



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

---

## LOCAL NOTICE TO MARINERS

**District: 17**

**Week: 41/09**

-Navigation Information Service (NIS)-  
Watchstander, 24 hours a day at (703) 313-5900  
-Navcen Internet Address-  
[www.navcen.uscg.gov](http://www.navcen.uscg.gov)  
-Local Notice to Mariners-  
[www.navcen.uscg.gov/lnm](http://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](http://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 416-09 and still in effect is included in this notice.

#### Chart Corrections

[http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\\_NM.html](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.

---

**765 ALASKA-ALASKA PENINSULA-FALSE PASS**

False Pass Breakwater Light 1 (LLNR 27401) has been established in position 51°51.918'N, 162°24.146'W and now displays a flashing green 4 second light. False Pass Breakwater Light 2 (LLNR 27402) has been established in position 54°51-54.983'N, 162°24-29.606'W and now displays a flashing red 2.5 second light.

LNM: 41/09

**766 ALASKA-GULF OF ALASKA-HAZARDOUS OPERATIONS**

A gunnery and pyrotechnics exercise will be conducted approximately 25NM east of Cape Chiniak near position 57°27'N, 151°27'W from 1000U to 1800U on the 14th of October 2009. Danger radius is 12,000 yards, danger altitude is 13,000ft. For any questions or concerns contact the Coast Guard at (907) 463-2001.

LNM: 41/09

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

The 40ft F/V Rascal has sunk in 22ft of water in approximate position 56°59.31'N, 135°42.25'W, on the north side of St. Lazaria Islands. Mariners are requested to transit the area with caution and report any sighting to the Coast Guard at (907) 463-2001.

LNM: 41/09

**773 ALASKA-SOUTH CENTRAL-IKUTAN BAY**

A green hulled buoy with an all white light has been temporarily located in position 54°48.884'N, 163°17.355'W. This buoy has no navigational significance. For questions or concerns contact the Coast Guard at (907) 463-2001.

LNM: 40/09

774

**ALASKA-LORSTA ATTU-UNUSABLE TIME**

Loran Station Attu, AK (RATE 9990-X) will be unusable from 1300U to 1700U on the 26th of October 2009, and from 1300U to 1700U on the 27th of October 2009. For questions or concerns contact CWO2 Aaron Urbanawiz at (907) 463-2271.

LNM: 39/09

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).

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>

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.

These moorings replace moorings:

IN US WATERS

A2-08 65°47.195 N 168°34.691W  
 A2W-08 65°48.124 N 168°48.371 W  
 A3-08 66°19.595 N 168°57.875 W  
 A4-08 65°44.882 N 168°15.761 W  
 A4R-08 65°44.946 N 168°15.964 W

IN RUSSIAN WATERS

A1-1-08 65°54.033 N 169°26.174 W  
 A1-2-08 65°56.060 N 169°36.738 W  
 A1-3-08 65°51.897 N 169°16.907 W

which were deployed in autumn 2008 from the Russian vessel Lavrentiev (with US funding by the National Science Foundation (NSF) and NOAA-RUSALCA) and which have now been recovered.

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 retrieved the following moorings:

- LA08\_1: 55° 45.06' N x 164° 59.80' W
- LA08\_2: 56° 15.02' N x 164° 00.17' W
- LA08\_3: 56° 20.07' N x 161° 50.20' W

and 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

801 **ALASKA-NORTON SOUND-SPECTACLED EIDERS**

VESSEL TRAFFIC RECOMMENDATIONS FOR EASTERN NORTON SOUND FROM 1 AUGUST THROUGH 31 OCTOBER

Spectacled eiders (*Somateria fischeri*), a threatened species of seaduck, undergo flightless molt in several locations. The most imperiled population (The Yukon-Kuskokwim Delta breeding population) molts exclusively in eastern Norton Sound. Vessels should remain outside the following area from 1 August through 31 October to avoid disturbing large flocks of these birds (Coordinates provided in Decimal Degrees):

- Northwest corner -- 64.296°N, 162.112°W
- Southwest corner -- 64.053°N, 162.045°W
- Northeast corner -- 64.319°N, 161.654°W
- Southeast corner -- 64.076°N, 161.591°W

During the molting period, spectacled eiders are flightless and use their energy stores to stay warm and grow new feathers. Disturbance from vessel traffic, during this energetically demanding time, could result in harm to the spectacled eiders. The outlined area in Figure1 [http://alaska.fws.gov/fisheries/endangered/images/nortonmap\\_uscg.jpg](http://alaska.fws.gov/fisheries/endangered/images/nortonmap_uscg.jpg) comprises the core molting area for spectacled eiders, although mariners may observe them outside this core area.

LNM: 32/09

842 **ALASKA-COOK INLET-SUBSURFACE MOORINGS**

Below are positions of 5 subsurface oceanographic moorings deployed in upper Cook Inlet during June 4-6, 2009 under a joint project by Alaska Department of Fish and Game, Alaska SeaLife Center, Hawaii Institute of Marine Biology, L'Oceanografic, and University of Alaska- Fairbanks. These moorings will remain in position until autumn 2009.

- EAR68 (Beluga River) in position 61°10.596'N, 150°52.169'W at a depth of 59 feet with a minimum top float depth of 30 feet at mean LLW.
- EAR69 (Cairn Point) in position 61°15.558'N, 149°53.591'W at a depth of 93 feet with a minimum top float depth of 30 feet at mean LLW.
- EAR124 (S. Eagle Bay) in position 61°20.035'N, 149°46.285'W at a depth of 41 feet with a minimum top float depth of 20 feet at mean LLW.
- EAR126 (Fire Island) in position 61°10.659'N, 150°12.604'W at a depth of 77 feet with a minimum top float depth of 30 feet at mean LLW.
- EAR129 (N. Eagle Bay) in position 61°21.940'N, 149°42.932'W at a depth of 45 feet with a minimum top float depth of 20 feet at mean LLW.

Please contact Bob Small (907) 465-6167 with any questions or concerns.

LNM: 24/09

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](mailto: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

885 **ALASKA-PRINCE WILLIAMS SOUND-SUBSURFACE MOORINGS**

Four subsurface oceanographic moorings have been placed in Prince William Sound. Two lie within Montague Strait (MS), while the other two are in Hinchinbrook Entrance (HE). The moorings were deployed on March 28 and 29, 2009, and are scheduled to be recovered in Fall 2009.

Name	Lat	Long	Water Depth (ft)	Top Float Depth (ft)
HE1:	60° 14.080 ' N,	146° 54.938 ' W	925	118
HE3:	60° 14.198 ' N,	146° 44.551 ' W	690	73
MS1:	59° 57.790 ' N,	147° 53.744 ' W	679	115
MS3:	59° 56.063 ' N,	147° 50.201 ' W	503	96

The moorings consist of syntactic foam buoys, plastic buoys, acoustic current meters transmitting and receiving at 300 kHz, temperature/salinity sensors, and ORE Offshore acoustic releases. All moorings are scheduled to be recovered, serviced, and re-deployed in October 2009.

These moorings supersede those listed in previous D17 LNM's for Prince William Sound with reference 18/08.

For more information, contact: Mark Halverson (907) 424-5800 ext239  
mhalverson@pwssc.org

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

986 **ALASKA-KLUTINA RIVER-OBSTRUCTION TO NAVIGATION**

A vessel has been reported aground and partially submerged in Klutina River at the "4.5 mile" mark. Mariners are requested to transit the area with caution. For any questions or concerns please contact LCDR Brian Hofferber at (907) 835-7261.

LNM: 27/08

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
<b>26555</b>	<b>Hutchinson Reef Lighted Whistle Buoy 4</b>	<b>LT EXT</b>	<b>16595</b>	<b>414-09</b>	<b>41/09</b>
<b>27450</b>	<b>Ulakta Head Light</b>	<b>LT EXT</b>	<b>16529</b>	<b>409-09</b>	<b>41/09</b>

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
25700	Valdez Arm Lighted Buoy 9	WATCHING PROPERLY	16707	415-09	41/09	41/09

**DISCREPANCIES (PRIVATE AIDS)**

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

None

**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
1028	NOAA Data Lighted Buoy 46084	DISCONTINUED	531	502-08	29/09	
25050	Kasiana Island Shoal Daybeacon 1	TRUB	17324	299-09	30/09	
<b>27570</b>	<b>Port Moller Entrance Lighted Spar Buoy 3</b>	<b>DISCONTINUED</b>	<b>16363</b>	407-09	<b>41/09</b>	
<b>27590</b>	<b>Hague Channel Lighted Spar Buoy 4</b>	<b>DISCONTINUED</b>	<b>16363</b>	407-09	<b>41/09</b>	
<b>27605</b>	<b>Hague Channel Lighted Spar Buoy 7</b>	<b>DISCONTINUED</b>	<b>16363</b>	407-09	<b>41/09</b>	
<b>27610</b>	<b>Hague Channel Lighted Spar Buoy 8</b>	<b>DISCONTINUED</b>	<b>16363</b>	407-09	<b>41/09</b>	
<b>27615</b>	<b>Hague Channel Lighted Spar Buoy 9</b>	<b>DISCONTINUED</b>	<b>16363</b>	407-09	<b>41/09</b>	

**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.	LNLM St	LNLM 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
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.

**16702**      **14th Ed.**      **01-OCT-09**      **Last LNM: 47/05**      **NAD 83**      **41/09**

*Chart Title: Latouche Passage to Whale Bay*

**Main Panel 2599 LATOUCHE PASSAGE TO WHALE BAY. Page/Side: N/A**

NEW EDITION Scale 1: 40,000; New edition (14 ed, 10/1/2009) due to hydrographic changes. This NOAA chart is now available in both the Print-on Demand and digital raster formats. See <http://nauticalcharts.noaa.gov/mcd/dole.htm> for details. The corresponding traditional paper chart will be available in two to eight weeks.

NOS  
--

**OIL RIG MOVEMENT**

**Drill Rigs/Vessels Removed**

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

**Drill Rigs/Vessels Established**

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

**SECTION V - ADVANCE NOTICES**

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)	Project Date	Ref. LNM
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](mailto: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			
<u>Proposed Change Notice(s)</u>			
None			

---

## SECTION VII - GENERAL

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

---

### 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

### 973 **LONG RANGE IDENTIFICATION AND TRACKING**

The USCG Navigation Center (NAVCEN) announces the operation of the Long Range Identification and Tracking (LRIT) business help desk. The LRIT business help desk will monitor LRIT systems and process inquiries from the public and USCG partners. For more detailed information regarding U.S. LRIT rulemaking, please refer to the LRIT final rule, published in the federal register, Department of Homeland Security, 33 CFR part 169, on Tuesday, April 29th, 2008, or visit the LRIT business helpdesk section of the Navigation Center website at <http://www.navcen.uscg.gov/LRIT>, the LRIT business help desk phone number is (703) 313-5788 or (866) 944-LRIT (5748).

LNM: 01/09

### 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

975 **ALASKA-COOK INLET-NIKISKI/CENTRAL COOK INLET-TIDAL CURRENT TABLES**

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		D14ccduyofficer@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

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.

988 **REQUEST TO SUPPORT AMERICA'S WATERWAY WATCH PROGRAM**

- 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-TOGIAK**

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**

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

---

---

**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**

**Coast Pilot 9, 27th Edition, Change 1**

Change 1 to Coast Pilot 9 is enclosed.

LNM: 40/09

---

---

**ENCLOSURES**

**Coast Pilot 9, 27th Edition, Change 1**

[CP9-0901.pdf](#)

Change 1 to Coast Pilot 9

LNM: 40/09

**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 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, 2009 (27<sup>th</sup>) Edition. Change No. 01.

Coast Pilot 9 27<sup>th</sup> Ed 2009

Corrections

Page 318-Paragraph 362, line 3; read:  
of 10 to 20 fathoms except for various shoal areas to  
4½ fathoms ...

(CL 1214/09)

## 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](mailto:Humfrey.Melling@dfo-mpo.gc.ca)

**Date** 14-Oct-08

<mailto:navsafety@nga.mil>  
[Maureen.D.Johnson@uscg.mil](mailto: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** →

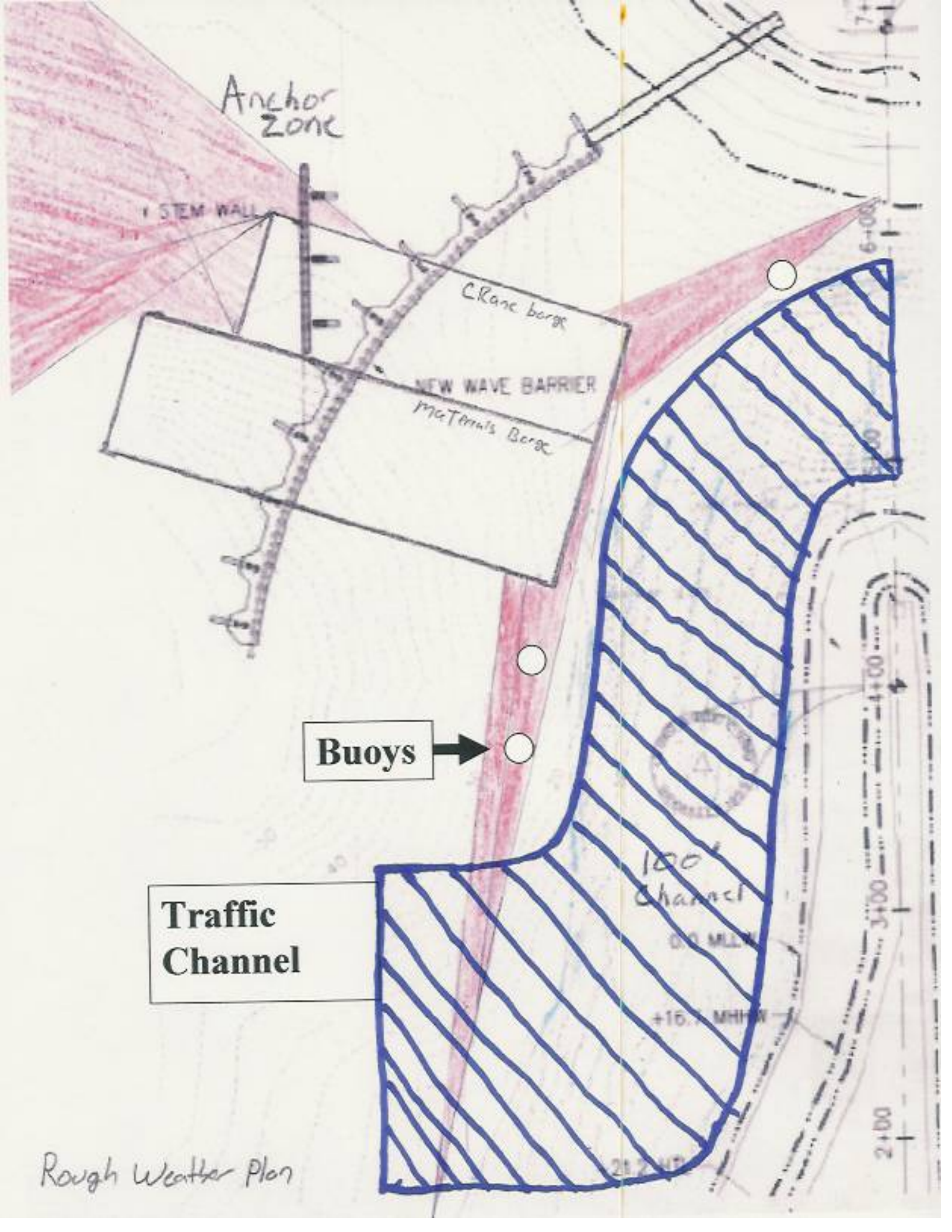
**Traffic Channel**

100' Channel

0.0 MLLW

+16.0 MHHW

Rough Weather Plan



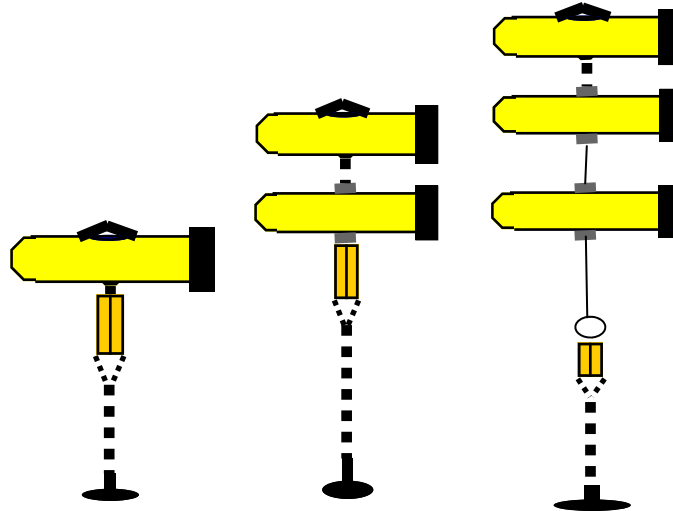
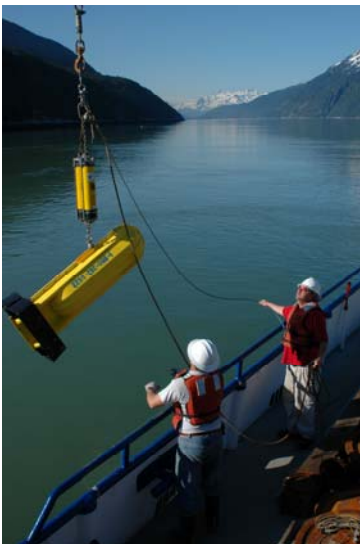


# NOTICE TO MARINERS

## 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**

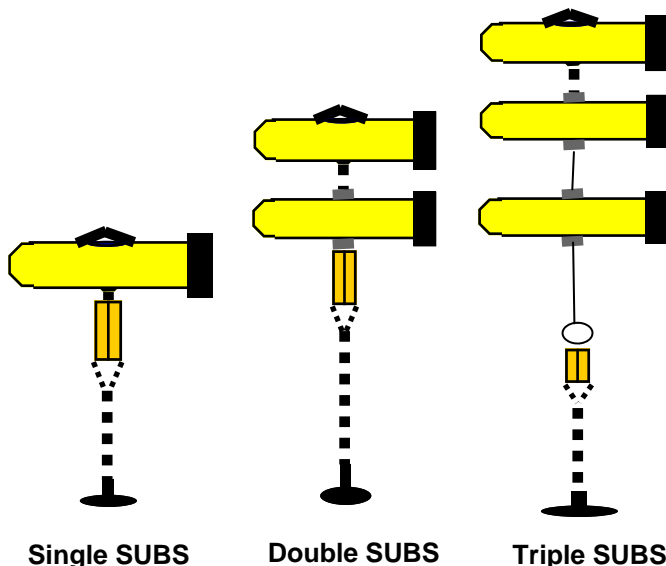
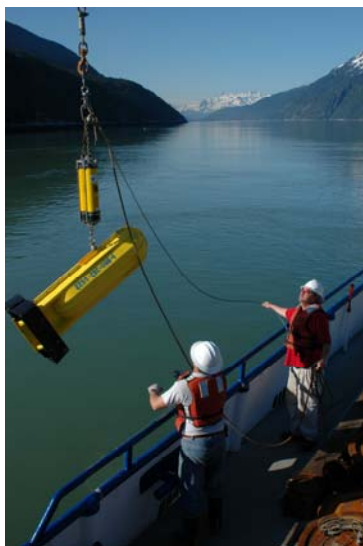


# NOTICE TO MARINERS

## 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



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

# 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](mailto: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](mailto:marinedebris@ak.net)  
Or phone us at (907) 523-0731

Learn more on the web at: [www.MCAFoundation.org](http://www.MCAFoundation.org)

Thanks for helping reduce marine debris!

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

