



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

LOCAL NOTICE TO MARINERS

District: 17

Week: 44/09

-Navigation Information Service (NIS)-
Watchstander, 24 hours a day at (703) 313-5900
-Navcen Internet Address-
www.navcen.uscg.gov
-Local Notice to Mariners-
www.navcen.uscg.gov/lnm

Issued by: Commander (DPW) Telephone: (907) 463-2269 (0800-1600)
Seventeenth Coast Guard District After Hours: (907) 463-2000 (1600-0800)
PO Box 25517 Facsimile: (907) 463-2273
Juneau, AK 99802-5517

Questions, comments or additional information on this Local Notice to Mariners should be sent to the address above or by E-mail to: D17-PF-D17-LNM@uscg.mil. You can get the U.S. Coast Guard 17th District Local Notice to Mariners via the Internet directly from the U.S. Coast Guard Navigation Center web site at www.navcen.uscg.gov/lnm/d17.

REFERENCES: Light List, Vol. VI, Pacific Coast and Pacific Islands, 2009 Edition (COMDTPUB P16502.6).
U.S. Coast Pilot 8, Pacific Coast Alaska: Dixon Entrance to Cape Spencer, 30th Edition.
U.S. Coast Pilot 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, 26th Edition.

BROADCAST NOTICE TO MARINERS

Navigation information previously promulgated by Broadcast Notice to Mariners through 439-09 and still in effect is included in this notice.

Chart Corrections

http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html

Dates of Latest Editions, Nautical Charts, and Miscellaneous Maps

<http://www.nauticalcharts.noaa.gov/mcd/dole.htm>

2009 Light List/ Summary of Corrections

<http://www.navcen.uscg.gov/pubs/LightLists/LightLists.htm>

NOAA Chart Viewer (Posting of all up to date NOAA charts for viewing on Internet browser to be used for ready reference or planning)

<http://www.nauticalcharts.noaa.gov/mcd/OnLineViewer.html>

Coast Pilot Corrections

<http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>

NOAA Weather Buoy Sites

<http://seaboard.ndbc.noaa.gov/Maps/wrldmap.shtml>

Tides on Line

<http://www.tidesonline.nos.noaa.gov>

Tides, Currents, PORTS

<http://www.co-ops.nos.noaa.gov>

Weather

<http://www.noaa.gov/wx.html>

ABBREVIATIONS

A through H

I through O

P through Z

ACOE - Army Corps of Engineers
 ADRIFT - Buoy Adrift
 AICW - Atlantic Intracoastal Waterway
 AI - Alternating
 B - Buoy
 BKW - Breakwater
 bl - Blast
 BNM - Broadcast Notice to Mariner
 bu - Blue
 C - Canadian
 CHAN - Channel
 CGD - Coast Guard District
 C/O - Cut Off
 CONT - Contour
 CRK - Creek
 CONST - Construction
 DBN/Dbn - Daybeacon
 DBD/DAYBD - Dayboard
 DEFAC - Defaced
 DEST - Destroyed
 DISCON - Discontinued
 DMGD/DAMGD - Damaged
 ec - eclipse
 EST - Established Aid
 ev - every
 EVAL - Evaluation
 EXT - Extinguished
 F - Fixed
 fl - flash
 FI - Flashing
 G - Green
 HAZ - Hazard to Navigation
 HBR - Harbor
 HOR - Horizontal Clearance
 HT - Height

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

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
 TRLB - Temporarily Replaced by Lighted Buoy
 TRLT - Temporarily Replaced by Light
 TRUB - Temporarily Replaced by Unlighted Buoy
 W - White
 Y - Yellow

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

755 ALASKA-PRINCE WILLIAM SOUND-SUBSURFACE MOORINGS

Four oceanographic moorings have been deployed in the positions listed below. Mariners are requested to transit these areas with caution. The moorings were deployed on October 26, 2009, and are scheduled for recovery in May 2010.

Positions:	Depth of Mooring:	Depth of water:
60° 14.23' 146° 55.23'	30m	285m
60° 13.46' 146° 45.01'	30m	218m
59° 57.40' 147° 53.44'	30m	204m
59° 56.07' 147° 50.28'	30m	162m

For any questions please contact Mark Halverson (907) 424-5800-x239 or mhalverson@pwssc.org.

LNM: 44/09

756 ALASKA-ALEUTIAN ISLANDS- UNALASKA ISLAND

The 58ft F/V Carley Renee has sunk in 120 fathoms of water in approximate position 53°53.966'N, 166°05.257'W, 2NM Northwest of Egg Island. Mariners are requested to transit the area with caution and report any sighting to the Coast Guard at (907) 463-2001.

LNM: 44/09

757 ALASKA-SOUTHEAST-JUNEAU HARBOR-HAZARDOUS OPERATIONS

A pyrotechnics exercise will be conducted the vicinity of the Coast Guard pier near position 58°17.8N, 134°24.7W from 1200V to 1600V on the

5th of Nov 2009. Danger radius 1000 Yds, danger altitude 1000 Ft. For questions or concerns contact the Coast Guard at (907) 463-2001.

LNM: 44/09

767 **ALASKA-SOUTHEAST-SITKA SOUND-OBSTRUCTION TO NAVIGATION**

The 40ft F/V Rascal has sunk in 122ft of water in approximate position 56°59.31'N, 135°43.25'W, on the north side of St. Lazaria Island. Mariners are requested to transit the area with caution and report any sighting to the Coast Guard at (907) 463-2001.

LNM: 41/09

783 **ALASKA-BEAUFORT SEA AND BERING SEA-SUBSURFACE MOORINGS**

Woods Hole Oceanographic Institution (WHOI) – Mr. John Kemp
jkemp@whoi.edu

Name Lat Lon Depth
MARU 57°08.638N 164°30.563W 70m (surface mooring)

Woods Hole Oceanographic Institution (WHOI) - Dr. Robert Pickart
rpickart@whoi.edu

Name Lat Lon Depth
BS-3 71°23.627N 152°03.820W 145m (sub-surface mooring)

University of Washington - Dr. Kate Stafford
Stafford@apl.washington.edu

Name Lat Lon Depth
B2a 71°26.997N 152°24.004W 125m (sub-surface mooring)
B3a 71°25.500N 152°27.003W 137m (sub-surface mooring)
NMML19 71°32.503N 155°35.511W 66m (sub-surface mooring)

UAF Moorings – Okkonen
rpickart@whoi.edu

Name Lat Lon Depth
A1 71°45.033N 154°28.955W 102m (sub-surface mooring)
A2 71°27.134N 152°30.317W 95m (sub-surface mooring)

LNM: 37/09

788 **ALASKA-BERING STRAIT-SUBSURFACE OCEANOGRAPHIC MOORINGS**

Below are positions of 8 subsurface oceanographic moorings deployed in the Bering Strait region in August 2009 from the Russian vessel Khromov (also known as Spirit of Enderby) under a joint project by the University of Washington (Seattle, USA), the University of Alaska, Fairbanks (USA), and the Arctic and Antarctic Research Institute (St Petersburg, Russia). US funding for these deployments comes from the NOAA -RUSALCA (Russian-US Long-term Census of the Arctic).

Name lat (deg, min) long (deg,min) Water Depth of
(N) (W) depth

IN US WATERS

A4-09 65° 44.762 168° 15.746 50 17
A4W-09 65° 45.424 168° 21.937 56 17
A2-09 65° 46.870 168° 34.044 57 17
A2W-09 65° 48.062 168° 47.957 54 17
A3-09 66° 19.601 168° 57.928 58 17

IN RUSSIAN WATERS

A13-09 65° 52.006 169° 16.987 51 32
A11-09 65° 54.002 169° 25.984 52 17
A12-09 65° 55.993 169° 37.005 51 31

These moorings will remain in position from now (Aug/Sept 2009) until at least autumn 2010, possibly longer. Beyond that, we are planning to

reoccupy these sites continuously until 2013 at least, with US funding from the National Science Foundation (NSF) and NOAA-RUSALCA. I will send an update of positions every time the moorings are serviced (likely annually).

The moorings carry steel floats, EG&G acoustic releases, acoustic current meters (RDI and Aanderaa) sending at ca.300kHz, and temperature and salinity sensors (Seabird). Five moorings (A11-09, A2-09, A2W-09, A3-09, A4-09 and A4W-09) also carry temperature salinity sensor ~ 17m below the surface in an ice- resistant housing.

Primary contact: Rebecca Woodgate (woodgate@apl.washington.edu)
 Applied Physics Laboratory
 University of Washington
 1013 NE 40th Street, Seattle, WA 98105, USA
 Tel: 206-221-3268; Fax: 206-616-3142
<http://psc.apl.washington.edu/BeringStrait.html>

LNM: 36/09

791 **ALASKA-SOUTHEAST-SUBSURFACE MOORINGS**

Below are positions of 24 subsurface fisheries oceanographic moorings deployed in Icy Strait, Chatham Strait and Frederick Sound during 21-26 August 2009 under a joint project by Alaska Department of Fish and Game, the National Marine Fisheries Service, the International Pacific Halibut Commission and the Pacific Ocean Shelf Tracking Project. The receiver moorings will remain in place until spring 2010.

Location	Position	Water Depth	Top Float Depth
Icy Strait (South Passage)	58° 14.8262'N, 136° 7.32546'W	660 feet	390 feet
Icy Strait (South Passage)	58° 14.6112'N, 136° 7.28972'W	614 feet	594 feet
Icy Strait (South Passage)	58° 14.5037'N, 136° 7.27185'W	541 feet	521 feet
Icy Strait (South Passage)	58° 14.3962'N, 136° 7.25398'W	522 feet	502 feet
Icy Strait (South Passage)	58° 14.2887'N, 136° 7.23611'W	358 feet	338 feet
Icy Strait (South Passage)	58° 14.1812'N, 136° 7.21824'W	266 feet	246 feet
Chatham Strait	56° 9.5927'N, 134° 33.39667'W	1821 feet	387 feet
Chatham Strait	56° 9.6115'N, 134° 33.78278'W	1814 feet	1795 feet
Chatham Strait	56° 9.6209'N, 134° 33.97584'W	1820 feet	1800 feet
Chatham Strait	56° 9.6303'N, 134° 34.1689'W	1811 feet	1791 feet
Chatham Strait	56° 9.6397'N, 134° 34.36195'W	1811 feet	1791 feet
Chatham Strait	56° 9.6491'N, 134° 34.55501'W	1798 feet	1778 feet
Chatham Strait	56° 8.6362'N, 134° 25.56783'W	1916 feet	417 feet
Chatham Strait	56° 8.655'N, 134° 25.95379'W	1930 feet	1910 feet
Chatham Strait	56° 8.6644'N, 134° 26.14676'W	1932 feet	1912 feet
Chatham Strait	56° 8.6738'N, 134° 26.3397'W	1936 feet	1916 feet
Chatham Strait	56° 8.6832'N, 134° 26.53272'W	1932 feet	1912 feet
Chatham Strait	56° 8.6926'N, 134° 26.7257'W	1932 feet	1912 feet
Frederick Sound	57° 3.34'N, 134° 15.64'W	1180 feet	928 feet
Frederick Sound	57° 3.1874'N, 134° 15.35938'W	1155 feet	1135 feet
Frederick Sound	57° 3.1111'N, 134° 15.21907'W	1155 feet	1135 feet
Frederick Sound	57° 3.0348'N, 134° 15.07877'W	1155 feet	1135 feet
Frederick Sound	57° 2.9584'N, 134° 14.93847'W	1158 feet	1138 feet
Frederick Sound	57° 2.8821'N, 134° 14.79818'W	1158 feet	1138 feet

Please contact Dave Carlile (907) 465-4216 with any questions or concerns.

LNM: 35/09

800 **NOAA MOORING IN BERING SEA-AUGUST 2009**

NOAA has deployed the following moorings:

- BS09_1: 53° 37.88' N x 167° 23.57' W (near Umnak Pass)
- BS09_2: 55° 45.08' N x 164° 59.47' W
- BS09_3: 54° 25.59' N x 165° 15.93' W (Unimak Pass)

These moorings are subsurface, extending approximately 10 feet up from the seafloor. They will be recovered in August 2010.

Please contact Catherine Berchok at (206) 526-6331 with any questions or concerns.

LNM: 33/09

857 **ALASKA-CHUKCHI AND BEAUFORT SEAS-METOCEAN BUOY DEPLOYMENT**

Shell Offshore Inc. has deployed two Metocean buoys in the locations below. The buoys are yellow and have a radar reflector as well as a strobe light. For any questions or concerns contact Susan Childs at (907) 770-3700, susan.childs@shell.com.

Name	Latitude	Longitude	Depth
IN CHUKCHI SEA			
Burger Metocean Buoy	71.508°N	164.072°W	150ft
IN BEAUFORT SEA			
Sivulliq Metocean Buoy	70.37°N	146.04°W	110ft

LNM: 22/09

861 **ALASKA-KODIAK ISLAND-SUBSURFACE OCEANOGRAPHIC MOORINGS**

NOAA has deployed 26 buoys in Kodiak Harbor and along the entire coastline of Kodiak and Afgonak Islands. An itemized listing is enclosed.

LNM: 21/09

884 **ALASKA-PRINCE WILLIAM SOUND-SUBSURFACE MOORINGS**

The following sub-surface moorings have been deployed in Port Gravina, Prince William Sound

- PST1 60°39.100'N, 146°16.682'W at a depth of 47 meters with a top float depth of 42 meters
- PST2 60°39.338'N, 146°17.353'W at a depth of 69 meters with a top float depth of 64 meters
- PST3 60°39.568'N, 146°18.040'W at a depth of 119 meters with a top float depth of 114 meters
- PST4 60°39.798'N, 146°18.726'W at a depth of 130 meters with a top float depth of 125 meters
- PST5 60°40.028'N, 146°19.413'W at a depth of 128 meters with a top float depth of 123 meters
- PST6 60°40.257'N, 146°20.100'W at a depth of 125 meters with a top float depth of 120 meters
- PST7 60°40.487'N, 146°20.786'W at a depth of 90 meters with a top float depth of 85 meters
- PST8 60°40.717'N, 146°21.473'W at a depth of 71 meters with a top float depth of 66 meters
- PST9 60°40.947'N, 146°22.160'W at a depth of 59 meters with a top float depth of 54 meters
- PST10 60°41.176'N, 146°22.846'W at a depth of 43 meters with a top float depth of 38 meters
- PST11 60°39.078'N, 146°16.243'W at a depth of 17 meters with a top float depth of 15 meters
- PST12 60°41.331'N, 146°23.471'W at a depth of 17 meters with a top float depth of 15 meters
- PST13 60°41.434'N, 146°23.936'W at a depth of 10 meters with a top float depth of 2 meters
- PWS1 60°38.556'N, 146°17.241'W at a depth of 11 meters with a top float depth of 9 meters
- PWS2 60°39.822'N, 146°15.150'W at a depth of 13 meters with a top float depth of 11 meters
- PWS3 60°40.002'N, 146°15.513'W at a depth of 13 meters with a top float depth of 11 meters
- PWS4 60°40.116'N, 146°14.910'W at a depth of 11 meters with a top float depth of 9 meters
- PWS5 60°40.324'N, 146°14.047'W at a depth of 15 meters with a top float depth of 13 meters
- PWS6 60°40.341'N, 146°14.324'W at a depth of 17 meters with a top float depth of 15 meters
- PWS7 60°41.331'N, 146°19.406'W at a depth of 12 meters with a top float depth of 10 meters
- PWS8 60°41.538'N, 146°19.276'W at a depth of 13 meters with a top float depth of 11 meters

The point of contact for these moorings is: Mary Anne Bishop (907)-424-5800 x 228

LNM: 18/09

924 **ALASKA-CHUKCHI AND BEAUFORT SEAS**

Subsurface oceanographic moorings have been placed in the Chukchi and Beaufort Seas. An itemized listing is enclosed.

LNM: 43/08

952 **OCEANOGRAPHIC MOORINGS IN THE ALASKAN BEAUFORT SEA**

19 Oceanographic Moorings have been deployed in the following positions, the depths of moorings and the depth of water at the position is listed below. Mariners are requested to transit these areas with caution.

Positions:	Depth of Mooring:	Depth of water:
71° 02.79' N, 149° 35.45' W	Bottom to Surface Daily	34m

71° 8.03' N, 149° 27.64' W	Bottom to Surface Daily	46m
71° 13.10' N, 149° 19.96' W	Bottom to Surface Daily	251m
71° 23.66' N, 152° 03.03' W	Bottom to Surface Daily	148m
71° 45.02' N, 154° 28.96' W	Bottom to 20m below Surface	100m
71° 27.13' N, 152° 30.32' W	Bottom to 20m below Surface	98m
71° 16.91' N, 149° 20.05' W	Bottom to 20m below Surface	1288m
71° 22.53' N, 149° 19.11' W	Bottom to 60ft below Surface	1858m
71° 22.18' N, 149° 36.84' W	Bottom to 60ft below Surface	1703m
70° 37.94' N, 150° 13.85' W	1 meter above bottom	13m
70° 46.12' N, 149° 59.92' W	1 meter above bottom	20m
70° 52.87' N, 149° 50.49' W	1 meter above bottom	28m
71° 34.49' N, 155° 42.62' W	5 meters above bottom	110m
71° 13.11' N, 149° 20.75' W	5 meters above bottom	252m
71° 35.75' N, 155° 38.73' W	5 meters above bottom	173m
71° 34.08' N, 155° 35.27' W	5 meters above bottom	118m
71° 27.81' N, 152° 14.76' W	5 meters above bottom	134m
71° 22.95' N, 152° 18.59' W	5 meters above bottom	92m
71° 07.95' N, 149° 27.61' W	5 meters above bottom	46m

For any questions please contact Mr. Thomas Weingartner at (907) 474-7993.

LNM: 35/08

995 **ALASKA-SHELIKOF STRAIT-WIDE BAY**

The 197 foot barge FORT YUKON is aground in approximate position 57° 19.5' N, 156° 19.6' W, approximately 1/2NM south of Slaughter Island. Mariners are requested to use caution when transiting the area. For further information, contact Coast Guard Sector Anchorage at (907) 271-6700.

LNM: 02/08

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
984.3	NOAA Dart Tsunami Warning Lighted Buoy 46402	ADRIFT	500	391-09	40/09	
1028	NOAA Data Lighted Buoy 46084	MISSING	531	502-08	53/08	
23915	Nukdik Point Daybeacon 1	DBN DMGD	17317	371-09	39/09	
25050	Kasiana Island Shoal Daybeacon 1	DBN DEST	17324	295-09	30/09	
26315.4	Kasilof Entrance Channel Buoy 6	OFF STA	16662	423-09	42/02	
26435	Point Woronzof Range Front Light	LT EXT	16665	433-09	43/09	
26555	Hutchinson Reef Lighted Whistle Buoy 4	LT EXT	16595	414-09	41/09	
27450	Ulakta Head Light	LT EXT	16529	409-09	41/09	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

DISCREPANCIES (PRIVATE AIDS)

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

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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
1028	NOAA Data Lighted Buoy 46084	DISCONTINUED	531	502-08	29/09	
25050	Kasiana Island Shoal Daybeacon 1	TRUB	17324	299-09	30/09	
27565	Port Moller Entrance Lighted Spar Buoy 2	DISCONTINUED	16363	430-09	42/09	
27570	Port Moller Entrance Lighted Spar Buoy 3	DISCONTINUED	16363	407-09	41/09	
27590	Hague Channel Lighted Spar Buoy 4	DISCONTINUED	16363	407-09	41/09	
27595	Hague Channel Buoy 5	DISCONTINUED	16363	430-09	42/09	
27600	Hague Channel Buoy 6	DISCONTINUED	16363	430-09	42/09	
27605	Hague Channel Lighted Spar Buoy 7	DISCONTINUED	16363	407-09	41/09	
27610	Hague Channel Lighted Spar Buoy 8	DISCONTINUED	16363	407-09	41/09	
27615	Hague Channel Lighted Spar Buoy 9	DISCONTINUED	16363	407-09	41/09	

TEMPORARY CHANGES CORRECTED

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

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

ADD Rock in Feet (Within Corresponding Depth Area); 35 Rk Chart No. 1 NOS 61-13-16.400N 149-59-57.400W
 K14.1 (NOS NW-18174)

17400 17th Ed. 01-MAR-07 Last LNM: 14/06 NAD 83 44/09

ChartTitle: Dixon Entrance to Chatham Strait

Main Panel 2715 DIXON ENTRANCE TO CHATHAM STRAIT. Page/Side: N/A

DELETE Sounding in Fathoms; 10 (NOS NW-18164) NOS 55-25-07.400N 133-08-51.700W
 DELETE Sounding in Fathoms; 10 (NOS NW-18164) NOS 55-27-02.700N 133-09-16.600W
 DELETE Sounding in Fathoms; 12 (NOS NW-18164) NOS 55-26-13.100N 133-08-51.700W
 ADD Rock Awash; Chart No. 1: Ka (NOS NW-18164) NOS 55-24-28.100N 133-02-28.700W
 ADD Rock Awash; Chart No. 1: Ka (NOS NW-18164) NOS 55-26-07.400N 133-06-11.700W
 ADD Rock in Fathoms (Within Corresponding Depth Area); 6 Rk Chart No. 1 NOS 55-25-05.300N 133-08-51.600W
 K14.1 (NOS NW-18164)
 ADD Rock in Fathoms (Within Corresponding Depth Area); 8 Rk Chart No. 1 NOS 55-27-02.300N 133-09-21.500W
 K14.1 (NOS NW-18164)
 ADD Rock in Fathoms (Within Corresponding Depth Area); 9 Rk Chart No. 1 NOS 55-24-49.400N 133-08-50.700W
 K14.1 (NOS NW-18164)
 ADD Rock in Fathoms; 7 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-26-13.100N 133-08-51.600W

17405 16th Ed. 01-OCT-08 Last LNM: 10/06 NAD 83 44/09

ChartTitle: Ulloa Channel to San Christoval Channel;North Entrance, Big Salt Lake;Shelter Cove, Craig

Main Panel 2721 ULLOA CHANNEL TO SAN CHRISTOVAL CHANNEL. Page/Side: N/A

DELETE Sounding in Fathoms & Fractions; 2 3/4 (NOS NW-18164) NOS 55-25-51.200N 133-05-20.400W
 DELETE Sounding in Fathoms & Fractions; 3/4 (NOS NW-18164) NOS 55-24-27.800N 133-02-26.800W
 DELETE Sounding in Fathoms; 11 (NOS NW-18164) NOS 55-26-30.600N 133-03-01.300W
 DELETE Sounding in Fathoms; 11 (NOS NW-18164) NOS 55-27-08.100N 133-07-15.100W
 DELETE Sounding in Fathoms; 13 (NOS NW-18164) NOS 55-24-41.200N 133-04-59.000W
 DELETE Sounding in Fathoms; 4 (NOS NW-18164) NOS 55-26-41.200N 133-02-31.000W
 DELETE Sounding in Fathoms; 6 (NOS NW-18164) NOS 55-24-29.500N 133-04-31.000W
 ADD Rock Awash (Chart Datum); Chart No. 1: K12 (NOS NW-18164) NOS 55-27-14.900N 133-07-20.100W
 ADD Rock Awash; Chart No. 1: Ka (NOS NW-18164) NOS 55-24-28.100N 133-02-28.700W
 ADD Rock Awash; Chart No. 1: Ka (NOS NW-18164) NOS 55-26-07.400N 133-06-11.700W
 ADD Rock in Fathoms (Within Corresponding Depth Area); 6 Rk Chart No. 1 NOS 55-25-05.300N 133-08-51.600W
 K14.1 (NOS NW-18164)
 ADD Rock in Fathoms (Within Corresponding Depth Area); 8 Rk Chart No. 1 NOS 55-27-02.300N 133-09-21.500W
 K14.1 (NOS NW-18164)
 ADD Rock in Fathoms and Fractions; 1 1/4 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-25-52.400N 133-05-20.100W
 ADD Rock in Fathoms and Fractions; 2 3/4 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-24-29.100N 133-04-30.600W
 ADD Rock in Fathoms; 1 1/4 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-26-40.700N 133-02-35.300W
 ADD Rock in Fathoms; 6 3/4 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-26-29.400N 133-03-01.100W
 ADD Rock in Fathoms; 7 Rk Chart No. 1: K14.2 (NOS NW-18164) NOS 55-26-13.100N 133-08-51.600W

ADD	Rock in Fathoms; 8 Rk	Chart No. 1: K14.2 (NOS NW-18164)	55-24-42.500N NOS	133-04-58.900W
ADD	Rock in Fathoms; 8 Rk	Chart No. 1: K14.2 (NOS NW-18164)	55-26-11.700N NOS	133-09-15.600W
ADD	Rock in Fathoms; 9 Rk	Chart No. 1: K14.2 (NOS NW-18164)	55-24-49.400N NOS	133-08-50.700W
ADD	Sounding in Fathoms; 5	(NOS NW-18164)	55-27-09.600N NOS	133-07-13.000W
ADD	Sounding in Fathoms; 8	(NOS NW-18164)	55-24-58.400N	133-05-18.800W

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

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

Drill Rigs/Vessels Established

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

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

Advance Notice(s)

ALASKA-SOUTHEAST-WRANGELL HARBOR

The Coast Guard will be permanently discontinuing Wrangell Harbor Daybeacon 8, LLNR 22660, approximately the second week of November 2009. Please submit questions or concerns to LTjg Kelly Hansen (907) 463-2265, Kelly.k.Hansen@uscg.mil.

LNM: 40/09

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
None			

Proposed Change Notice(s)

None

SECTION VII - GENERAL

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

965 **COMDTINST M16672.2D, NAVIGATION RULES (INTERNATIONAL-INLAND)**

An updated and corrected version of U.S. Coast Guard Commandant Instruction (COMDTINST) M16672.2D, Navigation Rules (International-Inland) is available as a free download at <http://www.navcen.uscg.gov/mwv/navrules/download.htm>. COMDTINST M16672.2D is a compendium of: the International Regulations for Preventing Collisions at Sea, 1972 (72 COLREGS 72), the Inland Navigation Rules, their respective technical annexes, a listing of the COLREGS Demarcation Lines, the Vessel Bridge-to-Bridge Radiotelephone Regulations, and, various other legal provisions regarding compliance and penalties associated with the Navigation Rules. The original version was published on March 25th, 1999, by the U.S. Coast Guard Navigation Standards Branch at Coast Guard Headquarters, Washington, DC 20593-7856. This updated version (.pdf, 651 KB) has corrected typographical errors or omissions, and, includes post-publication 2003 amendments to the International Regulations for Preventing

965 **COMDTINST M16672.2D, NAVIGATION RULES (INTERNATIONAL-INLAND)**
Collisions at Sea (COLREGS). Any questions or concerns contact the Coast Guard NAVCEN at (703) 313-5354.

LNM: 44/09

966 **ALASKA-SOUTHEAST-SKAGWAY HARBOR**
Pacific Pile and Marine is currently installing a wave barrier in Skagway Harbor, addition information is enclosed.

LNM: 41/09

967 **ALASKA-MARINE DEBRIS AND HIGH SEAS DRIFT NETS**
The Marine Conservation Alliance (MCA) Foundation is requesting information on marine debris accumulation and high seas drift nets. Additional information is enclosed.

LNM: 29/09

972 **UPDATE TO THE 2009 EDITION OF THE NOS TIDAL CURRENT TABLES**
The NOAA National Ocean Service's Center for Operational Oceanographic Products and Services (CO-OPS) is issuing a correction to the Latitude/Longitude position recorded in the 2009 Tidal Current Tables - Pacific Coast of North America and Asia for the station at San Christoval Rock. The corrected position for the station is:

Index#	Name	Latitude	Longitude
3416	San Christoval Rock	55° 33.76' N	133° 17.95' W

This change will be reflected in the 2010 edition of the Tidal Current Tables - Pacific Coast of North America and Asia.

For any questions or concerns please contact NOAA at (301) 713-2815.

LNM: 02/09

975 **ALASKA-COOK INLET-NIKISKI/CENTRAL COOK INLET-TIDAL CURRENT TABLES**
NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) has created a supplemental tidal current publication for the marine navigation community of Cook Inlet, Alaska for the last quarter of 2008 and all of 2009. The tidal current predictions in this publication are a reproduction of data that is to be published in the 2009 Tidal Current Tables, with the addition of two new stations near Nikiski. These two new stations, Tesoro Pier and Unocal Pier, S of. will be published in the 2010 Tidal Current Tables. Data collected at the two new sites in summer 2008 were gathered in response to user requests to provide more representative current velocity predictions aiding in the safe docking of large ships at these piers.

In this supplemental publication of the US Tidal Current Tables, Tesoro Pier is published as a Table 1 station to provide daily predictions at this critical location. The Forelands serves as the primary reference station for the Table 2 secondary stations in central Cook Inlet. Unocal Pier, S of. appears in Table 2 as a secondary station referenced to The Forelands. These updates provide improved tidal current predictions for safe marine navigation within central Cook Inlet.

CO-OPS will provide a link to this supplemental information on its website. <http://tidesandcurrents.noaa.gov/currents09/>

LNM: 52/08

986 **REQUEST FOR INFORMATION ON THE USE OF LARGE SCALE DRIFTNETS ON THE HIGH SEAS**
The United States Coast Guard (USCG) requests mariners be on the lookout for and report any observed driftnets or vessels engaged in driftnet fishing on the high seas (more than 200NM from shore). Sighting information may be made to any of the following Coast Guard offices:

Offices	Phone	Fax	Telex	Email
USCG Pacific Area Commander (px) Coast Guard Island, 51-5 Alameda, CA 94568	(510) 437-5897			Michael.W.Karnowski@uscg.mil
USCG 14th District Commander D14 (drm) 300 Ala Moana Blvd Rm 9-232 Honolulu, HI 96850-4982	(800) 331-6176 (808) 541-2123	1-808-541-2500		D14ccdutyofficer@D14.uscg.mil
USCG 17th District Commander D17 (drm) PO Box 25517, Rm 771 Juneau, AK 99802-5517	(800) 478-5555 (907) 463-2000	(907) 463-2023	49615066	JRCCJuneau@uscg.mil

986

REQUEST FOR INFORMATION ON THE USE OF LARGE SCALE DRIFTNETS ON THE HIGH SEAS

Illegal high seas driftnet (HSDN) fishing has historically been conducted in the Northwest Pacific Ocean. Mariners following great circle routes between North America and Asia are most likely to encounter this activity. Fishing activity normally takes place between April 1st and October 31st. However, illegal activity may occur in other areas and at other times of the year.

Information desired includes date, time, position, and description of gear/vessel, name of vessel, homeport, flag state and observed activity. Video or photographs are highly desired and can be mailed or emailed to any of the offices above.

HSDN Fishing Vessel Characteristics:

HSDN fishing vessels typically range from 120 to 200 feet in length and are usually in fair to poor condition. Distinguishing characteristics include:

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

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

LNM: 12/08

988

REQUEST TO SUPPORT AMERICA'S WATERWAY WATCH PROGRAM

The U. S. Coast Guard and the Coast Guard Auxiliary have established a national maritime homeland security awareness program called America's Waterway Watch that asks those who work, live, or recreate on or near the water to be aware of suspicious activity that might indicate threats to our country's homeland security. Americans are urged to adopt a heightened sensitivity toward unusual events and individuals they may encounter in or around ports, docks, marinas, riversides, beaches, or communities. Anyone observing suspicious activity is asked to note details and contact the National Response Center at (877) 24 WATCH (9-2824) or (800)424-8802. In the case of immediate danger to life or property, call local authorities at 911 or contact the Coast Guard on VHF-FM channel 16. The Coast Guard cautions people not to approach or challenge anyone acting in a suspicious manner.

Suspicious activities include:

- People appearing to be engaged in surveillance of any kind.
- Unattended vessels or vehicles in unusual locations.
- Lights flashing between boats.
- Unusual diving activity.
- Unusual number of people onboard a vessel.
- Unusual night operations.
- Recovering or tossing items into/onto the waterway or shoreline.
- Operating in or passing through an area that does not typically have such activity.

Watch for vessels and individuals in locations:

- Under and around bridges, tunnels, or overpasses.
- Near commercial areas or services like ports, fuel docks, cruise ships, or marinas.
- Near industrial facilities like power plants and oil, chemical, or water intake facilities.
- Near military bases and vessels, other government facilities, or security zones.

More information, downloadable file of brochures, decals, posters, and wallet size cards are available at: <http://www.americaswaterwaywatch.org/>.

LNM: 43/07

991

ALASKA-BRISTOL BAY-TOGIK

A large tank has been reported in approximate position 59° 02' 31" N 160° 25' 18" W. The tank is exposed at low tide and is submerged at high tide but has a marker on it. Mariners are requested to transit the area with caution. For further information contact Darryl Thompson at (907) 493-5065.

LNM: 35/06

992

ALASKA-BRISTOL BAY-UGASHIK BAY

Two Vessels have sunk at the mouth of Ugashik Bay, near position 57° 35.7' N 157° 45.9' W. Mariners are requested to transit the area with caution. For further information contact Coast Guard Sector Anchorage at (907) 271-6770.

LNM: 29/06

993

ALASKA-PORT VALDEZ SECURITY ZONE

993 **ALASKA-PORT VALDEZ SECURITY ZONE**

33 CFR 165.1710 has established a security zone encompassing the trans-Alaskan Pipeline System (TAPS) Valdez Terminal Complex, the TAPS tank vessels, and the Valdez Narrows. The security zones are necessary to protect the Alyeska Marine Terminal and TAPS tankers from damage or injury. The following is the security zone around the Alyeska Marine terminal: all waters enclosed within a line beginning on the southern shoreline of Port Valdez at 61° 05' 03.6" N, 146° 25' 42" W; thence northerly to 61° 06' 00" N, 146° 25' 42" W; thence east to 61° 06' 00" N, 146° 21' 30" W; thence south to 61° 05' 06" N, 146° 21' 30" W; thence west along the shoreline and including the area 2000 yards inland along the shoreline to the beginning point. The northern points are illustrated by yellow buoys marked as numbers 25834 and 25835 in the light list. The southern points are marked by two yellow day beacons. As stated in chapter 1 of any Coast Pilots, and the Preface to any Coast Guard Light List, all mariners are reminded that buoys illustrate an approximate position, that mariners must not rely on buoys alone to determine position or navigation. Note: previous positions for the security zone were incorrect due to a publishing error. For further information contact the Captain of the Port at (907) 835-7262 or (907) 835-7205.

LNM: 27/06

995 **Escorted High Capacity Passenger Vessel Moving Security Zone**

The Coast Guard is establishing permanent moving security zones around all escorted High Capacity Passenger Vessels (HCPV) and escorted Alaska Marine Highway System (AMHS) Vessels during their transits in the navigable waters of the Seventeenth Coast Guard District. No vessel may approach within 100 yards of an escorted HCPV or escorted AMHS vessel during their transits within the navigable waters of the Seventeenth Coast Guard District. Persons desiring to transit within 100 yards of a moving, escorted HCPV or AMHS vessel must contact the designated on scene representative on VHF channel 16 (156.800 MHz) or VHF channel 13 (156.650 MHz) to receive permission. If permission is granted to transit within 100 yards of an escorted HCPV or AMHS vessel, all persons and vessels must comply with the instructions of the designated on scene representative. All commercial fishing vessels as defined by 46 U.S.C. 2101(11a) while actively engaged in fishing are exempted from the provisions of this section. Moored or anchored vessels that are overtaken by this moving zone must remain stationary at their location until the escorted vessel maneuvers at least 100 yards. For further information contact: U.S. Coast Guard District 17 (dpi), 709 West 9th Street, Juneau, AK 99801, (907) 463-2821.

LNM: 17/06

997 **ALASKA-COOK INLET-SECURITY ZONE**

The following areas are established as security zones during the specified conditions: All navigable waters within a 1000-yard radius of the Liquefied Natural Gas (LNG) tankers during their inbound and outbound transits through Cook Inlet, Alaska between the Phillips Petroleum LNG Pier, 60° 40' 43" N and 151° 24' 10" W, and the Homer Pilot Station at 59° 34' 86" N and 151° 25' 74" W. All navigable waters within a 1000-yard radius of the Liquefied Natural Gas tankers while they are moored at Phillips Petroleum LNG Pier, 60° 40' 43" N and 151° 24' 10" W. Any concerned vessel traffic should contact Marine Safety Detachment Kenai at (907) 283-3292.

LNM: 33/05

998 **BRIDGE-TO-BRIDGE RADIOTELEPHONE LISTENING WATCH**

VHF radio equipment used to meet the U.S. Bridge-to-Bridge Radiotelephone Act requirement for maintaining a listening watch on the vessel bridge-to-bridge navigation channel 13 must be capable of a continuous, uninterrupted watch. Any radio equipment capable of disrupting the channel 13 watch by a distress call on channel 16 or a distress call on the Global Maritime Distress & Safety System digital selective calling channel 70 should either not be used or have that disruption feature disabled.

LNM: 33/05

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
24114	HAWK INLET LIGHT 6	58-05-56.940N 134-46-23.460W	Fl R 4s	33	4	TR on pile.	44/09
		*					

PUBLICATION CORRECTIONS

Coast Pilot 8 31st Ed 2009, Change 3

Change 3 to Coast Pilot 8 is enclosed.

LNM: 44/09

ENCLOSURES

Coast Pilot 8, 31st Edition, Change 3

[CP8-0903.pdf](#)

Change 3 to Coast Pilot 8

LNM: 44/09

ALASKA- CHUKCHI AND BEAUFORT SEAS

[Beaufort-Chukchi Oct-08.pdf](#)

An itemized listing of subsurface moorings currently in place and/or recently recovered is attached.

LNM: 43/08

ALASKA-SOUTHEAST-SKAGWAY HARBOR

[Notice to Mariners.pdf](#)

Attachment is enclosed.

LNM: 41/09

ALASKA-KODIAK ISLAND-SUBSURFACE OCEANOGRAPHIC BUOYS

[NTM_KOD09A&B.pdf](#)

An itemized listing is enclosed.

LNM: 37/09

ALASKA-MARINE DEBRIS AND HIGH SEAS DRIFT NETS

[Marine Debris.pdf](#)

Additional information is enclosed.

LNM: 29/09

D.M. Seris
Waterways Management Branch
Seventeenth Coast Guard District

OPERATIONAL EXCELLENCE THROUGH LEADERSHIP, TEAMWORK, AND INNOVATION.

Publication—National Ocean Service—U.S. Coast Pilot 8, Alaska: Dixon Entrance to Cape Spencer, 2009 (31st Edition). Change No. 3.

Coast Pilot 8 31st Ed 2009

Corrections

Page 180-Paragraph 284, line 5; read:
harbor is entered between the light and a daybeacon
that ...

(CL 1417/09; LL/09)

Page 180-Paragraph 285, lines 8-9; read:
private float, S of the State float, has water available
during the summer. A 56-foot ...

(CL 1417/09)

Page 180-Paragraph 288, read:

To enter, give the W point of Meyers Island a
good berth to avoid a submerged rock with 4 to 6 feet
(1.3 to 1.8 m) over it, which is reported to be about
150 yards (130 m) off this point. Pass midway
between the light and the daybeacon and turn SE into
the harbor.

(CL 1417/09; LL/09)

Notification of Oceanographic Moorings in the Western North American Arctic

Sub-surface oceanographic moorings in the Beaufort and Chukchi Seas, October 2008 to Septemb

Station	Type	Area	Latitude	Longitude
DVH08-1a	200 kHz sonar	Mackenzie shelf	70 19.973	133 44.471
DVH08-1b	300 kHz sonar	Mackenzie shelf	70 19.928	133 44.293
DVH08-2	200 & 300 kHz sonar	Mackenzie shelf	70 59.209	133 44.921
DVH08-11	900 kHz sonar	Mackenzie shelf	69 46.475	137 02.729
DVH08-A1	400 kHz sonar	North slope	70 21.982	146 00.102
DVH08-A2	600 kHz sonar	North slope	70 21.995	145 59.982
DVH08-K1	400 kHz sonar	North slope	70 17.385	145 19.154
DVH08-K2	600 kHz sonar	North slope	70 17.381	145 19.274
DVH08-V1	400 kHz sonar	North slope	70 37.998	146 08.192
DVH08-V2	300 kHz sonar	North slope	70 37.998	146 08.094
AIM08-1	199 & 300 kHz sonar	Chukchi plateau	75 05.972	167 59.984
DVH08-Bu1	400 kHz sonar	E Chukchi Sea	71 14.371	163 16.847
DVH08-Bu2	300 kHz sonar	E Chukchi Sea	71 14.397	163 16.811
DVH08-Cj1	400 kHz sonar	E Chukchi Sea	71 10.197	166 45.005
DVH08-Cj2	300 kHz sonar	E Chukchi Sea	71 10.183	166 44.931
BC-E-08	Passive sensors	Barrow canyon	71 40.481	154 58.921
BC-C-08	300 kHz sonar + passive sensors	Barrow canyon	71 43.874	155 09.662
BC-W-08	Passive sensors	Barrow canyon	71 48.246	155 20.073

Sub-surface oceanographic moorings removed from the Beaufort and Chukchi Seas during autumn

Station	Type	Area	Latitude	Longitude
DVH07-2	200 & 300 kHz sonar	Mackenzie shelf	70 59.199	133 44.915
DVH07-1	300 kHz sonar	Mackenzie shelf	70 19.975	133 44.484
DVH07-1	400 kHz sonar	Mackenzie shelf	70 19.936	133 44.299
DVH07-11	900 kHz sonar	Mackenzie shelf	69 46.465	137 02.723
IHC06-K1	600 kHz sonar	North slope	70 17.375	145 19.343
DVH07-K2	400 kHz sonar	North slope	70 17.394	145 19.167
DVH07-K3	600 kHz sonar	North slope	70 17.387	145 19.278
DVH07-A1	400 kHz sonar	North slope	70 21.987	146 00.109
DVH07-A2	600 kHz sonar	North slope	70 22.000	146 00.000
DVH07-V1	400 kHz sonar	North slope	70 38.030	146 08.131
DVH07-V2	300 kHz sonar	North slope	70 38.011	146 08.188
AIM06-1	200 & 300 kHz sonar	Chukchi plateau	74 38.688	168 48.760
NC-S-06	300 kHz sonar + passive sensors	Chukchi shelf	73 58.375	167 34.993
HC-E-07	300 kHz sonar + passive sensors	Chukchi shelf	73 09.596	162 19.623
BC-E-07	Passive sensors	Barrow canyon	71 40.483	154 58.922
BC-C-07	300 kHz sonar + passive sensors	Barrow canyon	71 43.873	155 09.669
BC-W-07	Passive sensors	Barrow canyon	71 48.249	155 20.073
BC-H-07	300 kHz sonar + passive sensors	Barrow canyon	71 06.245	159 20.076

Positions NAD-83 via GPS, verified by Navigation Officer

Soundings Echo sounder, corrected for ship's draft & sound speed

Positions NAD-83

Colour [US Economic Zone in BLUE](#)

Vessel CCGS Sir Wilfrid Laurier

Agency Fisheries and Oceans Canada
Institute of Ocean Sciences, Sidney BC Canada

Contact Dr Humfrey Melling
250-363-6552
Humfrey.Melling@dfo-mpo.gc.ca

Date 14-Oct-08

<mailto:navsafety@nga.mil>
Maureen.D.Johnson@uscg.mil 907-463-2270

er 2009

Depth of shallowest component (m)	Water depth (m)	Date IN	New site for 2008-09
50	55	04-Oct-2008	
50	55	04-Oct-2008	
50	111	03-Oct-2008	
31	35	05-Oct-2008	
28	31	03-Oct-2007	
29	32	03-Oct-2007	
28	31	03-Oct-2007	
28	31	03-Oct-2007	
44	47	06-Oct-2008	
44	47	06-Oct-2008	
42	163	11-Oct-2008	Yes
41	45	12-Oct-2008	Yes
41	45	12-Oct-2008	Yes
42	46	12-Oct-2008	Yes
42	46	12-Oct-2008	Yes
40	106	08-Sep-2008	
40	184	31-Aug-2008	
43	172	08-Sep-2008	

n 2008

Replacement mooring listed above?	Water depth (m)	Date OUT
Yes	111	03-Oct-2008
Yes	55	04-Oct-2008
Yes	55	04-Oct-2008
Yes	32	04-Oct-2008
Yes	32	08-Oct-2008
Yes	32	08-Oct-2008
	32	08-Oct-2008
Yes	31	08-Oct-2008
Yes	32	08-Oct-2008
Yes	47	06-Oct-2008
Yes	46	06-Oct-2008
	186	10-Oct-2008
	205	10-Sep-2008
	199	24-Sep-2008
Yes	105	08-Sep-2008
Yes	281	31-Aug-2008
Yes	169	08-Sep-2008
	80	31-Aug-2008

Notice to Mariners

The construction company Pacific Pile & Marine is currently in the process of installing the Wave Barrier in the entrance of Skagway Harbor. All Mariners are asked to please be aware of the Barges anchor lines, and pay close attention while entering and exiting the harbor. The Barge will be working on VHF Channel 14 if you have any concerns while navigating the entrance. The East side of the Barge will be the only access point for the Harbor. There is an Anchor line from the South West corner of the barge to the South dolphin at the Ferry terminal. You can contact this 800 number for the latest information as well.

(877) 272 1276

Anchor Zone

STEM WALL

Crane barge

NEW WAVE BARRIER

McTern's Barge

Buoys

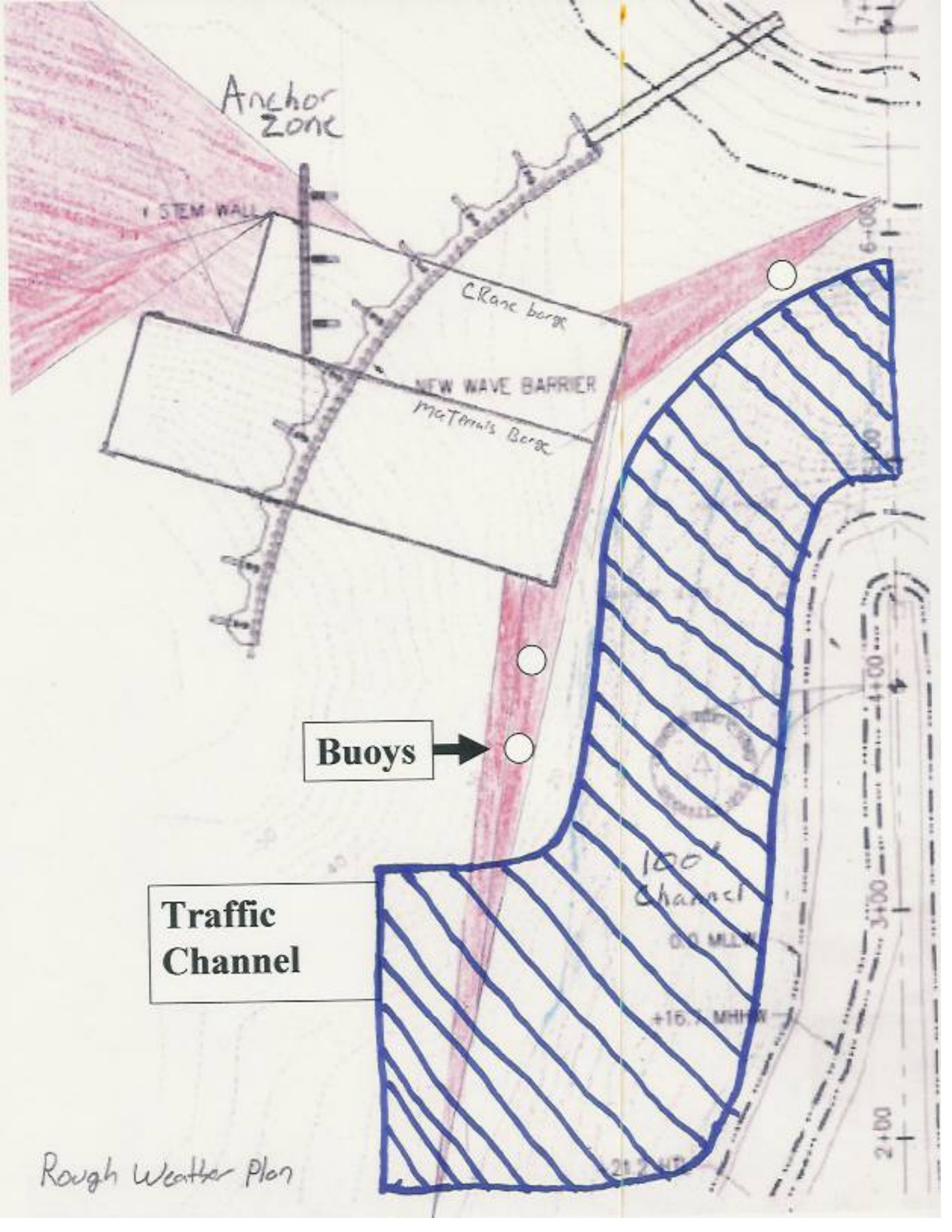
Traffic Channel

100' Channel

0.0 MLLW

+16.0 MHHW

Rough Weather Plan



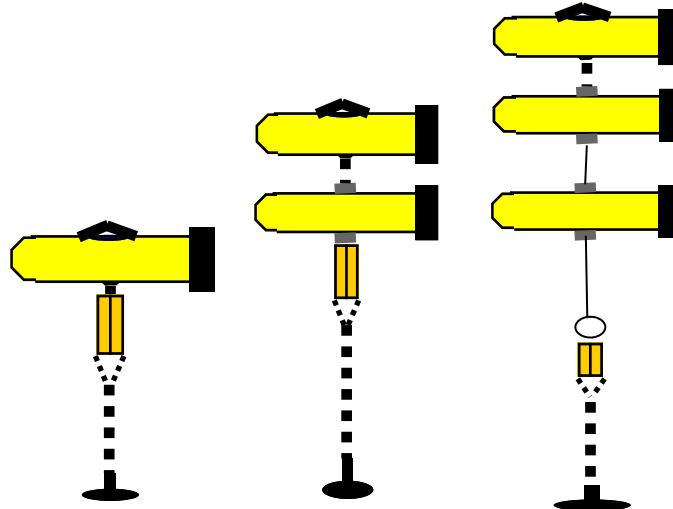
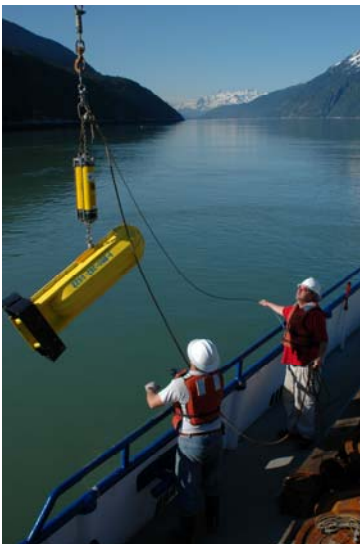


NOTICE TO MARINERS

Transiting the following locations

Over the period from 6/1/09 to 9/4/09, NOAA successfully deployed and recovered sub-surface moorings to measure the tidal currents and update the predictions in and around Kodiak Harbor, and along the entire coastline of Kodiak and Afognak Islands. Thank you to the maritime community in all efforts to avoid disturbing the equipment during the course of the summer. All operations are now complete and moorings are clear of the water.

Station ID	Site Name	Lat	Long	Station depth (m)	Days in water	Height off bottom (m)	Recover date
KOD0901	Chiniak Bay	57.735667	-152.386833	80.5	35	11.5	7/18/09
KOD0902	St Paul Harbor	57.775000	-152.435733	18.3	35	3.0	7/18/09
KOD0903	Kodiak Harbor (Narrows), Chiniak Bay	57.789300	-152.394100	12.2	70	1	9/1/09
KOD0904	Woody Island, N of	57.805433	-152.334733	45.7	35	11.5	7/18/09
KOD0905	Woody Channel	57.780583	-152.366600	28.0	35	4.5	7/18/09
KOD0906	Cape Chiniak	57.607883	-152.090667	79.0	35	5.5	7/18/09
KOD0907	Ugak Bay Entrance	57.399233	-152.535133	73.3	35	5.5	7/18/09
KOD0908	Ugak Is. W of	57.375233	-152.381467	47.4	35	5.5	7/18/09
KOD0909	Cape Barnabas	57.142350	-152.835250	91.8	35	11.5	7/18/09
KOD0910	Left Cape, E of	57.230133	-152.883967	119.6	35	30.0	7/18/09
KOD0911	Cathedral Is, E of	57.197600	-153.106167	122.9	35	30.0	7/18/09
KOD0912	Old Harbor	57.178333	-153.324917	74.8	35	11.5	7/18/09
KOD0913	Natalia Peninsula, W of	57.073167	-153.450983	120.7	35	30.0	7/18/09
KOD0914	Geese Islands, S of	56.686567	-153.919917	40.1	35	11.5	7/18/09
KOD0915	Geese Channel	56.779017	-153.808850	65.8	35	5.5	7/18/09
KOD0916	Cape Sitkinak, E of	56.577017	-153.790333	63.1	35	5.5	7/18/09
KOD0917	Sitkinak Strait, SW	56.654450	-154.133817	40.2	35	11.5	7/18/09
KOD0918	Cape Trinity	56.749567	-154.200783	69.7	35	5.5	7/18/09
KOD0919	Russian Harbor	56.738317	-154.035083	41.7	70	5.5	9/1/09
KOD0920	Approach to Alitak Bay	56.784200	-154.639283	36.6	35	5.5	7/18/09
KOD0921	Cape Ikolik	57.284600	-154.825850	73.2	35	5.5	7/18/09
KOD0922	Cape Grant	57.416133	-154.766883	62.5	35	5.5	7/18/09
KOD0923	Uyak Anchorage	57.637068	-153.996083	24.3	35	4.5	7/18/09
KOD0924	Larsen Bay	57.542000	-153.987450	16.5	35	3.0	7/18/09
KOD0925	Cape Kuliuk, W of	57.793467	-154.032033	63.6	35	5.5	7/18/09
KOD0926	Steep Cape, Shelikof Strait	58.215033	-153.219133	60.4	70	5.5	9/1/09



Single SUBS

Double SUBS

Triple SUBS

Max weight out of water without anchor system:

- Single SUBS— 170 lbs
- Double SUBS— 220 lbs
- Triple SUBS— 355 lbs

Each SUBS unit (L x W x H)
57.5" x 17.3" x 22.8"



For more information call NOAA TIDES & CURRENTS OFFICE (888)722-8433

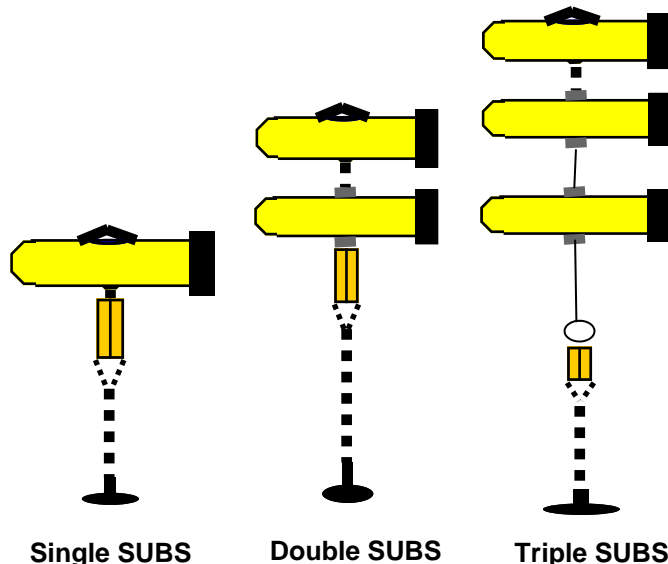
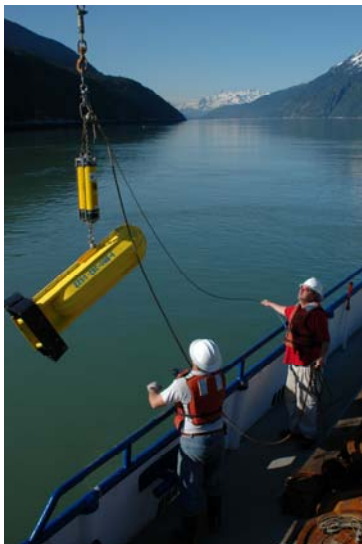


NOTICE TO MARINERS

Transiting the following locations

Over the period from 6/1/09 to 9/4/09, NOAA successfully deployed and recovered sub-surface moorings to measure the tidal currents and update the predictions in and around Kodiak Harbor, and along the entire coastline of Kodiak and Afognak Islands. Thank you to the maritime community in all efforts to avoid disturbing the equipment during the course of the summer. All operations are now complete and moorings are clear of the water.

Station	Potential Site Name	Lat	Long	Depth (m)	Days in Water	Height off Bottom (m)	Recover Date
KOD0903	Kodiak Harbor (Narrows), Chiniak Bay	57.789300	-152.394100	12.2	35	0.0	9/1/2009
KOD0919	Russian Harbor	56.738317	-154.035083	41.7	35	5.5	9/1/2009
KOD0926	Steep Cape, Shelikof Strait	58.215033	-153.219133	60.4	35	5.5	9/1/2009
KOD0914	Geese Channel	56.779017	-153.808850	65.8	35	5.5	9/1/2009
KOD0915	Geese Islands, S of	56.686567	-153.919917	40.1	35	11.5	9/1/2009
KOD0916	Cape Sitkinak, E of	56.577017	-153.790333	63.1	35	5.5	9/1/2009
KOD0917	Sitkinak Strait, SW	56.654450	-154.133817	40.2	35	11.5	9/1/2009
KOD0927	Raspberry Cape, S of	58.018050	-153.423517	90.5	35	5.5	9/1/2009
KOD0928	Kupreanof Strait	57.995450	-153.164500	63.4	35	5.5	9/1/2009
KOD0929	Kupreanof Strait, 0.8 mile off Chernof Point	57.966267	-152.915850	23.5	35	4.5	9/1/2009
KOD0930	Whale Passage, northwest entrance	57.940917	-152.863083	43.0	35	5.5	9/1/2009
KOD0931	Whale Passage, off Bird Point	57.918567	-152.794350	36.6	35	5.5	9/1/2009
KOD0932	Shag Rocks	57.902850	-152.782033	44.5	35	5.5	9/1/2009
KOD0933	Narrow Strait, off Ouzinkie Point, Kod Island	57.911600	-152.521550	30.5	35	5.5	9/1/2009
KOD0934	Afognak Strait, E Entrance	57.993650	-152.680033	43.9	35	5.5	9/1/2009
KOD0935	Raspberry Strait	58.071783	-153.064633	62.2	35	5.5	9/1/2009
KOD0936	Black Cape, Shelikof Strait	58.406933	-152.908283	39.5	35	5.5	9/1/2009
KOD0937	Alligator Island, Shelikof Strait	58.460750	-152.824550	42.1	35	5.5	9/1/2009
KOD0938	Lighthouse Point	58.485517	-152.672233	105.2	35	25.0	9/1/2009
KOD0939	Cape Current Narrows, Shuyak Strait	58.466667	-152.495483	34.7	35	5.5	9/1/2009
KOD0940	East Shuyak Strait	58.461383	-152.423783	122.5	35	30.0	9/1/2009
KOD0941	Tonki Cape, E of	58.346600	-151.912800	50.3	35	5.5	9/1/2009
KOD0942	Marmot Is, W of	58.244733	-151.929383	61.4	35	5.5	9/1/2009
KOD0943	Marmot Is, SW of	58.171833	-151.967767	68.4	35	5.5	9/1/2009
KOD0944	Perevalnie Island, N of	58.651600	-152.371500	100.6	35	11.5	9/1/2009



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Wanted: High Seas Driftnet



To document Illegal, Unregulated and Unreported (IUU) fishing activity, the MCA Foundation is looking for reports and samples of high seas driftnets – like the sample above – found along on the Alaska coast. Look for:

- Mono-filament gillnet with a mesh size of about 4½ inches (115mm)
- Doubled cork line with oblong “banana” float

Send reports of sightings – with GPS coordinates and photos if possible – to marinedebris@ak.net. Net samples (1 sq. foot) are also welcome. Send to: MCA Foundation, 431 N. Franklin St., Suite 305, Juneau AK, 99801.

NOTE: “Banana” floats are quite common along the Alaska coast. Please send reports of netting only. Thank you for your assistance.



MARINE DEBRIS

It's not just an eyesore...

It's a threat
to fish, seabirds and marine mammals...

And it can foul your prop!

The MCA FOUNDATION wants to know
where marine debris accumulates in Alaska
to plan future cleanups and
YOU CAN HELP.

Report sightings of marine debris:

- Location and GPS coordinates
- Description of debris
- Estimated amount

E-mail reports and photos to marinedebris@ak.net
Or phone us at (907) 523-0731

Learn more on the web at: www.MCAFoundation.org

Thanks for helping reduce marine debris!

Report hazardous materials directly to the US Coast Guard at
1-800-424-8802.

