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

LOCAL NOTICE TO MARINERS

District: 17 Week: 24/16

-Navigation Information Service (NIS)-
Watchstander, 24 hours a day at (703) 313-5900
~Navcen Internet Address~
www.navcen.uscg.gov
-Local Notice to Mariners-
http://www.navcen.uscg.gov/?pageName=lnmMain

Issued by: Commander (DPW) Telephone: (907) 463-2269 (0800-1600)
Seventeenth Coast Guard District After Hours: (907) 463-2000 (1600-0800)
PO Box 25517, Juneau, AK 99802-5517
http://www.uscg.mil/d17/D17%20Divisions/dpw/dpw.asp

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 http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=17.

REFERENCES: Light List, Vol. VI, Pacific Coast and Pacific Islands (COMDTPUB P16502.6).
U.S. Coast Pilot 8, Pacific Coast Alaska: Dixon Entrance to Cape Spencer, 37th Edition.
U.S. Coast Pilot 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, 33rd Edition.

BROADCAST NOTICE TO MARINERS
Navigation information previously promulgated by CG Sector Juneau Broadcast Notice to Mariners through J095-16 and CG Sector Anchorage Broadcast Notice to Mariners through A103-16 that are still in effect are 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

Light List/ Summary of Corrections
http://www.navcen.uscg.gov/index.php?pageName=lightLists

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

NOAA Booklet Charts
http://www.nauticalcharts.noaa.gov/staff/BookletChart.html

Coast Pilots, along with corrections, are available at:
http://nauticalcharts.noaa.gov/nsd/cpdownload.htm

NOAA Weather Buoy Sites
http://seaboard.ndbc.noaa.gov/Maps/wrldmap.shtml

Tides online
http://www.tidesonline.nos.noaa.gov

Tides, Currents, PORTS
http://www.co-ops.nos.noaa.gov

Weather
http://www.noaa.gov/wx.html

Vessel Traffic System Prince William Sound (VTSPWS) Users Manual
Http://homeport.uscg.mil/valdez

ABBREVIATIONS

A through H

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

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LTR - Letter
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHz - Megahertz
MISS/MSNG - Missing
Mo - Morse Code
MRASS - Marine Radio Activated Sound Signal
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

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
RRASS - Remote Radio Activated Sound Signal
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
USACE - Army Corps of Engineers
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.

486 **ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – PORT VALDEZ**

Prince William Sound Regional Citizens Advisory Council is conducting a drift study of Port Valdez from June 22 through July 01. Approximately 25 semi submerged drift buoys will be launched. Buoys consist of a red or white sphere 1 meter in diameter with a submerged drogue. The drift buoys are unlighted and may be difficult to see. Mariners are requested to use caution when transiting the area. Questions/concerns should be directed to the Regional Citizens Advisory Council at (907) 834-5000.

LNM: 24/16

487 **ALASKA – SOUTHEAST – GASTINEAU CHANNEL**

HAZARDOUS OPERATIONS: A gunnery and pyrotechnics exercise will be conducted in Southern Gastineau Channel in approximate position 58°13.52'N, 134°15.57'W from 171600 to 172000 UTC which is 0800 to 1200 on June 17th, 2016. The gunnery portion of the exercise will exclusively use blank cartridges. Danger radius is 500 yards and danger altitude is 500 feet. Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at (907) 463-2980 or on VHF/FM channel 16. The unit conducting the exercise will also be monitoring VHF/FM channel 16 during the exercise.

LNM: 24/16

488 **ALASKA – VESSELS TRANSITING THE BERING STRAIT**

The Coast Guard has issued Marine Safety Information Bulletin 01-16 on June 14th, 2016, to assist with voyage planning for vessels transiting the Bering Strait. The entire bulletin is included with this LNM as an enclosure. Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 24/16

489 **ALASKA – SOUTHWEST – BRISTOL BAY – CAPE GREIG**

The U.S. Fish and Wildlife Service (USFWS) would like to notify mariners that there is currently a large group of walruses hauled out on the beach at Cape Greig. Large concentrations of walruses can be expected to be encountered in the near shore waters. To prevent disturbance at this haulout the U.S. Fish and Wildlife Service suggests that all marine vessels 50 feet in length or less should remain at least a 0.5 nautical mile away from hauled out walrus. Marine vessels 50 - 100 feet in length should remain at least 1 nautical mile away from hauled out walrus, and marine vessels greater than 100 feet in length should remain at least 3 nautical miles away from hauled out walrus. All vessels should refrain from anchoring or conducting tendering operations within 3 miles of hauled out walrus. It is anticipated that walruses will continue to use the Cape Greig haulout through the summer months.

Marine vessels traveling in a predictable manner appear to be less disturbing to walruses. If you observe walruses in the water, near your vessel, avoid excessive speed or sudden changes in speed or direction. Vessel operators should take every precaution to avoid harassment of walruses when a vessel is operating near these animals. Vessels should reduce speed and maintain a minimum 805-m (0.5-mi) separation distance from the vessel to groups of walruses encountered in the water. Vessels should not be operated in such a way as to separate members of a group of walruses from other members of the group.

Pacific walruses are protected under the Marine Mammal Protection Act (MMPA) and harassment or disturbance is illegal. Questions/concerns should be directed to the USFWS, Marine Mammals Management toll free at 1-800-362-5148. To report instances of disturbance or harassment contact: USFWS, Office of Law Enforcement toll free at 1-877-535-1795 or 1-800-858-7621.

LNM: 24/16

490 **ALASKA – SOUTHEAST – KRESTOF SOUND**

The unmarked partially submerged buoy previously reported approximately 250 yards West of Sound Island in Krestof Sound has been recovered and is no longer an obstruction to navigation. Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 24/16

493 **ALASKA – CHUKSHI SEA – POINT HOPE**

R.T. Casey, LLC will be conducting horizontal directional drilling to support the Quintillion Fiber Optic Project from June 21 to July 9, 2016, which will include diving and support activities approximately 0.2 NM offshore in approximate position 68°20'28.0010N", 166°43'09.1095"W. The vessels involved in the Project will include the tug Gretchen H, runabout Miss Bethany, and the barge Seabeck. Vessels will be monitoring VHM/FM channels 7 and 13, and UHF channel 1. Mariners are requested to maintain a 1,000 yard CPA. Questions/concerns should be directed to R.T. Casey, LLC at (907) 855-1521 or (504) 491-2288.

LNM: 23/16

494 **ALASKA – CHUKCHI SEA – BARROW**

R.T. Casey, LLC will be conducting horizontal directional drilling to support the Quintillion Fiber Optic Project from July 7 to August 3, 2016, which will include diving and support activities approximately 0.7 NM offshore in approximate position 71°16'22.7193"N, 156°52'21.8543"W. The vessels involved in the Project will include the tug Gretchen H, runabout Miss Bethany, and the barge Seabeck. Vessels will be monitoring VHM/FM channels 7 and 13, and UHF channel 1. Mariners are requested to maintain a 1,000 yard CPA. Questions/concerns should be directed to R.T. Casey, LLC at (907) 855-1521 or (504) 491-2288.

LNM: 23/16

495 **ALASKA – BEAUFORT SEA – OLIKTOK POINT**

R.T. Casey, LLC will be conducting horizontal directional drilling to support the Quintillion Fiber Optic Project from July 9 to July 23, 2016, which will include diving and support activities approximately 0.3 NM offshore in approximate position 70°30'39.2804"N, 149°52'53.2983"W. A shallow water vessel will provide offshore dive support. The vessel will be monitoring VHM/FM channels 7 and 13, and UHF channel 1. Mariners are requested to maintain a 1,000 yard CPA. Questions/concerns should be directed to R.T. Casey, LLC at (907) 855-1521 or (504) 491-2288.

LNM: 23/16

496 **ALASKA – SOUTHCENTRAL – COOK INLET NAVIGATION CHANNEL**

The Cook Inlet Navigation Channel was dredged during the summer of 2014 to a project depth of -38 feet (FT) mean lower low water (MLLW). A project condition survey was conducted on April 15th, 2016 in which the following controlling depths were recorded:

Left Outside Quarter 61°12'19.44"N, 150°04'38.99"W and 61°12'29.31"N, 150°03'58.18"W both at -40.1 FT MLLW

Left Inside Quarter 61°12'0.69"N, 150°05'33.03"W at -41.1 FT MLLW

Right Inside Quarter 61°11'57.74"N, 150°05'33.02"W at -39.8 FT MLLW

Right Outside Quarter 61°12'04.17"N, 150°04'55.28"W at -39.6 FT MLLW

A chartlet of the controlling depths as well as survey data are available on the U.S. Army Corps of Engineers (USACE), Alaska District website at: http://www.poa.usace.army.mil/About/Offices/ConstructionOperations/RiversandHarbors.aspx No maintenance dredging is scheduled for this channel during 2016. A condition survey of the channel is tentatively scheduled for May 2017. Questions/concerns should be directed to

Donna West with the USACE Anchorage office at (907) 753-2761 or by email to Donna.L.West@usace.army.mil.

LNM: 23/16

498 **ALASKA – SOUTHWESTERN – BERING SEA**

NOAA and the Pacific Marine Environmental Laboratory will be deploying two unmanned science vehicles (saildrones) in the Eastern Bering Sea for oceanographic research from June through mid-September, 2016. These saildrones will depart and return to Dutch harbor and travel as far North as 59°30'N. Vessels are requested to maintain a CPA of at least 500 meters. Additional information including a chartlet of the area of operation and a photo depicting one of the saildrones is included as an enclosure to this LNM. Questions/concerns should be directed to Noah Lawrence at (206) 526-6209 or by email to noah.lawrence-slavas@noaa.gov.

LNM: 22/16

499 **ALASKA – BERING SEA – PRIBILOF ISLANDS**

The U.S. Coast Guard Cutter SPAR is conducting a Waterway Analysis and Management Survey (WAMS) of the Pribilof Islands area from 24 MAY – 30 September, 2016. The survey consists of a brief questionnaire regarding transiting St. Paul Island and St. George Island and the use of local aids to navigation. Anyone interested in participating in the WAMS survey is requested to contact Ensign James Bushman at (907) 487-5344 or by email to james.c.bushman@uscg.mil.

LNM: 22/16

501 **ALASKA – SOUTHEAST – GASTINEAU CHANNEL**

Manson Construction Co. has moored the North Berth Concrete Pontoon for the Port of Juneau Cruise Ship Berths project in Gastineau Channel outside of the breakwater just West of Aurora Harbor. The mooring consists of two temporary unlighted mooring buoys. Mooring Buoy "1" will be located in position 58°18'12.85"N, 134°26'9.29"W. Mooring Buoy "2" will be located in position 58°18'16.26"N, 134°26'16.38"W. These buoys were established in May of 2016 and will be removed in October of 2016. The pontoon moored between the buoys has a fixed white light with a 2 NM nominal range at each corner. Questions/concerns should be directed to Erik Dolmseth at (206) 384-3025 or by email to edolmseth@mansonconstruction.com.

LNM: 22/16

504 **ALASKA – SOUTHEASTERN – ALEUTIAN ISLANDS AND UNIMAK PASS**

The U.S. Coast Guard Cutter SPAR is conducting a Waterway Analysis and Management Survey of the Fox Islands area from 20 May-18 July 2016. The survey consists of a brief questionnaire regarding transiting Dutch Harbor, Unalaska, Amaknak, Akutan, Akun, Sanak, Umnak, Unimak Islands or Unimak Pass and the use of local aids to navigation. The WAMs survey is included as an enclosure to this LNM. Questions/concerns should be directed to Ensign Gabriel Patterson at (907) 487-5344 or email at gabriel.o.patterson@uscg.mil.

LNM: 21/16

519 **ALASKA – SOUTHCENTRAL – COOK INLET**

The Furie Energy JULIUS R. gas production platform is located near Middle Ground Shoal in Cook Inlet in position 60°56'10.1620"N, 151°09'31.0270"W. It is a monopod production platform and is manned 24 hours a day and 7 days a week and monitors VHF/FM channel 12. It is currently not charted but chart corrections will be issued as soon as the documentation has been processed. Questions/concerns should be directed to Tom Rueter with Alaska Maritime Agencies at (907) 562-8808 or by email to ncops@alaskamaritime.com.

LNM: 19/16

533 **ALASKA – SOUTHCENTAL – COOK INLET – KNIK ARM**

The Port of Anchorage will temporarily place two Acoustic Doppler Current Profilers on the Knik Arm seafloor in approximate positions 61°14'6"N, 149°53'47"W and 61°14'13"N, 149°53'35"W from late April 2016 to early June 2016. One of the profilers will be located approximately 250 feet from the Petroleum, Oil and Lubricant (POL) #2 Wharf. The profilers will collect current data and support engineering studies and design activities associated with the Anchorage Port Modernization Project. The profilers and associated equipment will be mounted in frames that are approximately 6 feet wide by 6 feet long and 3 feet high. Mariners operating in the vicinity are recommended to transit the area with caution. Questions/concerns should be directed to Mr. Scott Wharton at (907) 644-2046.

LNM: 16/16

538 **ALASKA – ARCTIC**

The U.S. Navy has abandoned an ice camp established to conduct Navy testing, training, and research activities due to unsafe ice conditions. The last known position of the ice camp was 73°18'8"N, 151°55'31"W on April 1, 2016. All personnel and most of the material was safely evacuated, but some material from the camp remained on the ice. The remaining material included items such as tents, cardboard boxes of food, camping style foam mats, sleeping bags, pillows, foldable chairs, tables, some wiring/lighting, and cooking materials. No oil/fuel products, explosives, or hazardous materials were left behind. Questions/concerns should be directed to CDR Deborah Loomis at (757) 836-5956 or by email to Deborah.loomis@navy.mil.

LNM: 15/16

543 **ALASKA – ALASKA - ANCHORAGE**

Kiewit Infrastructure West Co. will be performing pile driving work at the Port of Anchorage Facilities from April 18th through June 30th, 2016. The work will be performed by the Derrick-Barge DB GENERAL and the Material-Barge KIEWIT 204. Pile driving activity will occur at the North end (Terminal 3) and South end (POL 2) of the Port of Anchorage. DB GENERAL will deploy four anchors, each marked by a fixed white light. All barges will have approved lighting in accordance with Coast Guard regulation. DB GENERAL can be hailed on VHF channel 16. Questions/concerns should be directed to Glenn (Ole) Olson at (253) 377-4078.

LNM: 14/16

550 **ALASKA – SOUTHWESTERN – ALEUTIAN ISLANDS – DUTCH HARBOR**

Arch Rock LT 3A has been destroyed and is temporarily discontinued. The temporary lighted green buoy 3A displaying a flashing green 2.5 second light has been relocated to position 53°52'35.048"N, 166°34'02.508"W, 40 yards SW of the previous position of LT 3A. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 11/16

551 **ALASKA – WESTERN – BERING SEA – ST PAUL HARBOR (VILLAGE COVE)**

Kiewit Infrastructure West Co. will be conducting maintenance dredging and harbor improvements for the U.S. Army Corps of Engineers in the St. Paul harbor (Village Cove) from May 1st to August 30th, 2016. This work will typically be performed on a 24 hour basis by the Derrick-Barge DB SEATTLE as well as associated material barges and tug traffic. The dredged material will be offloaded at the St. Paul harbor docks and dumped at an uplands location. The dredge will be monitoring VHF/FM channels 13 and 16. Mariners are requested to transit at their slowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. St. Paul Harbor Jetty Light 3 (LLNR 27831) will be temporarily discontinued and removed during most of the project. Questions/concerns should be directed to Clint Lane, the project manager, at (907) 444-1560.

LNM: 11/16

561 **ALASKA – SOUTHEAST – SOUTHERN CHATHAM STRAIT**

Twenty-four reference moorings will be deployed from approximately March 16th through December 15th, 2016 in the vicinity of Port Walter in Southern Chatham Strait. All moorings will be a minimum of 200 meters apart and at least 50 meters from shore. Additional information including a list of the mooring positions and a chartlet depicting those positions is included as an enclosure to this LNM. Please direct questions/concerns to John Eiler at (907) 789-6033 or by email to john.eiler@noaa.gov.

LNM: 06/16

568 **ALASKA – SOUTHEAST – SECURITY BAY**

An uncharted reef with a depth of 4 feet has been reported in Security Bay in approximate position 56°50.483'N, 134°20.325'W and extending shoreward to the Northeast. Soundings within Security Bay were also reported to be up to two fathoms shallower than the charted depth. Mariners are requested to transit the area with caution and report any charting discrepancies to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 05/16

572 **ALASKA – SOUTHCENTRAL – RESURRECTION BAY – SEWARD**

Hamilton Construction will be conducting dredging and breakwater construction at the Seward Marine Industrial Center Basin on the East shoreline of Resurrection Bay to create a new entry channel into the basin from the North as well as installing associated new navigational aids and marker piles. Work on this project will occur from January 18th, 2016 through April 30th, 2017. The tugs SKOOKUM, COSMIC WIND, and LITTLE TOOT and the barges POINT NO POINT, KVICHAK TRADER and WAYNEHOE will be involved in this project. Work may be conducted seven days a week from 0600 to 2200 local time. Vessels will be monitoring VHF/FM channel 16. Questions/concerns should be directed to Hamilton Construction at (907) 334-3910 or on VHF/FM channel 16.

LNM: 01/16

577 **ALASKA – SOUTHCENTRAL – KODIAK ISLAND**

The Alaska Marine Highway Terminal dock in Kodiak's Near Channel will be rebuilt and expanded with construction scheduled from late October, 2015 to early June, 2016. Construction will occur Monday through Saturday with breaks from November 24th to November 30th, 2015 and December 21, 2015 to January 6th, 2016. Construction will be accomplished with the Derrick Barge LASH-4 and the materials barge EIGLON. Vessels working on this project will be monitoring VHF channels 18 and 77. Questions/concerns should be directed to Andrew Conrad at (215) 285-3134 or Don Newell at (907) 738-8844.

LNM: 48/15

623 **ALASKA – KODIAK – ALITAK BAY**

A deck barge 72 X 25 feet has sunk in 84 feet of water in approximate position 56°53.79'N, 154°22.74'W. Mariners are requested to transit the area with caution. Questions/concerns should be directed to the Coast Guard Sector Anchorage Command Center at (907) 428-4100 or on VHF/FM channel 16.

LNM: 37/15

637 **ALASKA – WESTERN – NOME**

The Army Corps of Engineers (USACE) has discovered a potential obstruction in the outer entrance channel to the Nome Harbor. The obstruction was identified during the 2015 maintenance dredging operations and confirmed by multi-beam sonar equipment during a project condition survey. The approximate center location of the obstruction is 64°29'41.344"N 165°26'11.968"W. The least depth in the vicinity of the obstruction is 20.1 feet below mean lower low water. Mariners should exercise caution while navigating this area and report any strikes to Lucas Stotts, Harbormaster (907) 304-1906. The approximate obstruction location is based on preliminary survey data submitted by eTrac Inc. on 24 August, 2015 to the U.S. Army Corps of Engineers, Alaska District. The approximate dimensions of the obstruction are 7 feet long by 5 feet wide by 2.5 feet tall. USACE will update this notice as soon as additional information becomes available. Questions/concerns should be directed to Michael Teneza, Operations Project Manager (907) 753-2648 or Tom Sloan, Chief Geomatics Section (907) 753-2658.

LNM: 34/15

705 **ALASKA – SOUTHEAST**

The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southeast Alaska. The initial coverage areas are Ketchikan, Juneau and Yakutat. Mariners are reminded to ensure that they have properly connected their GPS units to their DSC equipped marine VHF radios and registered for their Maritime Mobile Service Identity (MMSI) to utilize the DSC distress function. Additional information is available through the Alaska Outdoors Forum at http://forums.outdoorsdirectory.com/showthread.php/142083-Digital-Selective-Calling-(DSC) or by contacting Mike Folkerts with the Coast Guard District 17 Boating Safety Office at (907) 463-2297 or by email to Michael.r.folkerts@uscg.mil.

LNM: 15/15

707 **ALASKA – SOUTHCENTRAL**

The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southcentral Alaska. The initial coverage areas are Upper Cook Inlet, Kodiak and Valdez Arm. Mariners are reminded to ensure that they have properly connected their GPS units to their DSC equipped marine VHF radios and registered for their Maritime Mobile Service Identity (MMSI) to utilize the DSC distress function. Additional information is available through the Alaska Outdoors Forum at http://forums.outdoorsdirectory.com/showthread.php/142083-Digital-Selective-Calling-(DSC) or by contacting Mike Folkerts with the Coast Guard District 17 Boating Safety Office at (907) 463-2297 or by email to Michael.r.folkerts@uscg.mil.

LNM: 15/15

726 **ALASKA – SOUTHEAST – WESTERN BEHM CANAL**

The U.S. Navy has established a temporary data collection buoy in Western Behm canal approximately 5,000 yards North of Betton Island within 400 yards of position 55°35.684'N, 131°46.503'W. The buoy is described as a 3 foot diameter yellow sphere, with the marking "Wave Buoy", with an attached telemetry whip antenna and a night time warning light that flashes 5 times at 1 second intervals with a period of 20 seconds between each series, Fl(5) Y 25s. Questions/concerns should be directed to Mr. Bill Harney at (907) 247-6289.

LNM: 05/15

815 **ALASKA – SOUTHEAST – ICY STRAIT – NORTH INIAN PASSAGE**

The currents in North Inian Passage and Glacier Bay have been observed at up to 3 knots above the NOAA published current predictions. Mariners should exercise caution when transiting the area. Questions/concerns should be directed to LT Tim Smith at (907) 271-3327 or by email to timothy.m.smith@noaa.gov.

LNM: 25/14

816 **ALASKA – SOUTHEAST – DIXON ENTRANCE – FILLMORE INLET**

The chart of Fillmore Inlet on Chart 17437, 10th Edition has been reported to have significant offset and shoreline irregularities. The offset was reported to be as much as 500 yards. Mariners navigating in Fillmore Inlet using chart 17437, 10th Edition or electronic charts derived from chart 17437, 10th Edition should use extreme caution. Questions or concerns should be directed to Todd Buck at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 25/14

872 **ALASKA**

The Alaska Marine Safety Education Association (AMSEA) will be offering AMSEA Marine Safety Instructor Training and AMSEA Drill Conductor Courses in various locations within Alaska. The specific locations, dates, and course information can be found in an enclosure to this LNM. For more information contact AMSEA at (907) 747-3287 or view their website at www.amsea.org.

LNM: 12/14

889 **ALASKA**

U.S. Coast Guard to Test Automatic Identification System (AIS) Aids to Navigation (ATON). In the near future, the U.S. Coast Guard and other authorized agencies and organizations (i.e., U.S. Army Corps of Engineers, Marine Exchange of Alaska) will begin transmitting AIS ATON messages and marine safety information via AIS for testing and evaluation. The exact content, location, and times of these broadcasts will be announced in future Local Notices to Mariners. Additional information is included as an enclosure to this LNM. Questions/concerns should be directed to Todd Buck at the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 05/14

992 **ALASKA – ALEUTIAN ISLANDS – ADAK – SWEEPER COVE**

The East side of the Pier 5 Dock located in Sweeper Cove is closed to moorage without prior approval from the Adak Harbormaster due to loose and missing pilings. Questions/concerns should be directed to Jim Fleming at (907) 277-7527 or the Port of Adak office at (907) 592-0185. The Adak harbormaster can also be contacted on VHF/FM channel 16.

LNM: 20/13

993 **ALASKA – U.S. COAST GUARD MEDIUM FREQUENCY (MF) DISTRESS WATCHKEEPING**

Mariners are advised that calls to the U.S. Coast Guard on the international radiotelephone distress frequency 2182 kHz or the Digital Selective Calling (DSC) frequency 2187.5 kHz may not be heard or may be severely degraded. Instead of using 2182 kHz for distress calls, mariners should use high frequency (HF) radiotelephone or DSC in the 4, 6, 8, and 12 MHz distress or calling bands. Additional information concerning U.S. Coast Guard HF watchkeeping is posted on the U.S. Coast Guard's Navigation Center website (http://www.navcen.uscg.gov/?pageName=cgcommsCall).

LNM: 11/13

995 **ALASKA**

MARINE DEBRIS: With the increase in ocean debris sightings along the coastlines of the Pacific Ocean, mariners are reminded to submit debris sighting reports to the National Oceanic and Atmospheric Administration (NOAA) Marine Debris Program at DisasterDebris@noaa.gov. Questions or concerns may be directed to the Coast Guard District 17 Waterways Management Branch at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 24/12

998 **ALASKA – SUBSURFACE AND SURFACE BUOYS**

Locations of all subsurface and surface oceanographic moorings that have been reported to the U.S. Coast Guard District 17 Waterways Branch are included in an enclosure to the Local Notice to Mariners. The name, type, location, depth, water depth, and a Point of Contact for all data buoys, surface and subsurface, shall be reported as quickly as is practical if they are placed within the navigable waters (within 200 nm) of the United States. Data buoys placed in the Arctic region but outside of 200 nm of the United States may be reported and will be included in this compilation (for informational purposes only). This notification process is for inclusion in the Local Notice to Mariners to provide navigational information to mariners and does not supersede any permission or permitting requirements. Any notifications, corrections, additions, deletions, or comments for the Alaska region (Coast Guard District 17) or the Arctic region should submitted via e-mail to D17-PF-D17-LNM@uscg.mil or to Todd Buck, USCG D17(dpw), at (907) 463-2269 or by email to todd.r.buck@uscg.mil. This compilation is as current as the Local Notice to Mariners (LNM) as included in an enclosure. The referenced LNM may have additional information and indicates the last time an entry was updated.

LNM: 38/11

999 **ALASKA**

RANGE STRUCTURES: The U. S. Coast Guard has become aware that Coast Guard information used to depict a rangeline on NOAA Electronic Navigational Charts (ENC) may not be of sufficient accuracy to accurately portray the rangeline on the ENC. Mariners are cautioned that the position of a rangeline as shown on an ENC may not reflect its true position. If you have questions or concerns please contact Todd Buck at (907) 463-2269 or by email at todd.r.buck@uscg.mil.

LNM: 03/11

ALASKA – BERING SEA – PRIBILOF ISLANDS

Waterway Analysis and Management Survey

LNM: 22/16

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
1187	NOAA Data Lighted Buoy 46078	OFF STA	16580	A193-15	47/15	
22005	Point Davison Light	DAYMK MISSING	17434	J195-15	44/15	
22300	Guard Island Light	LT EXT	17428	J087-16	20/16	
23305.7	Keku Strait Daybeacon 10	MISSING	17368	J148-13	32/13	
23305.9	Keku Strait Daybeacon 13	STRUCT DEST	17368	J103-15	23/15	
23305.95	Keku Strait Buoy 14	MISSING	17372	J032-16	06/16	
23315	Kake Entrance Light 2	STRUCT DEST	17368	J086-15	18/15	
23880	Eldred Rock Light	REDUCED INT	17317	J142-15	32/15	
24060	Kootznahoo Inlet Daybeacon 6	STRUCT DEST	17339	J137-15	31/15	
24210	South Inian Pass Rock Lighted Bell Buoy 6	LT EXT	17302	J068-15	12/15	
24948	Indian River Flats Lighted Buoy 2	LT EXT	17327	J028-16	06/16	
25080	Olga Strait Light 9	STRUCT DMGD	17324	H051-15	08/15	
25355	Dippy Island Rock Daybeacon 3	DAYMK DMGD	17321	J216-15	51/15	
25646	NOAA Data Lighted Buoy 46060	MISSING	16709	A018-16	06/16	
25647	NOAA Data Lighted Buoy 46081	LT EXT	16705	A139-15	34/15	
27270	Bechevin Bay Buoy 4	MISSING	16535	A030-16	07/16	
27290	Bechevin Bay Buoy 8	OFF STA	16535	A137-15	32/15	
27300	Chunak Point Daybeacon 2	DAYMK DMGD	16535	A089-13	15/13	
27545	NOAA Data Lighted Buoy 46071	MISSING	16440		14/15	
27610	Hague Channel Buoy 8	LT EXT	16363	A115-15	28/15	
27857	**Kuskokwim River Buoy 66**	**MISSING**	**16304**	**A101-16**	**24/16**	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
24114	Hawk Inlet Light 6	WATCHING PROPERLY	17312	J092-16	23/16	24/16
24315	Pelican Entrance Light	WATCHING PROPERLY	17303	J095-16	13/16	24/16
26585	Kodiak North Entrance Channel Lighted Buoy 10	WATCHING PROPERLY	16595	A103-16	24/16	24/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
22201	Bar Harbor Breakwater East Light	STRUCT DEST	17430	J202-15	47/15	
22202	Bar Harbor Breakwater Middle Light	STRUCT DEST	17430	J203-15	47/15	
22203	Bar Harbor Breakwater West Light	STRUCT DEST	17430	J204-15	47/15	
23691	Manson Construction Mooring LB A	MISSING	17315		19/16	
23692	Manson Construction Mooring LB B	MISSING	17315		19/16	
23908	Port Chilkoot Mooring Dolphin Lights (2)	LT EXT	17317	J175-14	38/14	
25893	Whittier Passenger Dock Lights (2)	LT EXT	16706	A031-10	20/10	
26361.5	Dillon Oil Platform Light	LT EXT	16662	A034-16	10/16	

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
23800	Gibby Rock Light 2	TRLB	17315	J061-13	13/13	
23920	Indian Rock Light	DISCONTINUED	17317	J163-15	36/15	
27503	Arch Rock Light 3A	DISCONTINUED	16530	A170-15	41/15	
27831	St. Paul Harbor Jetty Light 3	DISCONTINUED FOR DREDGING	16382	A096-16	23/16	

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

None

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
60-56-10.205N	151-09-31.102W	-	RANDOLPH YOST	16663	JACKUP	NEW WELL
60-05-10.200N	149-21-25.800W	-	Spartan Rig 151		JACKUP	UNREPORTED

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)

None

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

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

Proposed Change Notice(s)

None

SECTION VII - GENERAL

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

515 **ALASKA – SOUTHWESTERN – UNALASKA BAY**

Orion Marine Contractors will be conducting dredge work in Unalaska Bay near the City of Unalaska Waste Water Treatment Plant. In-Water work will commence May 23, 2016 and conclude July 15, 2016. There will be a 4 day period from September 15-19, 2016 that will require dive inspection of the dredge area sea floor. The vessels conducting the work will be present and working 24 hours per day during this period. Dredged material will be disposed on a daily basis. The disposal area is located in Unalaska Bay approximately 6 miles north of the dredge area. The vessels operating in the work area will be the barge ROBERT L. WEST (42' X 150' X 15'), barge SPRUCE (58' X 226' X 15') and the tug WENDY O (100' X 32' X 12'). The tug WENDY O and barge SPRUCE will perform the dredged material disposal traversing the 6 mile route from the dredge area to the disposal area while the barge ROBERT L. WEST will remain at the dredge area at all times. Communications with the vessels will be conducted on marine radio VHF/FM Channel 16. Questions/concerns should be directed to Matt Cottingham (907) 561-9811.

LNM: 19/16

524 **ALASKA – BERING SEA – NORTON SOUND – NOME HARBOR and ENTRANCE CHANNEL**

Alaska Marine Excavation, LLC. will be conducting dredging operations in the Nome Inner Harbor commencing at the ice-out, operating 24 hours a day, 7 days a week and concluding by June 25th, 2016. Dredging will continue in the Nome Entrance Channel concluding by July 31st, 2016. The dredge ALASKAN HAWK is a 75' cutter head suction dredge, white and blue in color, with a partially submerged pipeline. The pipeline will be marked where it exits the harbor on the beach and the pipeline's anchors will be marked by buoys. The dredge ALASKAN HAWK and tug OOSIK will be working on VHF/FM channel 79 and monitoring VHF/FM channels 13 and 16. Questions/concerns can also be directed to Brok Shafer with Alaska Marine Excavation, LLC at (907) 399-4549/(907) 435-7920 or by email to brokshafer@gmail.com.

LNM: 18/16

525 **ALASKA – COOK INLET – HOMER HARBOR and COAST GUARD BERTH**

Alaska Marine Excavation, LLC. will be conducting dredging operations in the Homer Harbor Entrance on September 1st, 2016, operating 24 hours a day, 7 days a week and concluding by October 11th, 2016. The dredge COMMANDER is a 50' cutter head suction dredge, red and yellow in color, with a partially submerged pipeline. The pipeline will be marked where it exits the harbor on the beach and the pipeline's anchors will be marked by buoys. The dredge COMMANDER and tug GROWLER will be working on VHF/FM channel 79 and monitoring VHF/FM channels 13 and 16. Questions/concerns can also be directed to Brok Shafer with Alaska Marine Excavation, LLC at (907) 399-4549 or by email to brokshafer@gmail.com.

LNM: 18/16

527 **ALASKA – BRISTOL BAY – NUSHUGAK BAY – DILLINGHAM**

Alaska Marine Excavation, LLC. will be conducting dredging operations in the Dillingham Harbor commencing approximately May 10th, 2016, operating 24 hours a day, 7 days a week and concluding by June 15th, 2016. The dredge ALASKAN EAGLE and the tug LEROY will be working on VHF/FM channel 79 and will be monitoring VHF/FM channels 13 and 16. Dredging will not impair boat traffic, but mariners are requested to use caution, operate at no-wake speeds, and contact the dredge ALASKAN EAGLE for safe passing arrangements when transiting the area. Questions/concerns can also be directed to Brok Shafer at (907) 435-7920 or by email to brokshafer@gmail.com.

LNM: 18/16

547 **ALASKA – SOUTHCENTRAL – PORT OF ANCHORAGE/COOK INLET NAVIGATION CHANNEL**

Manson Construction Company has been contracted by the U.S. Army Corp of Engineers to conduct Hopper and Suction dredging operations in the Port of Anchorage and the Cook Inlet Navigation Channel from March 21st to approximately November 10th, 2016. The dredge WESTPORT and the tug GLADYS M will be monitoring VHF/FM channels 08, 13, 16, and 66 when operating. The dredging location is approximately 61°14.5'N, 149°53.3'W. The disposal location is approximately 61°14.3'N, 149°56.500'W. A temporary mooring buoy has been established in position 61°13.216'N, 149°56.175'W. Questions/concerns should be directed to Bob Richardson at (206) 953-0211.

LNM: 13/16

SECTION VIII - LIGHT LIST CORRECTIONS

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

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

PUBLICATION CORRECTIONS

None

ENCLOSURES

ALASKA

2416 AMSEA.pdf

AMSEA Maritime Training

LNM: 24/16

ALASKA

AIS ATON Announcement.pdf

Information about USCG Test of Automatic Identification System (AIS) Aids to Navigation (ATON).

LNM: 05/14

ALASKA – SOUTHEAST – SOUTHERN CHATHAM STRAIT

0616 NMFS Moorings.pdf

NMFS Reference mooring chartlet

LNM: 06/16

ALASKA – VESSELS TRANSITING THE BERING STRAIT

2416 MSIB 01-16.pdf

Coast Guard District 17 MSIB 01-16

LNM: 24/16

ALASKA – SOUTHEASTERN – ALEUTIAN ISLANDS AND UNIMAK PASS

2116 WAMS Survey.pdf

Waterway Analysis and Management Survey of the Fox Islands

LNM: 21/16

ALASKA – SOUTHWESTERN – BERING SEA

2216 Saildrone.pdf

Saildrone Information

LNM: 22/16

ALASKA – BERING SEA – PRIBILOF ISLANDS

2216 St George Is WAMS Survey.pdf 2216 St Paul Is WAMS Survey.pdf

WAMS of the Pribilof Islands area.

LNM: 22/16

ALASKA

2016 Subsurface Buoys.pdf

Compilation of Subsurface and Surface oceanography moorings properly reported to U.S. Coast Guard District 17.

LNM: 20/16

David M. Seris

Alaska Marine Safety Education Association
2924 Halibut Point Road, Sitka, Alaska 99835-9668
phone 907-747-3287 / fax 907-747-3259 / www.amsea.org

For Immediate Release

Date Issued: June 13, 2016
Kill date: June 24, 2016

AMSEA Workshops of Interest to Mariners in District 17

The Alaska Marine Safety Education Association is offering a number of classes in U.S. Coast Guard District 17 that may be of interest to mariners. Many of these workshops are offered at no cost to commercial fishermen, thanks to support from the U.S. Coast Guard, the National Institute for Occupational Safety and Health, and the Alaska Department of Commerce, Community and Economic Development. For more information or to register for a workshop, call AMSEA at 907-747-3287 or visit our website at www.amsea.org.

Fishing Vessel Drill Conductor Workshops

These workshops give participants hands-on training with emergency equipment that should be onboard any commercial fishing vessel, such as PFDs, life rafts, immersion suits, EPIRBs, fire extinguishers. Participants practice emergency procedures like man overboard, abandon ship, firefighting and flooding control.

The workshops are US Coast Guard-accepted and meet the training requirements for drill conductors on documented commercial fishing vessels operating three or more miles offshore. The workshops are open to all mariners and are recommended for captains and crew serving on any commercial vessel.

START DATE	END DATE	LOCATION	STATE
06/23/2016	06/23/2016	Sitka	AK

Marine Safety Instructor Training

The MSIT is an intensive train-the-trainer course that prepares individuals to effectively teach cold-water survival procedures, use of marine safety equipment, and vessel safety drills. Upon completion of the course, participants will be prepared to teach AMSEA's U.S. Coast Guard accepted Fishing Vessel Drill Conductor training, pending authorization from the Coast Guard.

Topic covered during the course include:

- Preparation for emergencies
- Cold-water near drowning
- Hypothermia
- Cold-water survival
- Survival equipment, procedures & onboard drills
- Risk Assessment
- Ergonomics
- Methods of instructions

START DATE	END DATE	LOCATION	STATE
09/19/2016	09/24/2016	Sitka	AK

Mariner's First Aid & CPR

The Mariner's First Aid & CPR workshop designed to meet the unique needs of commercial fishermen and other mariners. Attendees receive a U.S. Coast Guard accepted two-year certificate issued by the American Safety & Health Institute. The cost for the workshop is $95.00. The topics covered include:

- CPR & automatic external defibrillators (AED)
- Treatment of choking
- Medical emergencies
- Trauma
- Environmental hazards
- Patient assessment
- Medical communications
- Drowning & hypothermia
- Common fishing injuries

START DATE	END DATE	LOCATION	STATE
06/22/2016	06/22/2016	Sitka	AK

U.S. Coast Guard to Test Automatic Identification System (AIS) Aids to Navigation (ATON)

In the near future, the U.S. Coast Guard and other authorized agencies and organizations (i.e., U.S. Army Corps of Engineers, Marine Exchange of Alaska) will begin transmitting AIS ATON messages and marine safety information via AIS for testing and evaluation. The exact content, location, and times of these broadcasts will be announced in future Local Notices to Mariners.

AIS is an internationally adopted radio communication protocol that enables the autonomous and continuous exchange of navigation safety related messages amongst vessels, lifeboats, aircraft, shore stations, and aids to navigation (AIS ATON). AIS ATON stations broadcast their presence, identity (9-digit Marine Mobile Service Identity (MMSI) number), position, and status at least every three minutes or as needed. These broadcasts can originate from an AIS station located on an existing physical aid to navigation (Real AIS ATON) or from another location (i.e., AIS Base Station). An AIS Base Station signal broadcasted to coincide with an existing physical aid to navigation is known as a Synthetic AIS ATON. An electronically charted, but non-existent as a physical aid to navigation, is identified as a Virtual AIS ATON. The latter two can be used to depict an existing aid to navigation that is off station or not watching properly or to convey an aid to navigation that has yet to be charted. All three variants can be received by any existing AIS mobile device, but they would require an external system for their portrayal (i.e., AIS message 21 capable ECDIS, ECS, radar, PC). How they are portrayed currently varies by manufacturer, but the future intention is for the portrayal to be in accordance with forthcoming International Standards (i.e., IEC 62288 (Ed. 2), IHO S-4 (Ed. 4.4.0)).

Mariners capable of receiving and displaying these test AIS messages are encouraged to provide feedback and report any anomalies to the USCG NAVCEN Website: http://www.navcen.uscg.gov | Contact Us Tab | Subject: AIS | Category: AIS Testing.

Example of Local Notice to Mariners Chart Corrections for AIS ATONs

Chart Correction for *Real AIS ATON*

12326 52nd Ed. 01-JUNE-13 Last LNM: 53/13 NAD 83 LNM/14

Chart Title: ***Approaches to New York***

			CGD	
ADD	Magenta circle AIS Chart No. 1: S17.2 to ABC Channel Lighted Whistle Buoy A and		40-27-27.991N	073-50-12.228W
CHANGE	Characteristic to RW "A" Mo (A) WHIS Racon (⁻ ˙) AIS			

Chart Correction for *Synthetic AIS ATON*

18649 68th Ed. 01-JUNE-13 Last LNM: 52/13 NAD 83 LNM/14

Chart Title: ***Entrance to San Francisco Bay***

			CGD	
ADD	Magenta circle AIS Chart No. 1: S17.2 to ABC Approach Lighted Whistle Buoy AB and		37-44-59.749N	122-41-33.940W
CHANGE	Characteristic to RW "AB" Mo (A) WHIS Racon (- -) AIS			

Chart Correction for *Virtual AIS ATON*

12314 33rd Ed. 01-JUNE -12 Last LNM: 51/13 NAD 83 LNM/14

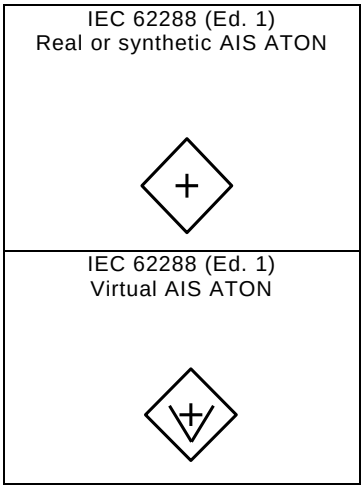
Chart Title: ***Delaware River Philadelphia to Trenton***

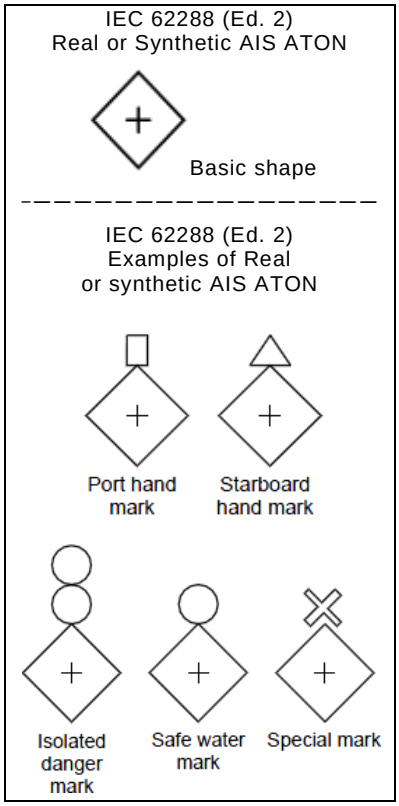
			CGD	
ADD	ABC Railroad Bridge South Starboard V-AIS ATON Chart No. 1: S18.2	to	39-58-55.059N	075-04-06.856W
ADD	ABC Railroad Bridge South Port V-AIS ATON Chart No. 1: S18.2	to	38-58-55.803N	076-23-04.547W

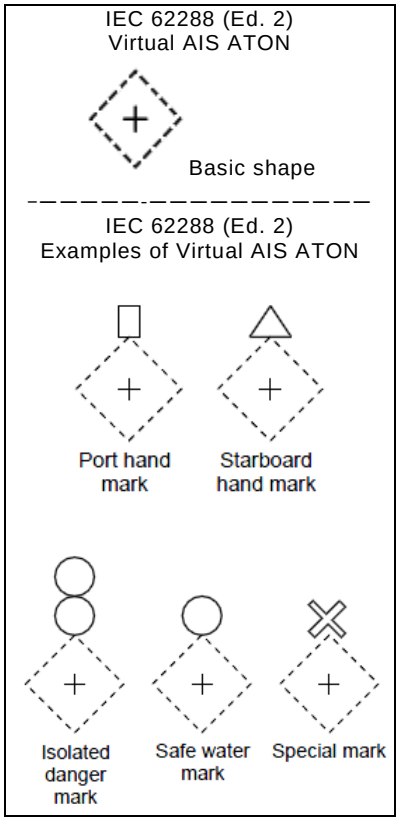
Virtual AIS ATON Symbology for Electronic Chart Display and Information System (ECDIS)

Port Lateral (IALA B)	A Virtual object marking the port side of a channel	
Starboard Lateral (IALA B)	A Virtual object marking the starboard side of a channel	
Isolated Danger	A Virtual object marking an isolated danger	
Safe Water	A Virtual object marking safe water	
Special Purpose	A Virtual object used to mark an area or feature referred to in nautical documents	

AIS ATON Symbology of the International Electrotechnical Commission (IEC) and International Maritime Organization (IM0)



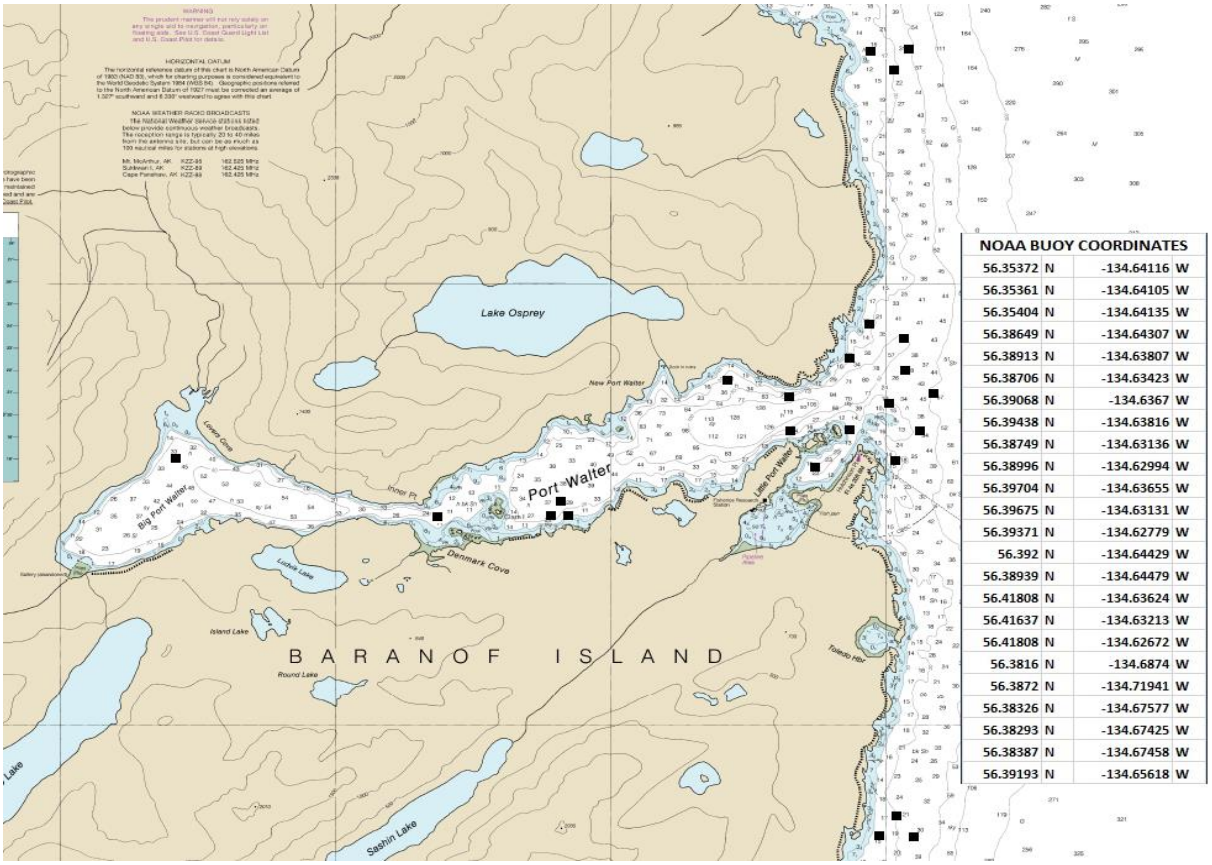




Autonomous Underwater Vehicle and Juvenile Salmon Tracking Project Summary
Reference Mooring Deployment
National Marine Fisheries Service, Auke Bay Laboratories

The National Marine Fisheries Service (NMFS), in partnership with the U.S. Geological Survey and Rutgers University, will be deploying temporary ocean moorings in Southern Chatham Strait near the Little Port Walter Research Station (LPW). The moorings are part of a research effort to assess the use of autonomous underwater vehicles (AUV) for conducting fisheries research and studying the outmigration of juvenile Chinook salmon.

Twenty-four reference moorings will be deployed; three will be placed approximately 3 kilometers north of LPW, three will be placed approximately 3 kilometers south of LPW, and eighteen will be near the mouth and within the Port Walter area. The moorings will have yellow or orange buoys and will be clearly labeled "NOAA RESEARCH". All moorings will be a minimum of 200 meters apart and at least 50 meters from the shore.



NOAA BUOY COORDINATES			
56.35372	N	-134.64116	W
56.35361	N	-134.64105	W
56.35404	N	-134.64135	W
56.38649	N	-134.64307	W
56.38913	N	-134.63807	W
56.38706	N	-134.63423	W
56.39068	N	-134.6367	W
56.39438	N	-134.63816	W
56.38749	N	-134.63136	W
56.38996	N	-134.62994	W
56.39704	N	-134.63655	W
56.39675	N	-134.63131	W
56.39371	N	-134.62779	W
56.392	N	-134.64429	W
56.38939	N	-134.64479	W
56.41808	N	-134.63624	W
56.41637	N	-134.63213	W
56.41808	N	-134.62672	W
56.3816	N	-134.6874	W
56.3872	N	-134.71941	W
56.38326	N	-134.67577	W
56.38293	N	-134.67425	W
56.38387	N	-134.67458	W
56.39193	N	-134.65618	W

The moorings will be deployed between March 16 and March 26, 2016. All equipment associated with the study will be removed completely no later than December 15, 2016.

*****Please contact **John Eiler** by e-mail at john.eiler@noaa.gov, or by telephone at (907)789-6033, if you need additional information regarding this project.*****

U.S. Department of Homeland Security

United States Coast Guard

Commander
Seventeenth District

PO Box 25517
Juneau, AK 99802-5517
Staff Symbol: (dpw)
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Email: David.M.Seris@uscg.mil

5700

MARINE SAFETY INFORMATION BULLETIN 01-16

June 14, 2016

Voyage Planning Notice for Vessels Transiting the Bering Strait

This bulletin is an informational release to mariners planning to transit through the Bering Strait. The U.S. Coast Guard is conducting a Port Access Route Study to determine if ship routing measures are warranted in this region. While this study is still in progress, a number of issues potentially affecting safe navigation and the environment have been identified, including the quality of hydrographic survey information, dense concentrations of threatened or endangered species and marine mammals, and evolving communications protocols in the region. Mariners planning to navigate these remote and ecologically sensitive waters are encouraged to be diligent in voyage planning to avoid problems during the transit.

Hydrographic Survey Information:

Mariners are urged to be mindful of the quality and age of hydrographic survey data on which nautical charts are based and choose their route appropriately. Both paper and electronic charts provide information in their source diagrams about the hydrographic surveys the chart is based upon. Hydrographic survey data for much of the Bering and Chukchi Seas is in excess of 50 years old and may have been obtained with survey techniques that are not as reliable as today's multi-beam sonar. In 2015, a vessel operating in western Alaska struck an uncharted object and sustained significant damage. The accident investigation revealed the location to be approximately 20% shallower than charted depths. Mariners should choose transit routes well clear of shoal water to allow for sufficient under keel clearance, especially if operating in areas where chart source diagrams indicate the chart is not based on a recent hydrographic survey. For additional information on nautical charts and a detailed description of chart source diagrams, refer to the general information section of United States Coast Pilot 9.

The Coast Guard and NOAA have recently surveyed a four nautical mile wide navigation corridor that begins at the Northern terminus of the Unimak Pass Safety Fairway and extends Northward through the Bering Strait. The at-sea survey work was completed in 2015 and preliminary analysis of the hydrographic data has found no dangers to navigation or areas with depths of less than 10 fathoms. The new hydrographic surveys did reveal a number of areas where depths were inconsistent with the charted depths, but none at depths of 10 fathoms or less.

Nautical charts will not reflect these updated survey results until this data has been processed for publication, which may occur as soon as 2017. In the interim, the Coast Guard is making this newly surveyed potential navigation corridor known to the maritime community for their awareness and consideration in voyage planning. Coordinates of the area that has been recently surveyed are provided in enclosure (1).

MARINE SAFETY INFORMATION BULLETIN 01-16

June 14, 2016

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 periods 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 -- 64.296N/-162.112W
Southwest corner -- 64.053N/-162.045W
Northeast corner -- 64.319N/-161.654W
Southeast corner -- 64.076N/-161.591W

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 enclosure (2) comprises the core molting area for spectacled eiders, although mariners may also observe them outside this core area. Questions/concerns should be directed to Ellen Lance at (907) 271-1467 or by email to Ellen_lance@fws.gov.

Chukchi Sea and Bering Strait – Communication Centers:

In past years with high levels of outer continental shelf exploratory drilling activity, Commercial North Slope Communications Center facilities were established in support of 2015 Chukchi Sea and Bering Strait offshore vessel traffic in Alaska. The primary objective of the Communication Center Program was to prevent open water conflicts with subsistence hunters in the Chukchi Sea and Bering Strait. It is not anticipated that the Communications Centers that covered the Bering Strait and Chukchi Sea in Kotzebue, Nome, Wales, Savoonga, Deering, Kivalina, Point Hope, Point Lay, Wainwright, and Barrow will be in operation during the 2016 Navigation Season. Any additional developments in this program will be published through the Seventeenth District's Local Notice to Mariners.

Surface and Subsurface Buoys and moorings in Arctic Waters:

The locations of all subsurface and surface oceanographic moorings that have been reported to the U.S. Coast Guard are included in an enclosure to the weekly Local Notice to Mariners. The name, type, location, depth, water depth, and a Point of Contact for all data buoys, surface and subsurface, should be reported as quickly as is practical if they are placed within 200 nautical miles of the United States. Data buoys placed in the Arctic region but outside of 200 nm of the United States may also be reported and will be included in this compilation for informational purposes only. Any notifications, corrections, additions, or deletions should be submitted via e-mail to D17-PF-D17-LNM@uscg.mil.

MARINE SAFETY INFORMATION BULLETIN 01-16

June 14, 2016

Chukchi Sea Point Lay Walrus Concentrations:

The U.S. Fish and Wildlife Service would like to notify mariners that due to low seasonal ice conditions over recent years there have been large groups of walruses hauled out on the barrier islands near the community of Point Lay once the area is ice free. In 2015 the haul-out was just north of the old village site. Large concentrations of walruses can be expected to be encountered in the near shore waters. In addition, large groups of walruses may also be encountered in the water as they move from Point Lay to the Hanna Shoal area to feed. To prevent disturbance to this large concentration of walruses, the U.S. Fish and Wildlife Service requests that all marine vessels transiting the area remain a minimum of 5 miles offshore. Walruses usually continue to use the Point Lay haul-out through the month of September and into mid-October. Barges or other vessels servicing Point Lay are requested to maintain a one mile buffer from walruses hauled out on shore. Vessels traveling in a predictable manner appear to be less disturbing to walruses. If you observe walruses in the water, near your vessel, avoid excessive speed or sudden changes in speed or direction. Vessel operators should take every precaution to avoid harassment of walruses when a vessel is operating near these animals. Vessels should also reduce speed and maintain a minimum half mile distance from the vessel to groups of walruses encountered in the water. Also, vessels should not be operated in such a way as to separate members of a group of walruses from other members of the group. Pacific walruses are protected under the Marine Mammal Protection Act (MMPA) and harassment or disturbance is illegal. Questions/concerns should be directed to the U.S. Fish and Wildlife Service, Marine Mammals Management toll free at 1-800-362-514. To report instances of disturbance or harassment contact the U.S. Fish and Wildlife Service, Office of Law Enforcement toll free at 1-877-535-1795 or 1-800-858-7621.

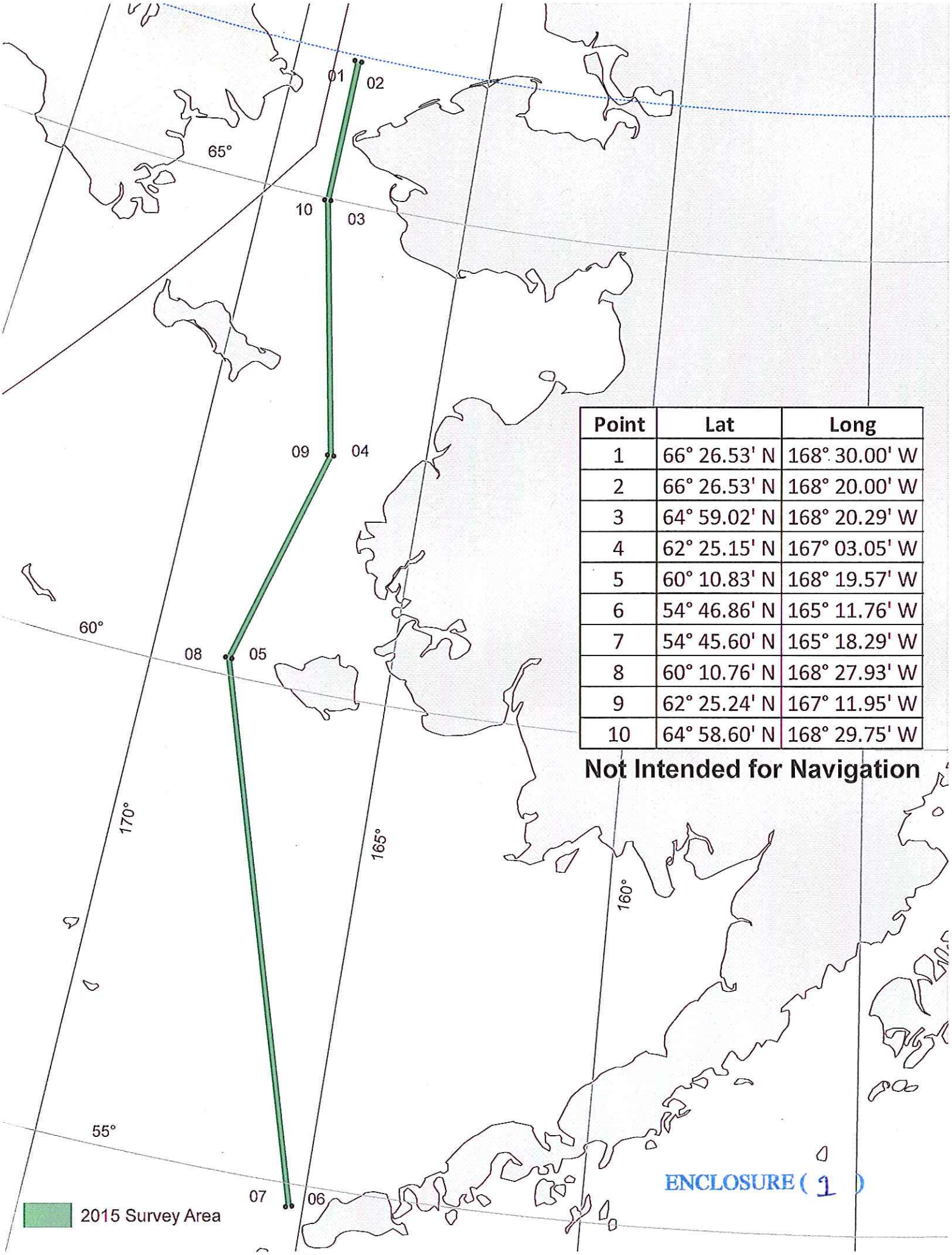
Arctic Waterways Safety Committee (AWSC):

The Arctic Waterway Safety Committee was established in October 2014 as a self-governing multi-stakeholder group focused on creating and documenting best practices to ensure a safe, efficient, and predictable operating environment for all arctic waterway users. The committee is composed of a wide array of arctic maritime users and stakeholders that fall under three broad categories: Subsistence Hunters, Industry, and Other representatives. Each category has five seats, each with a vote in decisions made by the Committee.

The AWSC is currently developing an Arctic Waterways Safety Plan which is intended to be a compilation of best practices for vessel operations. The USCG encourages vessel operators with experience working in the Arctic to be a part of this process. Additional information can be found on the AWSC website, http://www.arcticwaterways.org/.

D.B. ABEL
Rear Admiral, U.S. Coast Guard
Commander, Seventeenth Coast Guard District

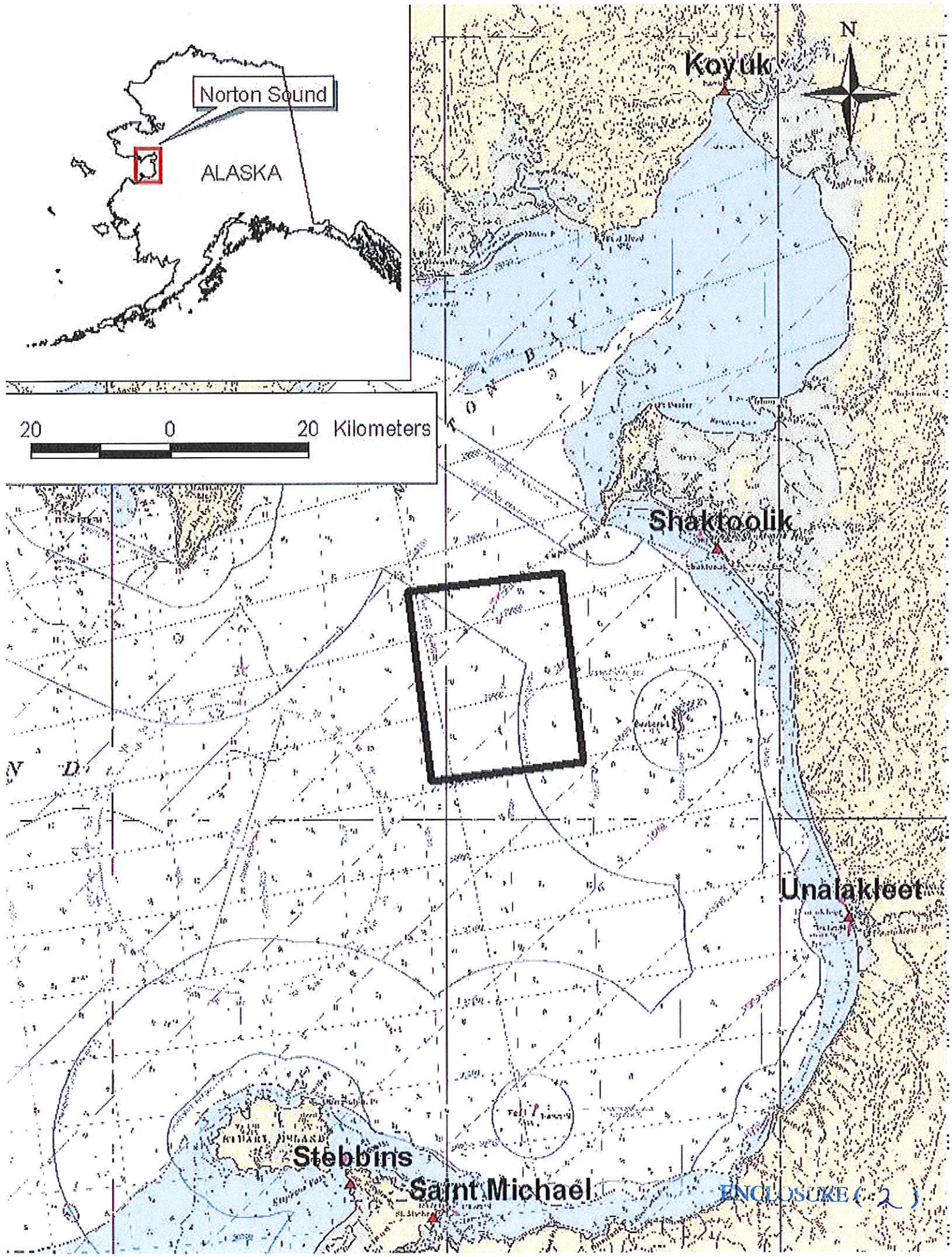
Encl: (1) Hydrographic Survey Coordinates.
(2) Map of Spectacled Eider Core Molting Area in Norton Sound.



Point	Lat	Long
1	66° 26.53' N	168° 30.00' W
2	66° 26.53' N	168° 20.00' W
3	64° 59.02' N	168° 20.29' W
4	62° 25.15' N	167° 03.05' W
5	60° 10.83' N	168° 19.57' W
6	54° 46.86' N	165° 11.76' W
7	54° 45.60' N	165° 18.29' W
8	60° 10.76' N	168° 27.93' W
9	62° 25.24' N	167° 11.95' W
10	64° 58.60' N	168° 29.75' W

Not Intended for Navigation

ENCLOSURE (1)


Norton Sound
ALASKA
N
Koyuk
20 0 20 Kilometers
Shaktoolik
Unalakleet
Stebbins
Saint Michael

ENCLOSURE (2)

WATERWAYS ANALYSIS AND MANAGEMENT SYSTEM (WAMS) SURVEY FOR

FOX ISLANDS

The U.S. Coast Guard is conducting a review of aids to navigation (ATON), federal publications, and nautical charts for the Fox Islands. Your answers to the following questions, and any additional comments you may provide, will help us determine the adequacy of the present waterway. Please answer the following questions as completely as you can.

PERSONAL INFORMATION

Name: Address:

Organization:

Phone: Email:

VESSEL DATA

Vessel Name/#: Length:

Draft: Type:

Cargo: Years of Experience in Area:

OPERATING INFORMATION

When do you transit this waterway? (Check all that apply)

☐ DAYTIME ☐ NIGHT TIME ☐ HIGH TIDE ☐ LOW TIDE ☐ SUMMER

☐ WINTER ☐ SPRING ☐ FALL ☐ IN ICE ☐ RESTRICTED VISIBILITY

☐ ALL CONDITIONS

What publications do you use when transiting this waterway? (Check all that apply)

☐ COAST PILOT 9 ☐ LIGHT LIST ☐ LOCAL NOTICE TO MARINERS

☐ TIDE & CURRENT TABLES ☐ BROADCAST NOTICE TO MARINERS

☐ OTHER (PLEASE LIST _____)

What methods and tools do you use for navigation in this waterway? (Check all that apply)

☐ PAPER CHARTS ☐ GYRO ☐ RADAR

☐ RADIOBEACONS ☐ SATNAV ☐ GPS/DGPS

☐ MAGNETIC COMPASS ☐ SEARCH LIGHT ☐ FATHOMETER

☐ ELECTRONIC CHARTS

☐ OTHER (PLEASE LIST _____)

AIDS TO NAVIGATION USAGE

Please rate the following aids to navigation: 1 (Don't use) to 5 (Critical to my operation).

Fox Islands

Light List Number/Name of Aid	Don't use		Somewhat		Critical
	1	**2**	**3**	**4**	**5**
27427 AKUTAN SMALL BOAT HARBOR LIGHT 1	☐	☐	☐	☐	☐
27428 AKUTAN SMALL BOAT HARBOR LIGHT 2	☐	☐	☐	☐	☐
27430 AKUTAN HARBOR	☐	☐	☐	☐	☐
27435 AKUN STRAIT LIGHT	☐	☐	☐	☐	☐

27440 AKUTAN POINT LIGHT 2	☐	☐	☐	☐	☐
27444 AKUTAN BAY LIGHTED MOORING BUOY	☐	☐	☐	☐	☐
27450 ULAKTA HEAD LIGHT	☐	☐	☐	☐	☐
27455 ILIUK BAY ENTRANCE LIGHTED BELL BUOY 2	☐	☐	☐	☐	☐
27460 SPITHEAD LIGHT	☐	☐	☐	☐	☐
27465 ROCKY POINT SHOAL LIGHTED BUOY RP	☐	☐	☐	☐	☐
27466 ILIULIUK BAY LIGHTED BUOY 4	☐	☐	☐	☐	☐
27467 APL DOLPHIN LIGHTS	☐	☐	☐	☐	☐
27468 APL SHOAL LIGHTED BUOY	☐	☐	☐	☐	☐
27470 UNALASKA CHANNEL LIGHTED BUOY 5	☐	☐	☐	☐	☐
27475 ILIULIUK REEF LIGHTED BUOY 6	☐	☐	☐	☐	☐
27480 ILIULIUK HARBOR ENTRANCE BUOY 8	☐	☐	☐	☐	☐
27485 SOUTH CHANNEL DAYBEACON 10	☐	☐	☐	☐	☐
27490 SOUTH CHANNEL DAYBEACON 11	☐	☐	☐	☐	☐
27495 SOUTH CHANNEL DAYBEACON 12	☐	☐	☐	☐	☐
27500 SOUTH CHANNEL DAYBEACON 13	☐	☐	☐	☐	☐
27500.1 CARL E. MOSES HARBOR LIGHT A	☐	☐	☐	☐	☐
27500.2 CARL E. MOSES HARBOR LIGHT B	☐	☐	☐	☐	☐
27500.3 CARL E. MOSES HARBOR LIGHT C	☐	☐	☐	☐	☐
27500.4 CARL E. MOSES HARBOR LIGHT D	☐	☐	☐	☐	☐
27500.5 CARL E. MOSES HARBOR LIGHT 1	☐	☐	☐	☐	☐
27500.75 EIDER POINT LIGHTED BUOY EP	☐	☐	☐	☐	☐
27501 HOG ISLAND LIGHTED BUOY HI	☐	☐	☐	☐	☐

Light List Number/Name of Aid	Don't use		Somewhat		Critical
	1	**2**	**3**	**4**	**5**
27502 HOG ISLAND LIGHTED BUOY 3	☐	☐	☐	☐	☐
27503 ARCH ROCK LIGHT 3A	☐	☐	☐	☐	☐
27504 SOUTH AMAKNAK ROCKS LIGHTED BUOY "5"	☐	☐	☐	☐	☐
27505 BAILEY LEDGE LIGHT	☐	☐	☐	☐	☐
27508 SWALLOW REEF LIGHTED BUOY 6	☐	☐	☐	☐	☐

Are there any aids to navigation in this area that you feel are not needed? If so, please explain why.

Would you prefer if the characteristics of any of these aids to navigation were changed? For example, should any of the daybeacons or buoys have a light added to them? If so, please explain why.

Are there any areas in this region that may need new aids to navigation established? If so, please explain why.

What is the most difficult or dangerous part of this waterway?

Have you noticed any errors with charts or publications in this area?

Are there any other general concerns that you have about the waterway? If so, please explain why.

Please return this survey to the address or email below by June 20, 2016. Thank you for your comments and interest in this important study. If you have any questions or specific concerns, please contact Ensign Gabriel Patterson at (907) 487-5344, or e-mail gabriel.o.patterson@uscg.mil.

USCGC SPAR (WLB 206)
Attn: ENS Patterson
190651 Chiniak Highway
Kodiak, AK 99619

Please use the space below for additional comments.

NOTICE FOR SEAFARERS of OCEANOGRAPHIC RESEARCH EQUIPMENT IN WATER

EASTERN BERING SEA Dutch Harbor, AK – St. Matthew Island June - September 2016

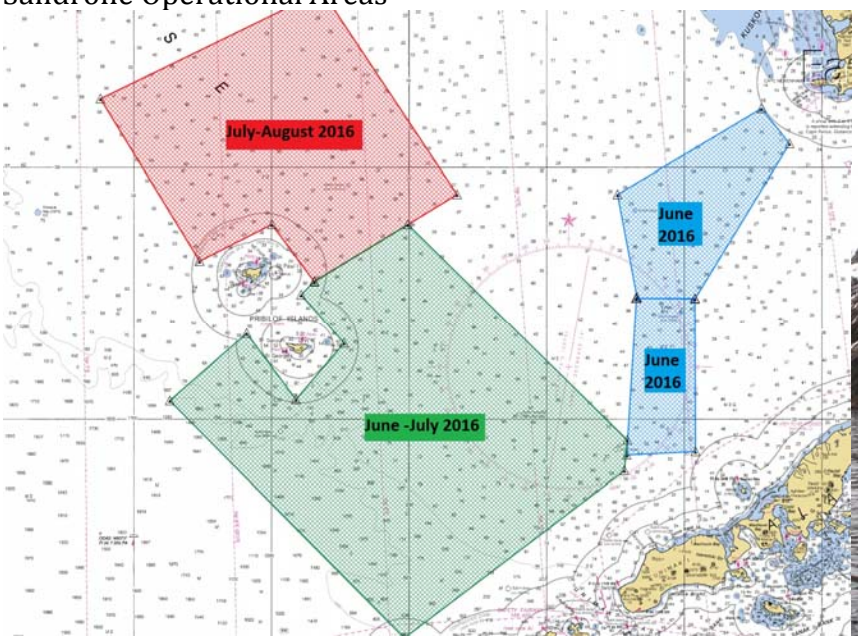
NOAA/PMEL & UW/JISAO will have two Unmanned Science Vehicles deployed in the Eastern Bering Sea for oceanographic research from June – mid September 2016. These will depart and return to Dutch Harbor, and travel as far north as 59.5N.

VESSELS ARE REQUESTED TO TRANSIT THE AREA WITH CAUTION, AND REMAIN GREATER THAN 500 METERS AWAY FROM THE RESEARCH EQUIPMENT.

The **Saildrones** are wind powered unmanned vehicles controlled from shore through satellite communications and carry important oceanographic research instrumentation.

- Color: Orange
- Light: single red, green and white at top of sail
- Radar Reflector: none
- Distinguishing Marks/Notation: "Saildrone"
- Length: 19 ft
- Width: 7 ft
- Height: 20 ft above water line
- Draft: 6 ft
- **Average speed: 2-4 knots**
- Maximum speed: 8 knots

Saildrone Operational Areas



http://www.pmel.noaa.gov/itae/team-saildrone-2016

CONTACT
Pacific Marine Environmental Laboratory
NOAA/PMEL 7600 Sand Point Way NE Seattle, WA 98115 Phone: (206) 526-6810 Email: pmel.info@noaa.gov

WATERWAYS ANALYSIS AND MANAGEMENT SYSTEM (WAMS) SURVEY FOR

St George Island

The U.S. Coast Guard is conducting a review of aids to navigation (ATON), federal publications, and nautical charts for St George Island. Your answers to the following questions, and any additional comments you may provide, will help us determine the adequacy of the present waterway. Please answer the following questions as completely as you can.

PERSONAL INFORMATION

Name: Address:

Organization:

Phone: Email:

VESSEL DATA

Vessel Name/#: Length:

Draft: Type:

Cargo: Years of Experience in Area:

OPERATING INFORMATION

When do you transit this waterway? (Check all that apply)

☐ DAYTIME ☐ NIGHT TIME ☐ HIGH TIDE ☐ LOW TIDE ☐ SUMMER

☐ WINTER ☐ SPRING ☐ FALL ☐ IN ICE ☐ RESTRICTED VISIBILITY

☐ ALL CONDITIONS

What publications do you use when transiting this waterway? (Check all that apply)

☐ COAST PILOT 9 ☐ LIGHT LIST ☐ LOCAL NOTICE TO MARINERS

☐ TIDE & CURRENT TABLES ☐ BROADCAST NOTICE TO MARINERS

☐ OTHER (PLEASE LIST _____)

What methods and tools do you use for navigation in this waterway? (Check all that apply)

☐ PAPER CHARTS ☐ GYRO ☐ RADAR

☐ GPS/DGPS ☐ MAGNETIC COMPASS ☐ SEARCH LIGHT

☐ FATHOMETER ☐ ELECTRONIC CHARTS

☐ OTHER (PLEASE LIST _____)

AIDS TO NAVIGATION USAGE

Please rate the following aids to navigation: 1 (Don't use) to 5 (Critical to my operation).

St Paul Island

Light List Number/Name of Aid	Don't use		Somewhat		Critical
	1	**2**	**3**	**4**	**5**
27825 St. George Harbor Range Front Light	☐	☐	☐	☐	☐
27826 St. George Harbor Range Rear Light	☐	☐	☐	☐	☐
27827 St. George Harbor Entrance Light 1	☐	☐	☐	☐	☐
27828 St. George Harbor Daybeacon 2	☐	☐	☐	☐	☐

Are there any aids to navigation in this area that you feel are not needed? If so, please explain why.

Would you prefer if the characteristics of any of these aids to navigation were changed? For example, should any of the daybeacons or buoys have a light added to them? If so, please explain why.

Are there any areas in this region that may need new aids to navigation established? If so, please explain why.

What is the most difficult or dangerous part of this waterway?

Have you noticed any errors with charts or publications in this area?

Are there any other general concerns that you have about the waterway? If so, please explain why.

Please return this survey to the address or email below by September 30, 2016. Thank you for your comments and interest in this important study. If you have any questions or specific concerns, please contact Ensign James Bushman at (907) 487-5344, or e-mail James.C.Bushman@uscg.mil.

USCGC SPAR (WLB 206)
Attn: ENS Bushman, James C.
190651 Chiniak Highway
Kodiak, AK 99619

Please use the space below for additional comments.

WATERWAYS ANALYSIS AND MANAGEMENT SYSTEM (WAMS) SURVEY FOR

St Paul Island

The U.S. Coast Guard is conducting a review of aids to navigation (ATON), federal publications, and nautical charts for St Paul Island. Your answers to the following questions, and any additional comments you may provide, will help us determine the adequacy of the present waterway. Please answer the following questions as completely as you can.

PERSONAL INFORMATION

Name: Address:

Organization:

Phone: Email:

VESSEL DATA

Vessel Name/#: Length:

Draft: Type:

Cargo: Years of Experience in Area:

OPERATING INFORMATION

When do you transit this waterway? (Check all that apply)

☐ DAYTIME ☐ NIGHT TIME ☐ HIGH TIDE ☐ LOW TIDE ☐ SUMMER

☐ WINTER ☐ SPRING ☐ FALL ☐ IN ICE ☐ RESTRICTED VISIBILITY

☐ ALL CONDITIONS

What publications do you use when transiting this waterway? (Check all that apply)

☐ COAST PILOT 9 ☐ LIGHT LIST ☐ LOCAL NOTICE TO MARINERS

☐ TIDE & CURRENT TABLES ☐ BROADCAST NOTICE TO MARINERS

☐ OTHER (PLEASE LIST _____)

What methods and tools do you use for navigation in this waterway? (Check all that apply)

☐ PAPER CHARTS ☐ GYRO ☐ RADAR

☐ GPS/DGPS ☐ MAGNETIC COMPASS ☐ SEARCH LIGHT

☐ FATHOMETER ☐ ELECTRONIC CHARTS

☐ OTHER (PLEASE LIST _____)

AIDS TO NAVIGATION USAGE

Please rate the following aids to navigation: 1 (Don't use) to 5 (Critical to my operation).

St Paul Island

Light List Number/Name of Aid		Don't use		Somewhat		Critical
		1	**2**	**3**	**4**	**5**
27830	St Paul Harbor Jetty Light 4	☐	☐	☐	☐	☐
27831	St Paul Harbor Jetty Light 3	☐	☐	☐	☐	☐
27832	St Paul Harbor Jetty Light 6	☐	☐	☐	☐	☐
27833	St Paul Harbor Daybeacon A	☐	☐	☐	☐	☐

Light List Number/Name of Aid	Don't use		Somewhat		Critical
	1	**2**	**3**	**4**	**5**
27834 St Paul Harbor Daybeacon B	☐	☐	☐	☐	☐

Are there any aids to navigation in this area that you feel are not needed? If so, please explain why.

Would you prefer if the characteristics of any of these aids to navigation were changed? For example, should any of the daybeacons or buoys have a light added to them? If so, please explain why.

Are there any areas in this region that may need new aids to navigation established? If so, please explain why.

What is the most difficult or dangerous part of this waterway?

Have you noticed any errors with charts or publications in this area?

Are there any other general concerns that you have about the waterway? If so, please explain why.

Please return this survey to the address or email below by September 30, 2016. Thank you for your comments and interest in this important study. If you have any questions or specific concerns, please contact Ensign James Bushman at (907) 487-5344, or e-mail James.C.Bushman@uscg.mil.

USCGC SPAR (WLB 206)
Attn: ENS Bushman, James C.
190651 Chiniak Highway
Kodiak, AK 99619

Please use the space below for additional comments.

This is the current compilation of all subsurface and surface oceanographic moorings that have been reported to the U.S. Coast Guard District 17 Waterways Branch. The name, type, location, depth, water depth, and a Point of Contact for all data buoys, surface and subsurface, shall be reported as quickly as is practical if they are placed within the navigable waters (within 200 nm) of the United States. Data buoys placed in the Arctic region but outside of 200 nm of the United States may be reported and will be included in this compilation (for informational purposes only). This notification process is for inclusion in the Local Notice to Mariners to provide navigational information to mariners and does not supersede any permission or permitting requirements. Any notifications, corrections, additions, deletions, or comments for the Alaska region (Coast Guard District 17) or the Arctic region should be submitted via e-mail to D17-PF-D17-LNM@uscg.mil or to Todd Buck, USCG D17(dpw), at (907) 463-2269 or by email to todd.r.buck@uscg.mil. This compilation is as current as the Local Notice to Mariners (LNM) included in as an enclosure. The referenced LNM may have additional information and indicates the last time an entry was updated.

ALASKA – ARCTIC OCEAN

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
N/A	72°27.655’N, 157°23.774’W	780 feet	731 feet	39/10	Ethan Roth ehroth@ucsd.edu
N/A	72° 47.939’N, 158°23.941’W	1,066 feet	1,017 feet	39/10	Ethan Roth ehroth@ucsd.edu
N/A	72˚07.275’N, 160”29.698’W	131 feet	115 feet	35/12	Thomas Weingartner (907) 474-7993
N/A	72˚09.747’N, 159˚07.349’W	167 feet	85 feet	35/12	Thomas Weingartner (907) 474-7993
N/A	72˚10.875’N, 159˚33.117’W	184 feet	95 feet	35/12	Thomas Weingartner (907) 474-7993
N/A	72˚41.745’N, 164˚31.935’W	N/A	151 feet	35/12	N/A
N/A	72˚31.517’N, 164˚05.944’W	N/A	164 feet	35/12	N/A
N/A	72˚16.850’N, 163˚32.034’W	N/A	131 feet	35/12	N/A
14CKT-7A	72˚25.259’N, 161˚37.835’W	141 feet	115 feet	42/14	David Strousz (206) 526-4510
14CKP-7A	72˚25.475’N, 161˚37.240’W	141 feet	115 feet	42/14	David Strousz (206) 526-4510
14CKIP-8A	72˚35.180’N, 161˚12.890’W	151 feet	115 feet	42/14	David Strousz (206) 526-4510
14CKT-8A	72˚34.980’N, 161˚13.560’W	151 feet	115 feet	42/14	David Strousz (206) 526-4510
14CKP-8A	72˚34.980’N, 161˚12.310’W	151 feet	115 feet	42/14	David Strousz (206) 526-4510
14CKP-9A	72˚27.473’N, 156˚33.922’W	3,110 feet	1,148 feet	42/14	David Strousz (206) 526-4510
CX14_AU_HS2	72°34.803'N, 161°13.075'W	177 feet	148 feet	48/14	Catherine Berchok (206) 526-6331
CX14_AU_HS1	72°25.676'N, 161°37.726'W	138 feet	109 feet	48/14	Catherine Berchok (206) 526-6331
AIM15-1	75˚05.295’N, 168˚01.326’W	138 feet	138 feet	40/15	Dr. Humfrey Melling (250) 363-6552
NRS01	72°26.582'N, 156°33.101'W	3,281 feet	1,640 feet	40/15	Catherine Berchok (206) 526-6331
NBC-15t	72˚18.141’N, 155˚24.388’W	561 feet	137 feet	41/15	Takashi Kikuchi +81-46-867-9486
NHC-15t	73˚18.141’N, 160˚46.922’W	1,396 feet	171 feet	41/15	Takashi Kikuchi +81-46-867-9486
HARP C2	72° 48.154’N, 158°25.384’W	1,062 feet	979 feet	48/15	Josh Jones (858) 822-1836
HARP D	72° 36.925’N, 158°42.177’W	323 feet	237 feet	48/15	Josh Jones (858) 822-1836

CANADA – BEAUFORT SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
CB15	70˚33.775’N, 127˚41.714’W	112 feet	112 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-1a	70˚20.035’N, 133˚44.459’W	169 feet	169 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-1b	70˚20.029’N, 133˚44.371’W	170 feet	170 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-2	70˚59.361’N, 133˚44.627’W	143 feet	143 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-20	71˚00.999’N, 133˚48.506’W	248 feet	248 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-9a	70˚03.537’N, 133˚42.922’W	106 feet	106 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-9b	70˚03.501’N, 133˚42.941’W	104 feet	104 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-11	69˚46.482’N, 137˚02.773’W	106 feet	106 feet	40/15	Dr. Humfrey Melling (250) 363-6552
HI15	69˚39.289’N, 138˚55.270’W	125 feet	125 feet	40/15	Dr. Humfrey Melling (250) 363-6552
iBO15-BR1	70˚25.944’N, 139˚01.235’W	196 feet	196 feet	40/15	Dr. Humfrey Melling (250) 363-6552

ALASKA – BEAUFORT SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
N/A	71˚35.980’N, 161˚30.3221’W	151 feet	111 feet	48/14	David Leech (907) 224-4319
AON-BS3	71˚23.659’N, 152˚03.046’W	482 feet	115 feet	49/14	Dr. Robert Pickart (508) 289-2858
AW15-AU-BF1	71°33.138'N, 155°31.983'W	226 feet	197 feet	40/15	Catherine Berchok (206) 526-6331
AW15-AU-BF2	71°44.986'N, 154°27.741'W	259 feet	230 feet	40/15	Catherine Berchok (206) 526-6331
AW15-AU-BF3	71°41.185'N, 153°10.664'W	335 feet	306 feet	40/15	Catherine Berchok (206) 526-6331
BCE-15	71˚40.360’N, 154˚59.770’W	351 feet	131 feet	41/15	Takashi Kikuchi +81-46-867-9486
BCC-15	71˚44.020’N, 155˚09.500’W	935 feet	141 feet	41/15	Takashi Kikuchi +81-46-867-9486
BCW-15	71˚47.750’N, 155˚20.810’W	561 feet	137 feet	41/15	Takashi Kikuchi +81-46-867-9486

ALASKA – CHUKCHI SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
WHOI-AB	70˚59.954’N, 163˚40.561’W	138 feet	Surface	38/12	Kristopher Newhall (508) 989-5982
SCH-14 (DBO-3)	68˚01.996’N, 168˚50.039’W	197 feet	147 feet	39/14	Takashi Kikuchi +81-46-867-9486
CX14_AU_WT2	71°46.900'N, 161°51.503'W	138 feet	109 feet	48/14	Catherine Berchok (206) 526-6331
AW14_AU_KZ1	67°07.413'N, 168°36.266'W	167 feet	138 feet	48/14	Catherine Berchok (206) 526-6331
AW14_AU_NM1	64°50.918'N, 168°23.404'W	157 feet	128 feet	48/14	Catherine Berchok (206) 526-6331
AW14_AU_PH1	67°54.476'N, 168°12.130'W	223 feet	194 feet	48/14	Catherine Berchok (206) 526-6331
E. Barrow Canyon	71˚22.569’N, 156˚53.710’W	236 feet	226 feet	49/14	Steve Okkonen (907) 283-3234

ALASKA – CHUKCHI SEA (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
MARU-14-A	71˚00.0226’N, 163˚40.9225’W	135 feet	126 feet	50/14	Frederick Channel (607) 254-2476
MARU-14-B	71˚00.0029’N, 163˚40.1865’W	135 feet	126 feet	50/14	Frederick Channel (607) 254-2476
Unnamed	71˚14.459’N, 164˚18.067’W	138 feet	Surface	28/15	Noah Lawrence (206) 526-6209
15CKIP-2A	71˚13.829’N, 164˚12.609’W	138 feet	112 feet	37/15	David Strousz (206) 526-4510
15CKP-2A	71˚13.845’N, 164˚12.953’W	138 feet	115 feet	37/15	David Strousz (206) 526-4510
15CKIP-4A	71˚02.871’N, 160˚30.693’W	164 feet	141 feet	37/15	David Strousz (206) 526-4510
15CKP-4A	71˚02.785’N, 160˚30.892’W	164 feet	138 feet	37/15	David Strousz (206) 526-4510
15CKIP-1A	70˚50.139’N, 163˚07.431’W	138 feet	115 feet	38/15	David Strousz (206) 526-4510
15CKP-1A	70˚50.310’N, 163˚06.321’W	138 feet	115 feet	38/15	David Strousz (206) 526-4510
15CKT-2A	71˚13.808’N, 164˚13.237’W	138 feet	115 feet	38/15	David Strousz (206) 526-4510
15CKP-9A	72˚28.011’N 156˚32.977’W	3,281 feet	1,312 feet	38/15	David Strousz (206) 526-4510
ASL15-S5a	70˚54.999’N, 161˚29.978’W	125 feet	125 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-S5b	70˚55.072’N, 161˚29.873’W	125 feet	125 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL14-S7b	70˚47.031’N, 159˚54.006’W	83 feet	83 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL14-S7p	70˚47.009’N, 159˚54.138’W	81 feet	81 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-S8a	71˚16.468’N, 161˚33.773’W	145 feet	145 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-S8b	71˚16.603’N, 161˚33.645’W	144 feet	144 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-BUa	71˚14.422’N, 163˚16.621’W	131 feet	131 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-BUb	71˚14.366’N, 163˚16.816’W	130 feet	130 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL14-CJa	71˚10.189’N, 166˚44.912’W	131 feet	131 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL14-CJb	71˚10.219’N, 166˚45.000’W	131 feet	131 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-CJa	71˚10.142’N, 166˚44.900’W	134 feet	134 feet	40/15	Dr. Humfrey Melling (250) 363-6552
ASL15-CJb	71˚10.163’N, 166˚45.107’W	129 feet	129 feet	40/15	Dr. Humfrey Melling (250) 363-6552
AW15_AU_CL1	69°19.042'N, 167°37.372'W	161 feet	132 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_IC1	70°50.132'N, 163°06.552'W	138 feet	109 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_PB1	71°12.377'N, 158°00.926'W	151 feet	122 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_WT1	71°02.818'N, 160°30.155'W	161 feet	132 feet	40/15	Catherine Berchok (206) 526-6331
CX15_AU_IC2	71°13.762'N, 164°13.573'W	135 feet	106 feet	40/15	Catherine Berchok (206) 526-6331
CX15_AU_IC3	71°49.769'N, 166°04.624'W	141 feet	112 feet	40/15	Catherine Berchok (206) 526-6331
2015MARU_1	71˚17.936’N, 163˚16.631’W	141 feet	137 feet	40/15	Catherine Berchok (206) 526-6331
2015MARU_2	71˚29.792’N, 163˚11.449’W	144 feet	140 feet	40/15	Catherine Berchok (206) 526-6331

ALASKA – KOTZEBUE SOUND

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
OTZ-N	67°6.791'N, 163°46.328'W	37 feet	27 feet	48/14	Dr. Manuel Castellote (206) 526-6866
OTZ-M	67°5.148'N, 163°48.282'W	58 feet	48 feet	48/14	Dr. Manuel Castellote (206) 526-6866
OTZ-S	67°3.365'N, 163°48.699'W	60 feet	50 feet	48/14	Dr. Manuel Castellote (206) 526-6866
OTZ-Ch	66°14.346'N, 166°51.926'W	51 feet	41 feet	48/14	Dr. Manuel Castellote (206) 526-6866

ALASKA – BERING STRAIT

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
N/A	65˚00.060’N, 168˚49.170’W	167 feet	Surface	29/11	Donald Gibson (250) 920-9142
A2-15	65˚46.860’N, 168˚34.080’W	184 feet	49 feet	27/15	Rebecca Woodgate (206) 221-3268
A3-15	66˚19.600’N, 168˚57.040’W	190 feet	49 feet	27/15	Rebecca Woodgate (206) 221-3268
A4-15	65˚44.760’N, 168˚15.770’W	161 feet	49 feet	27/15	Rebecca Woodgate (206) 221-3268
AOOS-AXYS	65˚00.700’N, 169˚27.23’W	- - - - - -	Surface	30/15	Darcy Dugan (907) 644-6718
AW15-AU-NM1	64˚50.856’N, 168˚23.386’W	144 feet	115 feet	40/15	Catherine Berchok (206) 526-6331
AW15-AU-KZ1	67˚07.416’N, 168˚36.262’W	138 feet	109 feet	40/15	Catherine Berchok (206) 526-6331
AW15-AU-PH1	67˚54.621’N, 168˚11.898’W	187 feet	158 feet	40/15	Catherine Berchok (206) 526-6331

ALASKA – BERING SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
MARU	57º08.638'N, 164º30.563'W	230 feet	Surface	37/09	Dr. John Kemp jkemp@whoi.edu
BSP-6	53˚24.480’N, 168˚51.077’W	3,346 feet	558 feet	21/14	David Strausz (206) 526-4510
NMML-70	57˚21.0302’N, 166˚22.6197’W	226 feet	194 feet	21/14	David Strausz (206) 526-4510
14BSP-5A	59˚54.800’N, 171˚42.520’W	230 feet	197 feet	42/14	David Strousz (206) 526-4510
14BS-5A	59˚55.070’N, 171˚42.759’W	230 feet	49 feet	42/14	David Strousz (206) 526-4510
15BS-8A	62˚11.561’N, 174˚41.272’W	236 feet	62 feet	39/15	David Strousz (206) 526-4510
15BSP-8A	62˚11.667’N, 174˚41.049’W	236 feet	203 feet	39/15	David Strousz (206) 526-4510
15BSIP-8A	62˚11.574’N, 174˚40.986’W	236 feet	207 feet	39/15	David Strousz (206) 526-4510
15BS-4B	57˚53.397’N, 168˚52.309’W	230 feet	34 feet	39/15	David Strousz (206) 526-4510
15BSP-4A	57˚53.672’N, 168˚52.665’W	230 feet	194 feet	39/15	David Strousz (206) 526-4510
AW15_AU_BS1	61°35.155'N, 171°19.972'W	171 feet	142 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_BS2	59°14.567'N, 169°24.751'W	172 feet	143 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_BS3	57°40.502'N, 164°43.096'W	172 feet	143 feet	40/15	Catherine Berchok (206) 526-6331
AW15_AU_BS4	54°25.730'N, 165°16.276'W	545 feet	516 feet	40/15	Catherine Berchok (206) 526-6331
ST15_AU_NS1	63°23.945'N, 166°14.173'W	72 feet	43 feet	40/15	Catherine Berchok (206) 526-6331
BS15_AU_02b	56°52.705'N, 164°04.110'W	230 feet	201 feet	40/15	Catherine Berchok (206) 526-6331
BS15_AU_04b	57°53.672'N, 168°52.665'W	230 feet	201 feet	40/15	Catherine Berchok (206) 526-6331
BS15_AU_05a	59°54.413'N, 171°44.007'W	223 feet	201 feet	40/15	Catherine Berchok (206) 526-6331
BS15_AU_08a	62°11.667'N, 174°41.049'W	236 feet	201 feet	40/15	Catherine Berchok (206) 526-6331
16BSP-2A	56˚53.364’N, 164˚03.168’W	236 feet	203 feet	20/16	David Strousz (206) 526-4510

ALASKA – BERING SEA (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
16BSM-2A	56˚52.173’N, 164˚02.872’W	236 feet	Surface (Fl Y)	20/16	David Strousz (206) 526-4510
16BS-PITAE	56˚52.080’N, 163˚03.160’W	236 feet	Surface (Fl Y 4s)	20/16	David Strousz (206) 526-4510
AL16_AU_BS6	53˚37.989’N, 167˚24.459’W	302 feet	285 feet	20/16	Catherine Berchok (206) 526-6331

ALASKA – GULF OF ALASKA – KODIAK ISLAND – CHINIAK BAY

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
15CB-1A	57˚43.209’N, 152˚17.588’W	636 feet	571 feet	06/15	David Strausz (206) 526-4510
13CBM-1A	57˚41.82’N, 152˚18.84’W	476 feet	Surface	14/13	David Strausz (206) 526-4510
16CB-1A	57˚43.344’N, 152˚17.384’W	623 feet	558 feet	10/16	David Strausz (206) 526-4510

ALASKA – COOK INLET

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
N-4	60˚39.198’N, 151˚23.244’W	50 feet	47 feet	17/16	Ben Garrett (250) 656-0177 x161
N-5	60˚39.714’N, 151˚23.154’W	40 feet	37 feet	17/16	Ben Garrett (250) 656-0177 x161
N-6	60˚41.394’N, 151˚24.300’W	40 feet	37 feet	17/16	Ben Garrett (250) 656-0177 x161

ALASKA – PRINCE WILLIAM SOUND

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
PST1	60°39.100'N, 146°16.682'W	154 feet	138 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST2	60°39.338'N, 146° 17.353'W	226 feet	210 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST3	60° 39.568'N, 146° 18.040'W	390 feet	374 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST4	60° 39.798'N, 146° 18.726'W	427 feet	410 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST5	60° 40.028'N, 146°19.413'W	420 feet	404 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST6	60°40.257'N, 146°20.100'W	410 feet	394 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST7	60°40.487'N, 146°20.786'W	295 feet	279 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST8	60°40.717'N, 146°21.473'W	233 feet	217 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST9	60°40.947'N, 146°22.160'W	194 feet	177 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
PST10	60°41.176'N, 146°22.846'W	141 feet	125 feet	18/09	Mary Anne Bishop (907) 424-5800 x228
H01	60˚20.55’N, 146˚43.824’N	100 feet	61 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H02	60˚20.40’N, 146˚44.52’W	879 feet	788 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H03	60˚20.256’N, 146˚45.264’W	884 feet	793 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H04	60˚20.112’N, 146˚45.966’W	884 feet	793 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H05	60˚19.968’N, 146˚46.71’W	887 feet	796 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H06	60˚19.812’N, 146˚47.418’W	895 feet	804 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H07	60˚19.668’N, 146˚48.138’W	909 feet	818 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H08	60˚19.47’N, 146˚48.954’W	935 feet	834 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H09	60˚19.32’N, 146˚49.782’W	1007 feet	899 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H10	60˚19.188’N, 146˚50.508’W	1058 feet	947 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H11	60˚19.008’N, 146˚51.228’W	1136 feet	1015 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H12	60˚18.888’N, 146˚51.918’W	1194 feet	1073 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H13	60˚18.738’N, 146˚52.656’W	907 feet	816 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H14	60˚18.588’N, 146˚53.34’W	523 feet	468 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H15	60˚18.468’N, 146˚53.994’W	276 feet	221 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
H16	60˚18.54’N, 146˚54.552’W	84 feet	29 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M01	59˚55.482’N, 147˚48.63’W	294 feet	255 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M02	59˚55.848’N, 147˚49.074’W	447 feet	398 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M03	59˚56.178’N, 147˚49.51’W	509 feet	454 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M04	59˚56.556’N, 147˚49.956’W	577 feet	515 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M05	59˚55.686’N, 147˚50.382’W	638 feet	570 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M06	59˚57.222’N, 147˚50.838’W	695 feet	620 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M07	59˚57.546’N, 147˚51.234’W	741 feet	663 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M08	59˚57.858’N, 147˚51.63’W	767 feet	689 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M09	59˚58.146’N, 147˚52.008’W	774 feet	693 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M10	59˚58.512’N, 147˚52.434’W	778 feet	697 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
M11	59˚58.842’N, 146˚52.866W	471 feet	419 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
LP01	59˚58.848’N, 148˚01.914’W	113 feet	97 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
LP02	59˚59.082’N, 148˚02.19’W	151 feet	135 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
EP03	59˚59.46’N, 148˚05.778’W	197 feet	181 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
EP04	59˚59.706’N, 148˚06.06’W	272 feet	256 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
POWP05	60˚02.784’N, 148˚07.482’W	317 feet	301 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
POWP06	60˚02.79’N, 148˚07.89’W	160 feet	144 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
BP07	60˚06.894’N, 148˚14.118’W	83 feet	67 feet	17/13	Mary Anne Bishop (907) 424-5800 x228
LH1	60˚22.9662’N, 147˚51.2496’W	20 feet	surface	11/14	Mary Anne Bishop (907) 424-5800 x228
LH2	60˚22.7202’N, 147˚51.3738’W	249 feet	233 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
LH3	60˚23.043’N, 147˚50.1564’W	39 feet	surface	11/14	Mary Anne Bishop (907) 424-5800 x228
LH4	60˚22.695’N, 147˚50.2806’W	473 feet	457 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
LHRT1	60˚22.6596’N, 147˚51.147’W	225 feet	209 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
LHRT2	60˚22.6482’N, 147˚50.7522’W	364 feet	348 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
LHRT3	60˚22.668’N, 147˚50.5116’W	382 feet	366 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WT1	60˚44.472’N, 147˚59.001’W	97 feet	81 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WT2	60˚44.4174’N, 147˚59.208’W	363 feet	347 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WT3	60˚44.361’N, 148˚0.237’W	133 feet	117 feet	11/14	Mary Anne Bishop (907) 424-5800 x228

ALASKA – PRINCE WILLIAM SOUND (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
WT4	60˚43.8774'N, 147˚58.707'W	244 feet	228 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WT5	60˚43.992'N, 147˚59.3364'W	252 feet	236 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WT6	60˚43.872'N, 148˚0.1476'W	42 feet	surface	11/14	Mary Anne Bishop (907) 424-5800 x228
WTRT1	60˚44.253'N, 147˚59.5596'W	504 feet	488 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WTRT2	60˚44.0994'N, 147˚59.086'W	504 feet	488 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
WTRT3	60˚43.938'N, 147˚59.448'W	316 feet	300 feet	11/14	Mary Anne Bishop (907) 424-5800 x228
PWSSC-15	60˚36.791'N, 147˚11.996'W	722 feet	197 feet (Surfacing 2X per day)	15/16	R. W. Campbell (907) 424-5800 x241

ALASKA – SOUTHEAST

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
Icy Strait	58° 14.6112'N, 136° 7.28972'W	614 feet	594 feet	35/09	Dave Carlile (907) 465-4216
Icy Strait	58° 14.5037'N, 136° 7.27185'W	541 feet	521 feet	35/09	Dave Carlile (907) 465-4216
Icy Strait	58° 14.3962'N, 136° 7.25398'W	522 feet	502 feet	35/09	Dave Carlile (907) 465-4216
Icy Strait	58° 14.2887'N, 136° 7.23611'W	358 feet	338 feet	35/09	Dave Carlile (907) 465-4216
Icy Strait	58° 14.1812'N, 136° 7.21824'W	266 feet	246 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 9.6115'N, 134° 33.78278'W	1814 feet	1795 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 9.6209'N, 134° 33.97584'W	1820 feet	1800 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 9.6303'N, 134° 34.1689'W	1811 feet	1791 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 9.6397'N, 134° 34.36195'W	1811 feet	1791 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 9.6491'N, 134° 34.55501'W	1798 feet	1778 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.6362'N, 134° 25.56783'W	1916 feet	417 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.655'N, 134° 25.95379'W	1930 feet	1910 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.6644'N, 134° 26.14676'W	1932 feet	1912 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.6738'N, 134° 26.3397'W	1936 feet	1916 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.6832'N, 134° 26.53272'W	1932 feet	1912 feet	35/09	Dave Carlile (907) 465-4216
Chatham Strait	56° 8.6926'N, 134° 26.7257'W	1932 feet	1912 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 3.34'N, 134° 15.64'W	1180 feet	928 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 3.1874'N, 134° 15.35938'W	1155 feet	1135 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 3.1111'N, 134° 15.21907'W	1155 feet	1135 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 3.0348'N, 134° 15.07877'W	1155 feet	1135 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 2.9584'N, 134° 14.93847'W	1158 feet	1138 feet	35/09	Dave Carlile (907) 465-4216
Frederick Sound	57° 2.8821'N, 134° 14.79818'W	1158 feet	1138 feet	35/09	Dave Carlile (907) 465-4216
Ommaney	56° 5.4812' N, 134° 47.0895' W	1181 feet	912 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	56° 5.3798'N, 134° 47.0233'W	1191 feet	1171 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	56° 5.2783'N, 134° 46.9572'W	1191 feet	1171 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	56° 5.1769'N, 134° 46.8910'W	1191 feet	1171 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	56° 5.0755'N, 134° 46.8249'W	1200 feet	1180 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	56° 4.9741'N, 134° 46.7587' W	1200 feet	1180 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.6327' N, 134°57.3717' W	1214 feet	1194 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.5313'N, 134° 57.3057'W	1191 feet	1171 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.4298'N, 134° 57.2397'W	1191 feet	1171 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.3284'N, 134° 57.1737'W	1220 feet	1200 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.2270'N, 134° 57.1077'W	1220 feet	1200 feet	33/10	Dave Carlile (907) 465-4216
Ommaney	55° 59.1256'N, 134° 57.0417' W	1220 feet	1200 feet	33/10	Dave Carlile (907) 465-4216
13PC1A	56˚15.87'N, 134˚40.14'W	174 feet	Surface	06/13	David Strausz (206) 526-4510

ALASKA – NORTH PACIFIC OCEAN

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
HARP-CB	58˚40.409'N, 148˚00.546'W	2,877 feet	2,779 feet	49/14	Josh Jones (858) 822-1836
HARP-PT	56˚14.635'N, 142˚45.431'W	3,238 feet	3,140 feet	49/14	Josh Jones (858) 822-1836
MFM-A	49˚58.60'N, 144˚14.77'W	13,540 feet	49 feet	24/15	Gabriella Chavez (858) 822-4938
MFM-B	50˚19.82'N, 144˚23.90'W	13,599 feet	49 feet	24/15	Gabriella Chavez (858) 822-4938
GHPM-1	50˚04.79'N, 144˚48.18'W	13, 842 feet	483 feet	24/15	Gabriella Chavez (858) 822-4938