Yacht Club of Seattle
7-Oct-12	0700 - 1600	NXW Soundriders, Puget Sound SUP Race	Steilacoom, WA	Tacoma South Sound Sports
13-Oct-12	1000 - 1800	Command Point Race	Browns Point/Command Point	Corinthian Yacht Club of Tacoma
13-Oct-12	0700 - 1600	Long Lake Bass Tournament	Lake Washington	Long Lake Bass club
13-Oct-12	0900 - 1800	Raid San Juan	Anacortes/San Juan Islands	Anacortes Yacht Club
14-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
14-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
14-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
19-Oct-12	1000 - 1700	Pacific NW Regional Opti-Regatta	Shilshole Bay	Corinthian Yacht Club of Seattle
20-Oct-12	0900 - 1800	WSCYC Commodores' Cup Regatta	Port Orchard, Sinclair Inlet	WSCYC
20-Oct-12	1100 - 1400	Ruston Way OC-1/2 Relay	Tacoma	Pacific Northwest Outriggers Assoc
21-Oct-12	1200 - 2230	2012 Race Season	Port Gardner Bay	Milltown Sailing Association
21-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
26-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
27-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club
28-Oct-12	1000 - 1800	Halloween Series	Edmonds	Corinthian Yacht Club of Edmonds
28-Oct-12	1300 - 1800	Fall Night Cap Series	Port Townsend Bay	Port Townsend Sailing Association
28-Oct-12	1000 - 2000	Grand Prix Invitational Regatta	Shilshole Bay, Meadow Pt	Seattle Yacht Club

US Army Corps of Engineers®
Walla Walla District

Operations Division

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

July 20, 2012

Special Pool Operation to Aid Safe Navigation Past Shoaling at the Ice Harbor Navigation Coffer Cells

A special pool operation to aid safe navigation during low flow river conditions is currently in place for commercial vessels at Ice Harbor Lock & Dam, located at Snake River mile 9.7. When possible, the Ice Harbor Operator will coordinate a temporary increase in the Ice Harbor tailwater elevation to improve conditions for tow/barges, subject to the following conditions:

- Situations that warrant additional flow for safe navigation include
  - Commercial tows with hazardous or flammable cargo
  - Double wide tows without means to split into single wide
  - Emergency conditions directly attributable to shoaling, where human health and safety, and watercraft are in imminent danger

- It is strongly recommended that the special pool operation be used only when absolutely necessary; example would be fully loaded tows of 3 to 4 barges. Water storage to assist with navigation safety is limited by several constraints and it may take many hours (as much as 24 hours) to provide the water needed for several special operations during a 24-hour period; possibly causing long delays.

- If the water elevation request cannot be met, the Ice Harbor Lock Operator will notify the Tow Captain as soon as possible with an estimated time of providing the desired 341.0' elevation.

- **Traveling Downstream:** The Tow Captain is to request an Ice Harbor a special navigation operation via the Lower Monumental Operator when leaving Lower Monumental, to allow a minimum of 2+ hours lead time.

- **Traveling Upstream:** If aid is necessary for upstream navigation the Tow Captain is to call Ice Harbor control room directly when entering the Snake River and not less than 30 minutes out, or notify McNary control room of intend to travel through Ice Harbor navigation lock.

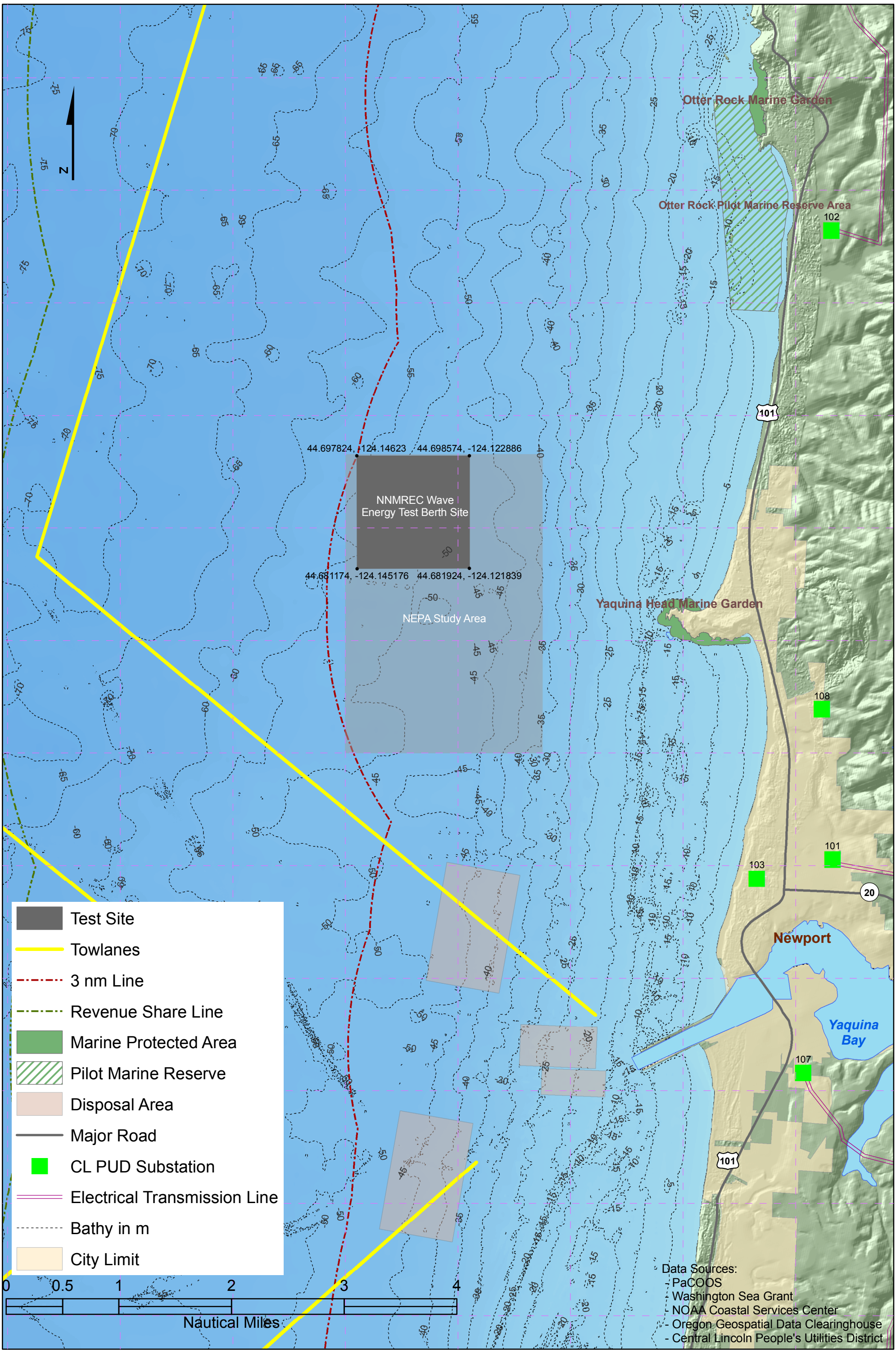
- Ice Harbor will attempt to provide the best possible conditions for navigation subject to all operating constraints and limitations.

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

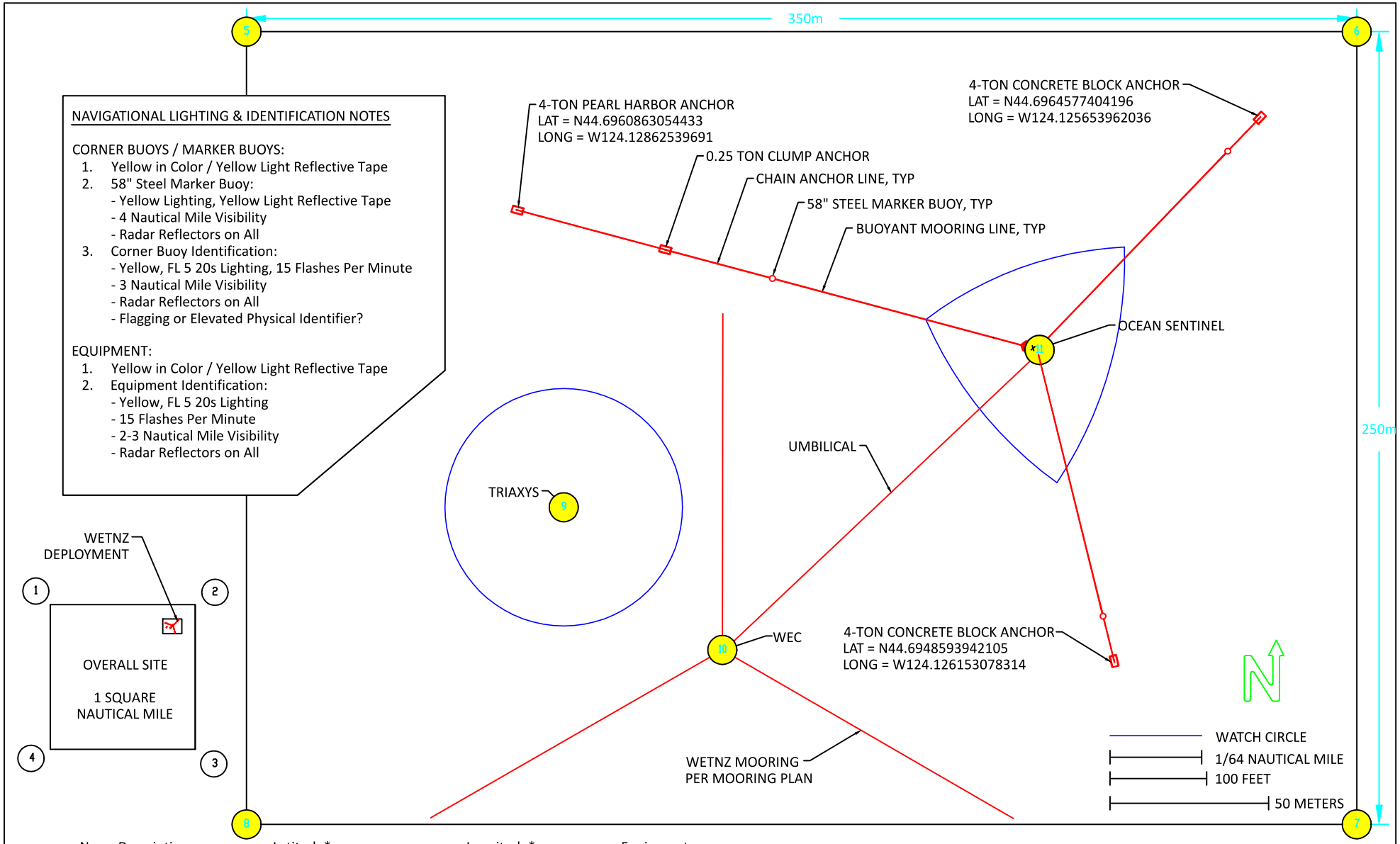
http://www.nww.usace.army.mil/Portals/28/docs/navigation/WEBFY11_HLD_CUT.pdf

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

NNMREC Wave Energy Test Berth Site Map



Not Intended for Nautical Use 1:56,000 Projection: Lambert Conformal Conic NAD83 OSU 2011



NAVIGATIONAL LIGHTING & IDENTIFICATION NOTES

CORNER BUOYS / MARKER BUOYS:

1. Yellow in Color / Yellow Light Reflective Tape
2. 58" Steel Marker Buoy:
   - Yellow Lighting, Yellow Light Reflective Tape
   - 4 Nautical Mile Visibility
   - Radar Reflectors on All
3. Corner Buoy Identification:
   - Yellow, FL 5 20s Lighting, 15 Flashes Per Minute
   - 3 Nautical Mile Visibility
   - Radar Reflectors on All
   - Flagging or Elevated Physical Identifier?

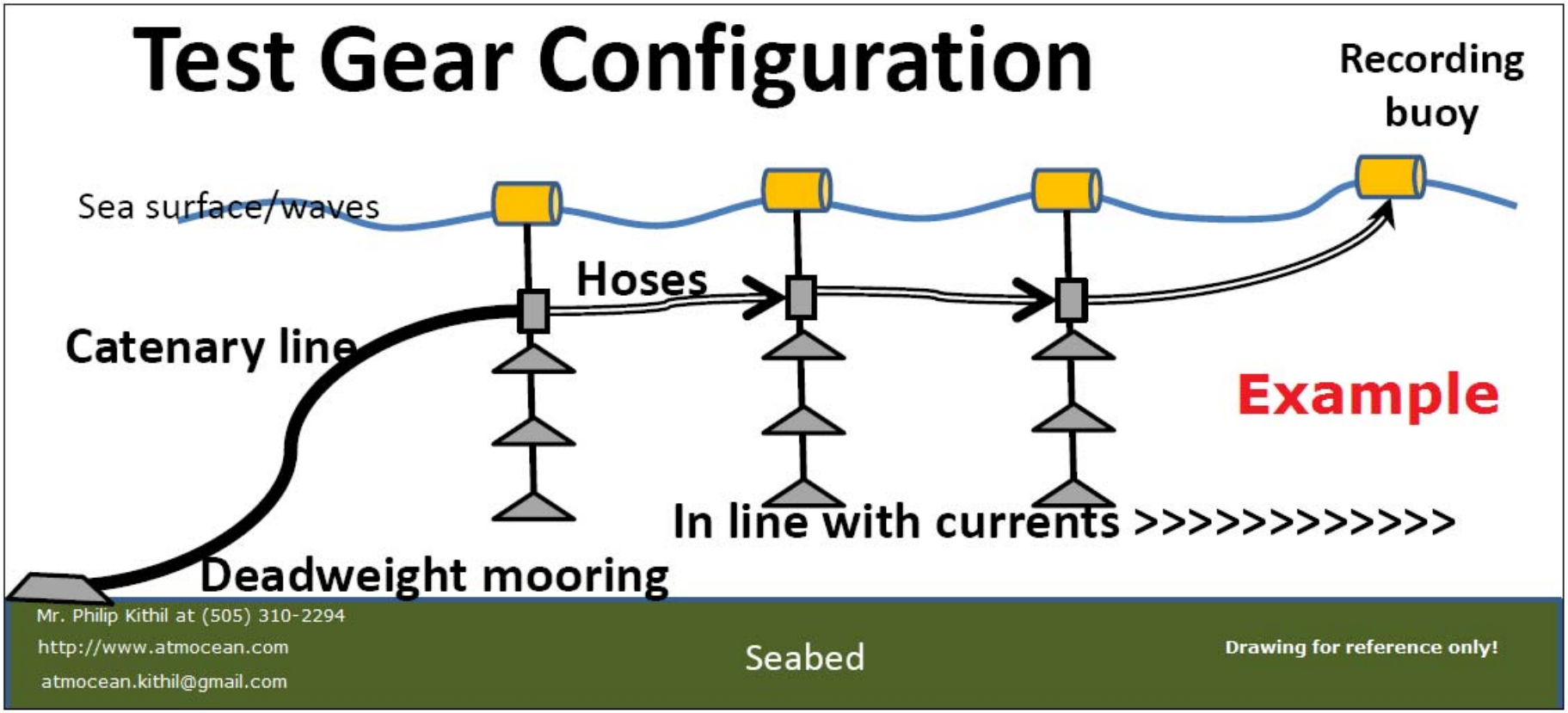
EQUIPMENT:

1. Yellow in Color / Yellow Light Reflective Tape
2. Equipment Identification:
   - Yellow, FL 5 20s Lighting
   - 15 Flashes Per Minute
   - 2-3 Nautical Mile Visibility
   - Radar Reflectors on All

No.	Description	Latitude*	Longitude*	Equipment
1	Northwest Overall Corner	N44.69782444900	W124.14623042100	None
2	Northeast Overall Corner	N44.69857399700	W124.12288514500	None
3	Southeast Overall Corner	N44.68192379500	W124.12183891000	None
4	Southwest Overall Corner	N44.68117442700	W124.14517645600	None
5	Northwest Site Corner	N44.6965437279605	W124.129707103938	Corner Marker Buoy
6	Northeast Site Corner	N44.6966863656804	W124.125292369785	Corner Marker Buoy
7	Southeast Site Corner	N44.6944370691977	W124.125160457274	Corner Marker Buoy
8	Southwest Site Corner	N44.6942945631421	W124.129562402532	Corner Marker Buoy
9	TriAXYS Buoy	N44.6952424893169	W124.128381824207	TriAXYS Device
10	WetNZ Device	N44.6948530701238	W124.127705345208	WetNZ Device
11	Ocean Sentinel Buoy	N44.6957472225033	W124.126498440211	Ocean Sentinel Buoy

*LAMBERT CONFORMAL CONIC NAD83

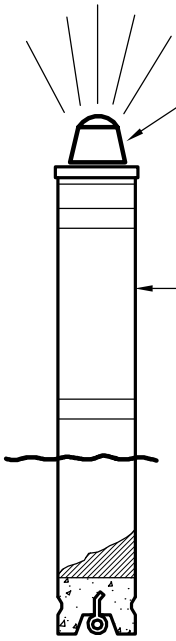
DESIGNER SEAN MORAN, PE	QA REVIEWED BY STM	TEMPLATE # STANDARD
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. LINEAR TOLERANCES ARE: X ±0.1 X.X ±0.03 X.XX ±0.01 X.XXX ±0.003 ANGULAR TOLERANCES ARE: X.X ±0.1 X.XX ±0.05	NORTHWEST NATIONAL MARINE RENEWABLE ENERGY CENTER OREGON STATE UNIVERSITY	
MATERIAL	MOBILE OCEAN TEST BERTH	
FINISH	WETNZ NAVIGATIONAL LIGHTING & MOORING PLAN	
ACAD FILE ..\CONTROLLED DOCUMENTS\ OSU WETNZ NAV LIGHT PLN	SCALE NTS / DRAWN BY STM / DATE 04/18/12	
	Sheet 1 of 1 / SIZE A / DRAWING NUMBER WETNZ4	REV 04



Mr. Philip Kithil at (505) 310-2294
http://www.atmocean.com
atmocean.kithil@gmail.com

PORT OF BROOKINGS
GUIDING MARINER PLAN

BROOKINGS HARBOR
09-04-12

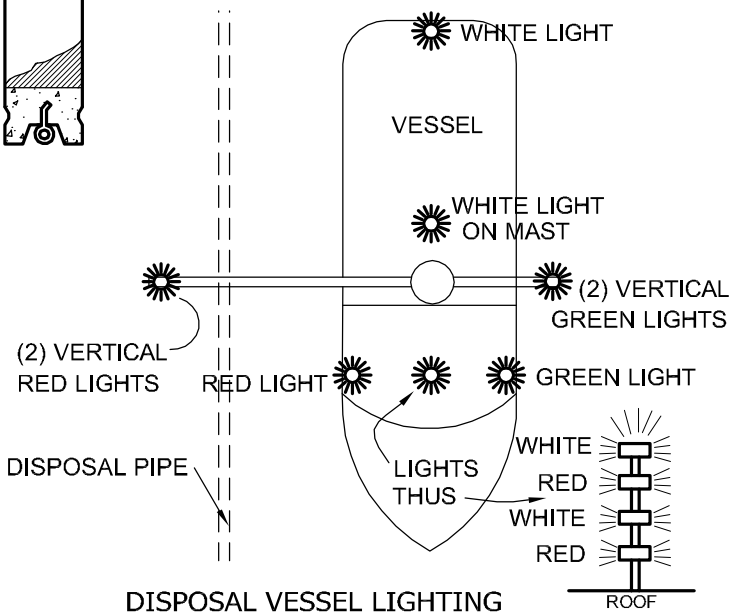


LIGHTS EVERY 100' OPEN OCEAN,
LIGHTS EVERY 30' IN HARBOR

LIGHTING DESIGNATIONS:
Fl R = RED
Fl Y = YELLOW

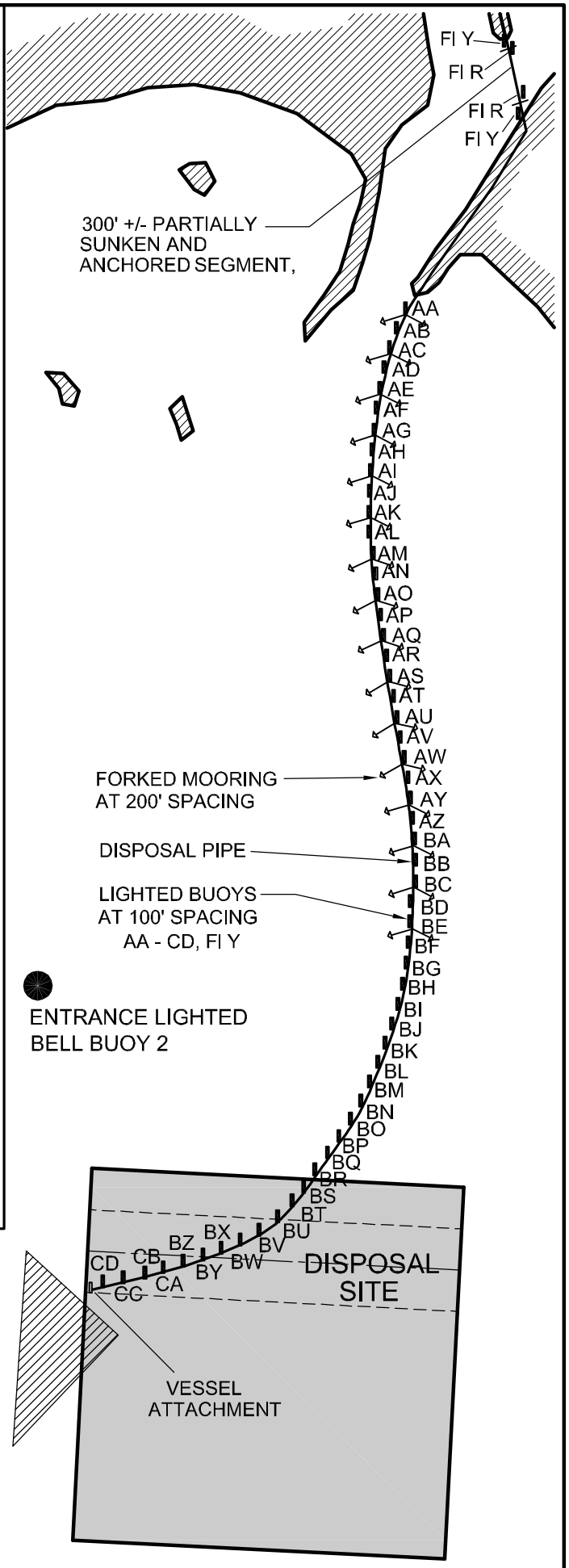
ORANGE COLOR BUOYS

LIGHTED BUOY DETAIL
NO SCALE



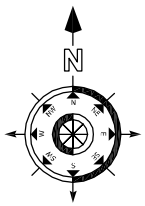
DISPOSAL VESSEL LIGHTING
NO SCALE

1. Two all-round red lights or two balls in a vertical line to indicate the side on which the obstruction exists.
2. two all-round green lights or two diamonds in a vertical line to indicate the side on which another vessel may pass.
3. When at anchor, the lights or shapes prescribed in this paragraph instead of the lights or shape prescribed in rule 30.



0 750 1500

1" =750' +/-



APPROACH LIGHTED WHISTLE BUOY CR

NOT FOR NAVIGATIONAL USE
REFER TO CHART # 18602

APPENDIX D