U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 17 Week: 31/20

-Navigation Information Service (NIS)-
Watchstander, 24 hours a day at (703) 313-5900
~Navcen Internet Address~
https://www.navcen.uscg.gov
-Local Notice to Mariners-
https://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 https://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, 42nd Edition.
U.S. Coast Pilot 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, 37th Edition.

BROADCAST NOTICE TO MARINERS
Navigation information previously promulgated by CG Sector Juneau Broadcast Notice to Mariners through J079-20 and CG Sector Anchorage Broadcast Notice to Mariners through A084-20 that are still in effect are included in this notice.

Chart Corrections
https://nauticalcharts.noaa.gov/charts/chart-updates.html

Dates of Latest Editions, Nautical Charts, and Miscellaneous Maps
https://nauticalcharts.noaa.gov/charts/list-of-latest-editions.html

Light List/ Summary of Corrections
https://www.navcen.uscg.gov/-pageName=lightListCorrections

NOAA Chart Viewer (Posting of all up to date NOAA charts for viewing on Internet browser to be used for ready reference or planning)
https://nauticalcharts.noaa.gov/

NOAA Booklet Charts
https://nauticalcharts.noaa.gov/charts/noaa-raster-charts.html#booklet-charts

Coast Pilots, along with corrections, are available at:
https://nauticalcharts.noaa.gov/publications/coast-pilot/index.html

NOAA Weather Buoy Sites
http://www.ndbc.noaa.gov/

Tides online
https://tidesandcurrents.noaa.gov/

Tides, Currents, PORTS
https://tidesandcurrents.noaa.gov/noaacurrents/Stations-g=693

Weather
http://www.nws.noaa.gov/om/marine/alaska.htm

Vessel Traffic System Prince William Sound (VTSPWS) Users Manual
https://homeportr.uscg.mil/Lists/Content/DispForm.aspx-ID=2205&Source=https:

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift

I through O

I - Interrupted

P through Z

PRIV - Private Aid

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
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
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.

712 **ALASKA**

The Coast Guard's VHF-FM Remote Fixed Facility (RFF) reception capabilities on the following sites are degraded and calls on VHF-FM Channel 16 may not be received by the responsible Coast Guard Sector Communication Center within the stated coverage area:
DECEPTION HILLS – The Gulf of Alaska near Cape Fairweather, Lituya Bay, and the Fairweather grounds.
ALTHORP PEAK – Cross Sound, Lisianski Inlet, and near Cape Spencer.
MOUNT MCARTHUR – Cape Decision, Southern Sumner Strait, Cape Omney, and the vicinity of Coronation Island.
DUFFIELD PENINSULA – Hoonah Sound and Peril Strait.
DUKE ISLAND – Eastern Dixon Entrance, Revillagigedo Channel, Eastern Behm Canal, and Southern Clarence Strait.
SUKKWAN ISLAND – Tlevak Strait, Hetta Inlet, Cordova Bay, and Western Dixon Entrance.
ZAREMBO ISLAND – Sumner Strait, Northern Clarence Strait, Stikine Strait, and Snow Passage.
CAPE FANSHAW – Southern Stephens Passage and Frederick Sound.
GRAVINA ISLAND – Tongass Narrows, Nichols Passage, Southern Clarence Strait, Western Behm Canal, and Northern Revilagigido Channel.
YAKUTAT – Gulf of Alaska near Yakutat.
MIDDLE CAPE – Southwestern Kodiak and the Southwestern portion of Shelikof Strait from Cape Igvak to Cape Kuliak.
RASPBERRY ISLAND – Western Kodiak Island, Shelikof Strait, and Kupreanof Strait.
CAPE GULL – Northwest Afognak Island, Cape Douglas, and Shelikof Strait to Cape Uyak.
RUGGED ISLAND – The area around Seward, Resurrection Bay, Southwestern Prince William Sound including Blying Sound.
SITKINAK DOME – Southern Kodiak and Southeastern Shelikof Strait to Southern Sitkinak Strait.
BEDE MOUNTAIN – The area around Homer, the Barren Islands, Chugach Islands, Kachemak Bay, Southern Cook Inlet, and Kennedy Entrance.
If unable to reach the Coast Guard on VHF-FM Channel 16, mariners that are equipped with capable radios can contact the Coast Guard through Communications Detachment Kodiak via high frequency (HF) 4125Khz. Mariners can also contact the Coast Guard via cellular or satellite phone by calling JRCC Juneau at 907-463-2000, Sector Juneau Command Center at (907) 463-2980 or Sector Anchorage Command Center at (907) 428-4100. Mariners are reminded that Western and Northern Alaskan have no VHF-FM coverage. Contact in areas without VHF/FM coverage to the Coast Guard is via Communications Detachment Kodiak on HF or JRCC Juneau by phone. Mariners are requested to relay any unanswered calls for assistance to the Coast Guard.

LNM: 31/20

713 **ALASKA – NORTHWESTERN – CHUKCHI SEA**

The U.S. Fish and Wildlife Service is requesting mariners cooperation in minimizing disturbances to walrus herds resting along the Chukchi Sea coast of Alaska. There are currently large groups of walrus resting on shore in the vicinity of Point Lay and walruses are expected to occupy Cape Lisburne beaches soon. Additional information is included as an enclosure to this LNM. Questions/concerns should be directed to the U.S. Fish and Wildlife Service at 1-800-362-5148.

LNM: 31/20

716 **ALASKA – SOUTHCENTRAL – KODIAK/GULF OF ALASKA**

CORRECTED NOTICE (The beginning date and the times have changed): The Pacific Spaceport Complex Alaska (PSCA) is planning to conduct a rocket launch from launch pad LP-3B at Narrow Cape, Kodiak, Alaska from 030200-030430 UTC which is 1800-2030 Alaska Daylight Savings Time on August 2nd, 2020. If the launch does not occur on August 2nd then it will be rescheduled for the following day during the same time window. Rescheduling could continue each day through August 7th, 2020 (August 8th for UTC). The following hazardous areas are recommended to be avoided during the daily launch windows. Additional information including the locations of the hazardous areas is available in an enclosure to this LNM.

LNM: 30/20

723 **ALASKA – WESTERN – NORTON SOUND**

HYDROGRAPHIC SURVEY: NOAA has contracted Terrasond Limited to conduct a hydrographic survey in Norton Sound, from approximately July 1 through September 30th, 2020 for the purpose of updating nautical charts. The survey area is in SE Norton Sound, extending approximately from Stuart Island east to Egg Island and includes the approaches to Stebbins and St. Michael. The survey will be accomplished by the R/V QUALIFIER 105 (Q105), a 105' survey vessel, white in color and marked "RESEARCH". An 18' unmanned vessel, yellow in color, will be also be deployed and will be remotely controlled and monitored from the Q105. Both vessels will work in close proximity to each other and will have limited maneuverability during survey operations. Mariners are requested to transit the area with caution and to remain clear of the vessels while surveying is in progress. The Q105 will be monitoring VHF/FM channels 13 and 16. Questions/concerns should be directed to the TerraSond General Manager, Cody McCrary at (907) 232-1772 or by email to cody.mccrary@terrasond.com.

LNM: 27/20

724 **ALASKA – SOUTHWESTERN – BRISTOL BAY – PORT MOLLER**

The following navigational aids have been relocated to better mark the navigable channel:
LLNR 27590 Hague Channel B 4 to position 55-58-00.522N, 160-39-35.683W
LLNR 27600 Hague Channel B 6 to position 55-56-09.037N, 160-42-31.341W
LLNR 27605 Hague Channel B 7 to position 55-55-51.038N, 160-41-55.340W
LLNR 27615 Hague Channel B 9 to position 55-53-37.604N, 160-47-08.707W
The buoy previously marking the channel as Hague Channel B 9 remains in position 55-54.344N, 160-44.852W and should not be used for navigation. Mariners are requested to transit the area with caution. Chart and Light List corrections will be issued once the verification process has been completed. 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: 26/20

731 **ALASKA – SOUTHWEST – BERING SEA – PORT MOLLER/HERENDEEN BAY**

eTrac Inc. has been contracted by NOAA to conduct a hydrographic survey in and around Port Moller/Herendeen Bay from June 17th through August 15th, 2020. The survey will be conducted by the R/V 505, a 33′ aluminum-hulled catamaran; the R/V RAPID, a 28′ converted USCG Safe Boat; and the R/V SPECTRUM, a 22′ aluminum monohull. All vessels will be monitoring VHF/FM channel 16 and working on VHF/FM channel 74. Mariners are requested to pass well clear of the vessels when survey operations are being conducted. An enclosure to this LNM has additional information as well as photos of the survey vessels. Questions/concerns should be directed to David Neff at (415) 517-0020 or by email to david@etracinc.com.

LNM: 24/20

732 **ALASKA – SOUTHEAST – TENAKEE INLET – TENAKEE SPRINGS**

The ferry dock and fuel pier in Tenakee Springs will be rebuilt beginning around the second week of July and will not be functional for approximately six months. The work will include pile driving and other maritime construction from various vessels. Mariners are requested to remain clear of the area and minimize their wake if transiting nearby. Fuel may be available onshore using fuel jugs but arrangements should be made in advance by calling the Tenakee Fuel Dock at (907) 736-2288 or on VHF/FM channel 16.

LNM: 24/20

734 **ALASKA – ARCTIC – BERING STRAIT/CHUKSHI SEA/BEAUFORT SEA**

NOAA's Office of Coast Survey has contracted with Terrasond Inc., to conduct a survey in the Alaskan Arctic to update nautical charts and improve the general understanding of ocean depths in the region. The survey will be conducted by four Saildrones starting in the vicinity of Point Hope and transiting Eastward to the Canadian border and returning to Point Hope. The survey will occur from July through September, 2020. Additional information is available in an enclosure to this LNM. Questions/concerns should be directed to NOAA's Alaska Navigation Manager, LCDR Bart Buesseler, at (907) 231-7112 or by email to Alaska.navmanager@noaa.gov.

LNM: 24/20

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

The U.S. Army Corps of Engineers (USACE), Alaska District conducted a project condition survey for Cook Inlet Navigation Channel on May 12,

2020 in which the following controlling depths in feet (FT) mean lower low water (MLLW) were recorded:
Left Outside Quarter 61°12'0.60"N, 150°05'48.13"W, -34.7 FT MLLW
Left Inside Quarter 61°11'58.71"N, 150°05'49.11"W, -38.2 FT MLLW
Right Inside Quarter 61°12'10.10"N, 150°04'43.50"W, -41.1 FT MLLW
Right Outside Quarter 61°11'45.46"N, 150°06'08.66"W, -37.2 FT MLLW
A chartlet of the controlling depths as well as survey data are available on the U.S. Army Corps of Engineers (USACE) Navigation Portal website at: http://navigation.usace.army.mil/Survey/Hydro. The Cook Inlet Navigation Channel was dredged during the summer of 2014 to a project depth of -38 FT MLLW. At this time, no maintenance dredging is scheduled for this channel during 2020. The next project condition survey for this channel is tentatively scheduled for May 2021.
BE ADVISED: The information depicted on maps, charts, drawings, navigation notices, etc., for the subject project, represents the results of a survey conducted on the date(s) indicated and can only be considered to represent the general condition existing at that time. The survey data was collected under a USACE contract for the purpose of characterizing the condition of the navigation channel, and the area for placement of dredged material for future channel maintenance operations. As such, the information is only valid for its intended use. This information can be used to supplement existing published navigation charts. The user is responsible for the results of any application of the survey data for other than its intended purpose and should consider the contents, timeframe of data collection, and accuracy specifications for survey data collection/processing. Additionally, bathymetry in Cook Inlet is subject to drastic and continuing change. Prudent mariners should not rely solely upon this information. 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: 23/20

740 **ALASKA – SOUTHCENTRAL – COOK INLET – PORT OF ANCHORAGE**

Pacific Pile and Marine will be conducting construction on the Petroleum and Cement Terminal in the Port of Anchorage, Sunday-Monday, 0630-1900, from May 24th through November 30th, 2020. This work will be conducted by the tug MARTIN RAY and the barge 450. Vessels engaged in work on this project will be working on VHF/FM channel 20A and will be monitoring VHF/FM channels 16 and 13. Anchors are deployed in the following positions:
1. 61°13.986′N, 149°54.078′W - anchor buoy attached
2. 61°13.962′N, 149°53.772′W
3. 61°14.166′N, 149°53.760′W - anchor buoy attached
4. 61°14.100′N, 149°53.514′W
Mariners are requested to transit the area with caution and minimize their vessels wake when passing the project. Questions/concerns should be directed to Anthony Baurle at (206) 475-0685 or by email to anthonyb@pacificpile.com.

LNM: 22/20

741 **ALASKA – SOUTHWEST – BERING SEA – KUSKOKWIM BAY/RIVER**

The following navigational aids have been relocated/established in the Kuskokwim Bay and Kuskokwim River in the following approximate positions to best mark the navigable channel:
RELOCATED:
LLNR 27835 Kuskokwim Bay B 2 to approximate position: 59°18.50′N, 162°18.40′W
LLNR 27836 Kuskokwim Bay B 3 to approximate position: 59°32.15′N, 162°16.46′W
LLNR 27837 Kuskokwim Bay B 4 to approximate position: 59°34.28′N, 162°15.37′W
LLNR 27843 Kuskokwim Bay B 12 to approximate position: 59°53.38′N, 162°15.19′W
LLNR 27844 Kuskokwim River B 13 to approximate position: 59°57.39′N, 162°20.15′W
LLNR 27845.2 Kuskokwim River B 18 to approximate position: 60°04.16′N, 162°28.50′W
LLNR 27846.5 Kuskokwim River B 23 to approximate position: 60°11.26′N, 162°21.23′W
LLNR 27847 Kuskokwim River B 25 to approximate position: 60°13.21′N, 162°20.46′W
LLNR 27847.5 Kuskokwim River B 27 to approximate position: 60°15.91′N, 162°23.36′W
LLNR 27850 Kuskokwim River B 37 to approximate position: 60°20.54′N, 162°22.12′W
LLNR 27851 Kuskokwim River B 41 to approximate position: 60°22.22′N, 162°20.27′W
LLNR 27851.7 Kuskokwim River B 44 to approximate position: 60°24.52′N, 162°22.02′W
LLNR 27852.5 Kuskokwim River B 47 to approximate position: 60°27.47′N, 162°18.27′W
LLNR 27855.7 Kuskokwim River B 60 to approximate position: 60°35.09′N, 162°14.51′W
LLNR 27856.4 Kuskokwim River B 63 to approximate position: 60°35.52′N, 162°13.39′W
ESTABLISHED:
LLNR 27847.7 Kuskokwim River B 28 in approximate position: 60°16.40′N 162°27.33′W
Chart and Light List corrections will be issued once the verification process has been completed. 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: 22/20

742 **ALASKA – SOUTHCENTRAL – KODIAK ISLAND – WHALE PASSAGE**

Yuzhni Point B 2 (LLNR 26515) has been relocated to position 57°55′09.418″N, 152°47′05.661″W. Chart and Light List corrections will be issued once the verification process has been completed. 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: 21/20

750 **ALASKA – SOUTHWESTERN – UNIMAK PASS/BERING SEA/BERING STRAIT**

OCEANOGRAPHIC AND FISHERIES SURVEY: NOAA is conducting oceanographic and fisheries acoustic surveys in the Bering Sea from July to October 2020, 24 hours a day, for the purpose of weather and fisheries research. The survey will be conducted by three Autonomous Surface Vehicles (ASV), saildrone, each 23 ft, orange in color and marked "SAILDRONE". The ASVs have been deployed from Alameda, CA and will transit via Unimak Pass into Bering Strait around the last week of June. All drones will have limited maneuverability during survey operations. Mariners are requested to transit areas of operation with caution and to remain greater than 500 meters away from the research equipment. The ASVs maintain a white all-round masthead light and are AIS identifiable as 'Saildrone' when near other AIS transmitting vessels. Additional information and a photo of an ASV is included as an enclosure to this LNM. Mission details and updates can be found online at https://www.fisheries.noaa.gov/region/alaska. Questions should be directed to both missioncontrol@saildrone.com (510-722-6070) and maggie.mooney-seus@noaa.gov (206-526-4348).

LNM: 20/20

751 **ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – BARRY ARM**

The State of Alaska has issued a press release indicating that a potential landslide caused tsunami may occur in Barry Arm in Northwestern Prince William Sound. It is uncertain if and when this might occur and until additional testing and analysis is conducted a more accurate timetable cannot be developed. The geologic makeup of the area is similar to Alaskan locations where two previous landslide caused tsunamis occurred, in Lituya Bay (1958) and Icy Bay (2015), both causing extremely large but localized tsunamis. Mariners should maintain vigilance when in the vicinity of Barry Arm or nearby waters and be prepared to depart the area if any unusual geologic activity is observed. Additional information is available at the following website:
https://www.adfg.alaska.gov/sf/EONR/index.cfm?ADFG=region.NR&Year=2020&NRID=2935

LNM: 20/20

753 **ALASKA**

The Governor of Alaska has directed that all people arriving in Alaska, whether resident, worker or visitor, are required to self-quarantine for 14 days and monitor for illness. Intrastate travel has also been restricted to some locations. Additional information and updated Alaska State Health Mandates are available at https://covid19.alaska.gov/health-mandates/. Contact your local Harbormaster with community-specific questions prior to mooring.

LNM: 19/20

782 **ALASKA – SOUTHEAST – DIXON ENTRANCEALASKA – SOUTHEAST – DIXON ENTRANCE**

Tree Point LT (LLNR 21840) has been relocated to a new steel structure approximately 100 yards Southeast of the existing lighthouse structure. The approximate position for the new light is 54°48′10″N, 130°56′04″W. 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: 11/20

784 **ALASKA**

The outbreak of respiratory illness caused by the COVID-19 virus may affect mariners and maritime commerce transiting to or near Alaska. Additional interim guidance for ships on managing suspected coronavirus disease concerns is available at https://www.cdc.gov/quarantine/maritime/recommendations-for-ships.html. Two enclosures to this LNM include additional information as well as a number of links to websites where additional information regarding this illness can be obtained. Mariners with questions/concerns while transiting to or near Alaska should contact the Coast Guard Sector Anchorage Command Center at (907) 428-4100 or the Coast Guard Sector Juneau Command Center at (907) 463-2980.

LNM: 11/20

786 **ALASKA – NORTHWESTERN – CHUKCHI SEA – LEDYARD BAY**

Orion Marine Contractors will be conducting rock quarry operations at the north end of Cape Lisburne (approximately ½ mile west of the USAF runway at the Long Range Radar Site) in a rock quarry located in approximate position 68°52'37.51"N, 166° 9'26.41"W. Blasting operations will begin on April 20th, 2020 and continue 7 days a week until September 1, 2020. Please avoid this area and at no time enter closer than ½ mile of the area of quarry operations. Please contact Orion Marine Contactors at (907) 433 3538 or by radio on VHF/FM channel 16 for additional information or concerns.

LNM: 11/20

807 **ALASKA – SOUTHWESTERN – BRISTOL BAY – PORT MOLLER**

The Coast Guard has decommissioned the Port Moller Harbor Spit DBN (LLNR 27850). Chart and Light List corrections will be issued in a subsequent LNM. 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: 04/20

809 **ALASKA AND NATIONWIDE**

On November 15, 2019, NOAA formerly announced in the Federal Register (Docket #2019-24807) that they would begin a 5-year process of discontinuing their traditional paper, or raster, charts by 2025. NOAA intends to gradually 'sunset' raster chart products and is introducing an option to create custom ENC data based charts that can be printed as a paper copy locally or commercially, via one of their certified third party printers. More detailed information regarding this transition is available from https://nauticalcharts.noaa.gov/publications/docs/raster-sunset.pdf . Comments/questions on the Federal Register Notice and the NOAA Custom Chart application should be submitted at https://www.nauticalcharts.noaa.gov/customer-service/assist/ . Other concerns may be directed to your local NOAA Navigation Manager, https://nauticalcharts.noaa.gov/customer-service/regional-managers/index.html . In order to identify and overcome the regulatory challenges

associated with this transition including but not limited to updating commercial vessel carriage requirements and maritime safety information processes, NOAA will continue to work directly with its Agency charting partners. A prototype version of the NOAA Custom Chart Tool is available at https://devgis.charttools.noaa.gov/pod/

LNM: 03/20

832 **ALASKA – SOUTHWESTERN – ALEUTIAN PENINSULA AND ISLANDS**

The Captain of the Port (COTP), Western Alaska, through consultation with marine pilot associations, vessel operators, and port authorities, developed operating procedures for vessels in port or at anchor in the Aleutian or Pribilof Islands, with an emphasis on Dutch Harbor, Alaska. Those procedures were developed to address the frequent and severe storms that impact both the Aleutian and Pribilof Islands and have been published as a Navigation Advisory and is available online at https://ba5d8e27-22a6-4c7e-bfd1-86a9416f28e1.filesusr.com/ugd/cd25fe_5daa0bb144324e6b9abe6e5c5305492c.pdf. Questions/concerns should be directed to LT Mateusz Lemanski at (907) 463-4189 or by email to Mateusz.j.lemanski@uscg.mil or the Coast Guard Sector Anchorage Command Center at (907) 428-4100.

LNM: 48/19

836 **ALASKA – SOUTHEAST – TONGASS NARROWS**

OBSTRUCTION TO NAVIGATION: A 24′ Bayliner has sunk in 22 feet of water in approximate position 55°20.79′N, 131°40.36W, approximately 50 yards offshore from Bar Harbor. The vessel is marked by an orange float. Mariners are requested to use caution when transiting the area. Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at (907) 463-2980 or on VHF/FM channel 16.

LNM: 48/19

916 **ALASKA – GULF OF ALASKA**

NOAA DLB 46001 (LLNR 984) has been replaced with a 3-meter buoy and relocated to 56°13′56.000″N, 147°56′57.000″W. Chart and Light List corrections were issued in LNM 32/19 but gave an incorrect position for NOAA DLB 46001 (LLNR 984). The chart and Light List corrections have been reissued in this LNM. The previous 6-meter buoy was not recovered, has been temporarily renamed 46X01, and remains in position 56°18′16.000″N, 147°55′13.000″W. Mariners are requested to transit the area with caution until the previous buoy is recovered. 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: 35/19

918 **ALASKA – GULF OF ALASKA**

NOAA DLB 46085 (LLNR 984.15) has been replaced with a 3-meter buoy and relocated to 55°53′18.000″N, 142°50′48.000″W. Chart and Light List corrections have been issued. The previous 6-meter buoy was not recovered and remains in position 55°52′05.000″N, 142°33′31.000″W. Mariners are requested to transit the area with caution until the previous buoy is recovered. 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: 33/19

930 **ALASKA – SOUTHCENTRAL – SHELIKOF STRAIT – KINAK BAY**

An uncharted rock has been reported in Kinak Bay in position 58°03.8′N, 154°25.3′W at a depth of approximately 3 fathoms. Mariners are advised to transit the area with extreme caution. 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: 28/19

937 **ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – UNAKWIK INLET**

An uncharted and dangerous rock has been reported in Unakwik Inlet in approximate position 61°08.045′N, 147°32.665′W. Mariners should transit the area with caution. 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: 25/19

939 **ALASKA – SOUTHEAST – WRANGELL NARROWS**

OSTRUCTION TO NAVIGATION: The P/C HEATHER ANN has sunk in Wrangell Narrows on the East side of the channel approximately 330 yards South of Wrangell Narrows Channel LT 16 (LLNR 22955). The most recent reported position was 56°37.25′N, 132°57.64′W. The P/C HEATHER ANN is a 52′ wood vessel and may be awash and barely visible at higher tides, exposed at lower tides, or relocated by the extreme current in the area. The vessel was marked with a single orange float. Mariners are requested to transit the area with extreme caution and report any changes in position to the Coast Guard Sector Juneau on VHF/FM channel 16 or by phone to (907) 463-2980.

LNM: 25/19

946 **ALASKA – SOUTHEAST – FRESHWATER BAY**

An uncharted rock shoal has been reported in Cedar Cove centered in approximate position 57°52.405′N, 135°03.694′W with an approximate 75 foot radius. The rocks were approximately 1 foot below a 0′ tide. The location of the reported shoal has a charted depth of 12 fathoms. 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: 24/19

ALASKA – SOUTHEAST – STARRIGAVAN BAY

960 Blasting will be conducted for construction of the Katlian Bay road from Starrigavan Bay to Katlian Bay beginning May 15, 2019 through September 1, 2021. Blasting will begin in approximate position 57° 08′ 09″ N, 135°22′12″W and end in approximate position 57°09′43″ N, 135°17′18″ W, with a danger radius of 1,000 feet. Blasting may take place during daylight hours 7 days per week. Blasting will be preceded by a series of long audible signals 5 minutes prior to blasting, a series of short audible signals 1 minute prior to blasting, and one long audible signal when the blast is complete. Mariners are advised to avoid transiting within the danger radius when blasting is taking place. Blasting near the coastline will be announced on VHF/FM channel 16 one hour prior to blasting, and blasting personnel will maintain lookouts for watercraft within the danger radius before the blast is initiated. Questions/concerns should be directed to Ken Kirschenman at (916) 218-2729 or by email to superiorblasting@yahoo.com.

LNM: 18/19

961 **ALASKA – WESTERN**

In accordance with U.S. Coast Guard Marine Safety Information Bulletin (MSIB) 07-13, all tank vessels planning to conduct lightering operations or ship-to-ship transfers in the Western Alaska Captain of the Port Zone must submit the Sector Anchorage Lightering Form or an equivalent document to the following email address at a minimum of 48 hours prior to the operation: Anchorage.Waterways@uscg.mil.Vessels are required to have a valid Vessel Response Plan (VRP) with a Geographic Specific Appendix (GSA) for Western Alaska and enrolled with an approved Alternative Planning Criteria (APC) provider. A copy of the MSIB 07-13 and the Sector Anchorage Lightering Form are included in this Local Notice to Mariners and posted to the Sector Anchorage Homeport webpage: https://homeport.uscg.mil/port-directory/western-alaska-(anchorage). Questions/concerns can be directed to the Sector Anchorage Waterways Management Division: Anchorage.Waterways@uscg.mil.

LNM: 14/19

964 **ALASKA – SOUTHEAST – FARRAGUT BAY – FRANCIS ANCHORAGE**

Uncharted shoaling was observed in Francis Anchorage on February 14th, 2019 in position 57°08.95′N, 133°10.03′W. The charted depth for this location is 15 fathoms and the observed depths rapidly shallowed from 120 feet and ranged from 8 to 10 feet. The navigational charts for Francis Anchorage are based on pre-1900 Partial Bottom Coverage Surveys and in 1976 ‘shoaling to bare’ was reported further into the anchorage. Mariners should transit this area with extreme caution and be aware of areas that may not be adequately charted. 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: 08/19

970 **ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – ESTHER ISLAND**

OBSTRUCTION TO NAVIGATION: The 32′ F/V SONG II has been reported sunk in position 60°47.76′N, 148°03.31′W. Mariners are requested to transit the area with caution and report any sightings to the Coast Guard Sector Anchorage Command Center at (907) 428-4100 or on VHF/FM channel 16.

LNM: 34/18

971 **ALASKA - CENTRAL – BETHEL**

OBSTRUCTION: The barge SHANKS ARK has been reported sunken and abandoned in Steamboat Slough on the Kuskokwim River, approximate position 60°47'15"N, 161°41'52"W. A portion of the vessel remains visible above the level of high-tide, but the majority of the vessel remains below the waterline. The vessel is marked by an all-round white light and one ball dayshape when Steamboat Slough is ice free but the markers are removed during freeze up as no hazards exists. The Coast Guard has actively monitored the proper marking of the vessel by the vessel's owner and operator since September 10, 2016. Coast Guard pollution investigators confirmed the vessel does not pose a substantial pollution threat to the environment. Mariners are requested to transit the area with caution and report any discrepancies with the vessel's marking to the Coast Guard. Questions/concerns should be directed to LT David Parker, Sector Anchorage Waterways Management, at (907) 428-4189.

LNM: 11/17

972 **ALASKA – ALEUTIAN ISLANDS – AKUTAN ISLAND – AKUTAN HARBOR**

UNKNOWN MARINE ANOMALY: An unknown marine anomaly was discovered during underwater survey operations in Akutan Harbor in position 54°07.70889′N, 165°46.38298W on the sea floor at a depth of 138 feet. This anomaly has not been positively identified. Mariners are requested to transit the area with caution. Questions/concerns should be directed to LT David Parker with the Coast Guard Sector Anchorage Waterways Management Branch at (907) 428-4189 or by email to david.n.parker@uscg.mil.

LNM: 03/18

974 **ALASKA – SOUTHWESTERN – ALEUTIAN PENINSULA – BECHEVIN BAY**

Shoaling has been reported at the bar along the Northern entrance to Bechevin Bay by a vessel with a draft of 10 feet that reported briefly grounding in seas running 6-8 feet. Mariners should take into account their vessel's draft, charted depth of water, tides and sea state when determining an appropriate under-keel clearance for a safe transit of this waterway. Mariners are requested to report any future groundings or significant variations from charted depth to the Coast Guard Sector Anchorage Command Center at (907) 428-4100 or on VHF/FM channel 16.

LNM: 17/18

976 **ALASKA – WESTERN – YUKON RIVER**

The Yukon River South Entrance LT (LLNR 27860) has been rebuilt but the position has not been verified. Mariners are requested to transit the area with caution. 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: 37/17

977 **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 Bart Buesseler at (907) 271-3327 or by email to bart.o.buesseler@noaa.gov.

LNM: 36/17

978 **ALASKA – GULF OF ALASKA**

NOAA DLB 46001 (LLNR 984) has been replaced with a 3-meter buoy and relocated to 56°13′56″N, 147°56′57″W. Chart and Light List corrections have been issued. The previous 6-meter buoy was not recovered due to weather and remains in position 56°19′33.962″N, 147°57′01.382″W. Mariners are requested to transit the area with caution until the previous buoy is recovered. 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: 35/17

980 **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 (https://www.navcen.uscg.gov/?pageName=cgcommsCall).

LNM: 08/17

983 **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

984 **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

985 **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

986 **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

988 **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

990 **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

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
1110	Wessels Reef Buoy 1	MISSING	16013	A043-20	17/20	
1150	Seal Rocks Light	LT EXT	16682	A061-19	23/19	
1260	Cape Greig Light	DAYMK DMGD	16338	A067-20	24/20	
23170	Petersburg Bar Range Rear Light	LT EXT	17375	J064-20	22/20	
23305.1	Keku Strait Entrance Light	STRUCT DEST	17368	J069-19	38/19	
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	
23306.7	Keku Strait Daybeacon 25	STRUCT DEST	17368	J071-20	28/20	
23307	Keku Strait Daybeacon 30	STRUCT DEST	17368	J075-20	29/20	
23307.05	Keku Strait Daybeacon 31	STRUCT DEST	17372	J072-20	28/20	
23355	Portage Pass Daybeacon 11	STRUCT DEST	17368	J077-18	26/18	
23510	Point Ellis Light	LT EXT	17376	J009-20	04/20	
23631	Holkham Bay Buoy 1	MISSING	17311	J076-20	29/20	
23865	**Point Sherman Light**	**LT EXT**	**17317**	**J079-20**	**31/20**	
24260	Elfin Cove Daybeacon 5	STRUCT DEST	17302	J017-18	36/19	
24790	Dry Pass Daybeacon 3	STRUCT DEST	17387	J072-18	23/18	
24948	Indian River Flats Lighted Buoy 2	LT EXT	17327	J032-20	09/20	
25075	**Olga Strait Light 7**	**REDUCED INT**	**17324**	**J078-20**	**31/20**	
25335	Klag Bay Entrance Daybeacon 1	STRUCT DEST	17322	J047-19	30/19	
25355	Dippy Island Rock Daybeacon 3	DAYMK DMGD	17321	J216-15	51/15	
25490	Copper River Delta Buoy S	MISSING	16723	A024-19	07/19	
25580	Orca Inlet Channel Light 14	LT EXT	16710	A090-19	33/19	
25830	Smith Island Lighted Buoy 1	LT EXT	16705	A02/20	02/20	
25982	NOAA Data Lighted Buoy 46076	OFF STA	16700	A060-20	23/20	
26330	Nikiski Sector Light	LT EXT	16665	A047-20	19/20	
26430	Cook Inlet VAIS 9	AIS INOP		A071-20	26/20	
26435	Point Woronzof Range Front Light	LT EXT	16665	A033-20	14/20	
26448	Cook Inlet VAIS 11	AIS INOP	16665	A071-20	26/20	
26555	Hutchinson Reef Lighted Whistle Buoy 4	LT EXT	16595	A074-20	28/20	
27105	Humboldt Harbor Breakwater Light 2	STRUCT DEST	16553	A026-19	08/19	
27300	Chunak Point Daybeacon 2	DAYMK DMGD	16535	A089-13	15/13	
27590	Hague Channel Buoy 4	MISSING	16363	A063-20	24/20	
27600	Hague Channel Buoy 6	MISSING	16363	A064-20	24/20	
27605	Hague Channel Buoy 7	MISSING	16363	A065-20	24/20	
27837	Kuskokwim Bay Buoy 4	ADRIFT	16300	A021-20	08/20	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

None

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	
23804.5	Auke Bay Speed Limit Lighted Buoy	LT EXT	17315	J051-20	16/20	
23908	Port Chilkoot Mooring Dolphin Lights (2)	LT EXT	17317	J175-14	38/14	
25822	Port Valdez Servs Dock Lights (2)	OFF STA	16707	A067-19	24/19	
25893	Whittier Passenger Dock Lights (2)	LT EXT	16706	A031-10	20/10	
26361	Baker Oil Platform Light	REDUCED INT	16662		24/17	
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
23355	Portage Pass Daybeacon 11	TRUB	17368	J093-18	30/18	
23710	Aurora Basin Light A	DISCONTINUED	17315	J066-20	23/20	
23790	Horse Shoal Light 1	DISCONTINUED	17315	J102-19	51/19	
24957	Mitchell Rock Daybeacon	DISCONTINUED	17327	J022-17	04/17	
25025.5	Japonski Island Daybeacon 2	DISCONTINUED	17327	J196-16	49/16	
25647	NOAA Data Lighted Buoy 46081	DISCONTINUED	16705	A126-19	46/19	
25805	Port Valdez Coast Guard Mooring Buoy	DISCONTINUED	16707	A095-18	33/18	

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

SECTION IV - CHART CORRECTIONS

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

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

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER
Main Panel 2245 NEW YORK HARBOR CGD01
(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W
Green can

Corrective Action	Object of Corrective Action	Position

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

16363 13th Ed. 01-APR-15 Last LNM: 33/18 NAD 83 31/20
ChartTitle: **Port Moller and Herendeen Bay**
Main Panel 2464 PORT MOLLER AND HERENDEEN BAY. Page/Side: A

DELETE	Sounding in Fathoms & Feet; 5_4 (NOS NW-31004)	NOS 55-56-54.700N	160-34-24.500W
DELETE	Sounding in Fathoms & Feet; 6_4 (NOS NW-31004)	NOS 55-57-04.800N	160-34-25.700W
DELETE	Sounding in Fathoms; 4 (NOS NW-31004)	NOS 55-57-04.900N	160-34-04.800W
ADD	Caution note label; (see note C) (NOS NW-31004)	NOS 55-56-56.500N	160-34-24.500W
ADD	NOTE C; CAUTION An NOS Survey from 2020 encountered shoaling to 1 fm. Passage in the vicinity is not recommended without local knowledge of all hazardous conditions affecting the area. (NOS NW-31004)	NOS 55-58-15.000N	160-29-28.000W
ADD	Sounding in Fathoms; 1 (NOS NW-31004)	NOS 55-57-05.100N	160-34-21.700W

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
60-44-31.000N	151-18-36.000W	-	RANDOLPH YOST		JACKUP	STACKED
60-41-18.600N	151-23-56.040W	-	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)

ALASKA – SOUTHCENTRAL – VALDEZ HARBOR

The new Valdez South Boat Harbor has been completed. The Coast Guard has established two lights, one light at the end of each breakwater to mark the harbor entrance. (LLNR 25822.3) Valdez South Boat Harbor South Breakwater LT 1, Fl G 2.5s, in approximate position 61°07′25.2876″N, 146°20′37.1479″W. (LLNR 25822.6) Valdez South Boat Harbor East Breakwater LT 2, Fl R 2.5s, in approximate position 61°07′22.5286″N, 146°20′54.2969″W. There are also two pilings marking the entrance channel that are currently unmarked. The Coast Guard intends on establishing a quick flashing light on each piling and numbering the lights on the pilings LT 1 and LT 2 and renumbering the lights on the breakwaters LT 3 and LT 4. Once these aids have been established their actual positions will be published and chart and Light List corrections will be issued. 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: 28/19

ALASKA – SOUTHEAST – GLACIER BAY

The Coast Guard intends on changing the Rush Point Shoal B 1 (LLNR 24220) to a seasonal aid being maintained May 1st through October 1st each year. The characteristics of the buoy will not change but it will be removed from service during the off-season. 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: 41/19

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)

ALASKA – WESTERN – NORTON SOUND – GOLOVIN BAY

The Coast Guard is proposing adding navigational aids within Golovin Bay. These aids may include Lights, Daybeacons, or buoys. Mariners are requested to provide recommendations on locations that would facilitate safe navigation within Golovin Bay. 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: 26/18

SECTION VII - GENERAL

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

767 **ALASKA – SOUTHCENTRAL – COOK INLET – PORT OF ANCHORAGE**

The U.S. Army Corp of Engineers has contracted with Manson Construction Co. to conduct dredging operations on the Cook Inlet Navigation Channel and the Port of Anchorage. Dredging will start the week of April 13th, 2020 and will continue through the end of November, 2020. Dredging will be conducted by the Dredge WESTPORT with the assistance of the tug GLADYS M. Both vessels will be monitoring VHF/FM channels 08, 13, 16, and 66. A temporary mooring buoy will be established in position 61°13.216′N, 149°56.175′W. Dredged material will be disposed in approximate position 61°14.300′N, 149°56.500′W. Questions/concerns should be directed to Bob Richardson at (206) 953-0211 or Jeremy Cook at (904) 557-4356.

LNM: 15/20

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

720 **ALASKA**

PUBLICATION–National Oceanic Atmospheric Administration (NOAA)–U.S. Coast Pilot 8, Alaska:

Dixon Entrance to Cape Spencer, 42nd Edition, 2020, has been issued and is ready for free download and weekly updates at https://nauticalcharts.noaa.gov/publications/coast-pilot/index.html.
Only Print-on-Demand (POD) bound copies are available for purchase; visit www.nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot.
The 2020 Edition cancels the preceding 2019 Edition, and incorporates all previous corrections.

LNM: 28/20

ENCLOSURES

ALASKA

1120 MSIB-06-20.pdf
Vessel Reporting Requirements for Illness or Death

LNM: 11/20

ALASKA

1120 MSIB-02-20.pdf
Novel Coronavirus – Update (Change 3)

LNM: 11/20

ALASKA -- WESTERN

1419 MSIB 07-13.pdf
Requirements for Tank Vessels Conducting Lightering Operations in the Western Alaska Captain of the Port Zone

LNM: 14/19

ALASKA

1020 Subsurface Buoys.pdf
Compilation of Subsurface and Surface oceanography moorings properly reported to U.S. Coast Guard District 17.

LNM: 10/20

ALASKA – SOUTHWEST – BERING SEA – PORT MOLLER/HERENDEEN BAY

2420 Survey Port Moller.pdf
NOAA hydrographic survey in and around Port Moller/Herendeen Bay.

LNM: 24/20

ALASKA

2320 MSIB 17-20.pdf
Coast Guard Marine Safety Information Bulletin

LNM: 23/20

ALASKA – NORTHWESTERN – CHUKCHI SEA

3120 Point Lay Walrus Haulout.pdf
Information on the Point Lay Walrus Haulout

LNM: 31/20

ALASKA – SOUTHWESTERN – UNIMAK PASS/BERING SEA/BERING STRAIT

2020 Saildrone.pdf
Saildrone Survey Information

LNM: 20/20

ALASKA – ARCTIC – BERING STRAIT/CHUKSHI SEA/BEAUFORT SEA

2420 NOAA Saildrone Survey.pdf
NOAA's Office of Coast Survey Arctic Saildrone Survey.

LNM: 24/20

ALASKA – SOUTHCENTRAL – KODIAK/GULF OF ALASKA

3020 PSCA Launch.pdf
Pacific Spaceport Complex Rocket Launch

LNM: 30/20

Michael D. Newell
Waterways Management Branch
Seventeenth Coast Guard District
OPERATIONAL EXCELLENCE THROUGH LEADERSHIP, TEAMWORK, AND INNOVATION.

Marine Safety Information Bulletin

Commandant
U.S. Coast Guard
Inspections and Compliance Directorate
2703 Martin Luther King Jr Ave SE, STOP 7501
Washington, DC 20593-7501

MSIB Number: 06-20
Date: March 13, 2020

E-Mail: OutbreakQuestions@uscg.mil

Vessel Reporting Requirements for Illness or Death

An outbreak of respiratory illness caused by novel coronavirus (COVID-19) is affecting mariners and maritime commerce. This MSIB serves as a reminder that the illness of persons on board a vessel must be reported to both the Coast Guard and the Centers for Disease Control and Prevention (CDC). Reporting delays create significant challenges to protect persons on board vessels and, more broadly, maintain an effective Marine Transportation System. Vessels or masters that do not immediately report illness or death among passengers or crew may face delays and disruption to passenger and cargo operations including a requirement to return to the previous port after sailing. Additionally, vessels and masters are subject to Coast Guard enforcement action, which include civil penalties, vessel detentions, and criminal liability.

Illness of a person onboard a vessel that may adversely affect the safety of a vessel or port is a hazardous condition per 33 CFR 160.216 and the owner, agent, master, operator, or person in charge ***must immediately*** notify the nearest Coast Guard Captain of the Port (COTP). It is critical to report persons who exhibit symptoms consistent with COVID-19 or other illness to the COTP.

42 CFR 71.1 defines an ill person onboard a vessels as one that has:

(A**) Fever (has a measured temperature of 100.4 °F [38 °C] or greater**; or feels warm to the touch; or gives a history of feeling feverish) **accompanied by one or more of the following**:

- skin rash,
- **difficulty breathing** or suspected or confirmed pneumonia,
- **persistent cough** or cough with bloody sputum,
- decreased consciousness or confusion of recent onset,
- new unexplained bruising or bleeding (without previous injury),
- persistent vomiting (other than sea sickness)
- headache with stiff neck;

(B) **Fever that has persisted for more than 48 hours;**

(C) Acute gastroenteritis, which means either:

- diarrhea, defined as three or more episodes of loose stools in a 24-hour period or what is above normal for the individual, or
- vomiting accompanied by one or more of the following: one or more episodes of loose stools in a 24-hour period, abdominal cramps, headache, muscle aches, or fever (temperature of 100.4 °F [38 °C] or greater);

Additionally, as required by 42 CFR 71.21, the master of a ship destined for a U.S. port shall report ***immediately*** to the quarantine station at or nearest the port at which the ship will arrive, the occurrence, on board, of any death or any ill person among passengers or crew (including those who have disembarked or have been removed) during the 15-day period preceding the date of expected arrival or during the period since departure from a U.S. port (whichever period of time is shorter). Guidance and forms to report deaths and illnesses to the CDC can be found at: https://go.usa.gov/xdjmj.

Richard Timme, RDML, U.S. Coast Guard, Assistant Commandant for Prevention Policy sends.

This release has been issued for public information and notification purposes only.

Marine Safety Information Bulletin

Commandant
U.S. Coast Guard
Inspections and Compliance Directorate
2703 Martin Luther King Jr Ave SE, STOP 7501
Washington, DC 20593-7501

MSIB Number: 02-20 (Change 3)
Date: March 16, 2020

E-Mail: OutbreakQuestions@uscg.mil

Novel Coronavirus – Update (Change 3)

An outbreak of respiratory illness caused by a novel coronavirus (COVID-19) may affect mariners and maritime commerce. The Centers for Disease Control and Prevention (CDC) has updated their Interim Guidance for Ships on Managing Suspected Coronavirus Disease 2019 (see https://go.usa.gov/xdfyG) and Cruise Ship Travel (see https://go.usa.gov/xdfVP).

Illness of a person onboard any vessel that may adversely affect the safety of a vessel or port facility is a hazardous condition per 33 CFR 160.216 and must be reported ***immediately*** to the U.S. Coast Guard Captain of the Port (COTP). Cases of persons who exhibit symptoms consistent with COVID-19 must be reported to the COTP.

The Coast Guard considers it a hazardous condition under 33 CFR 160.216 if anyone, regardless of where they have been or who they have interacted with, shows symptoms of COVID-19 or other flu like illness. This requires immediate notification to the nearest Coast Guard COTP.

Per 42 CFR 71.21, vessels destined for a U.S. port are required to report to the CDC any sick or deceased crew/passengers during 15 days prior to arrival at the U.S. port. Guidance to vessels to report deaths and illnesses to the CDC can be found at: https://go.usa.gov/xdjmj. U.S. flagged commercial vessels are also advised to report ill crewmembers in accordance with the requirements of each foreign port called upon.

Presidential Proclamations have placed entry restrictions from persons arriving from or through the following countries: Iran, China (excluding Hong Kong and Macau), the European states within the Schengen Area (Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, and Switzerland), and beginning at 11:59 p.m. eastern standard daylight savings time on March 16, 2020, United Kingdom and Republic of Ireland.

Vessel owners/operators and local stakeholders should be aware of the following:

1. On March 13, 2020, Cruise Lines International Association (CLIA) announced that member companies were voluntarily suspending cruise ship operations from U.S. ports of call for 30 days. The CDC issued a No Sail Order on March 14, 2020 to all cruise ships that had not voluntarily suspended operations. The Coast Guard will closely coordinate with CDC to facilitate a safe and expeditious return of passengers onboard cruise ships that are underway and bound for U.S. ports.
2. Maritime commerce is vital to the U.S. economy and the Coast Guard has the responsibility to safely enable the uninterrupted flow of maritime cargo.
    - Non-passenger commercial vessels that have been to the countries noted above or embarked crewmembers from the countries noted above within the last 14 days, with no sick crewmembers, will be permitted to enter the U.S. and conduct normal operations, provided that crewmembers remain aboard the vessel except to conduct specific activities directly related to vessel cargo or

provisioning operations. U.S. citizens or any other persons listed in Section 2 of Presidential Proclamation "Suspension of Entry as Immigrants and Nonimmigrants of Certain Additional Persons Who Pose a Risk of Transmitting 2019 Novel Coronavirus", for example crewmembers with a transit and/or crewmember visa, may be permitted to disembark the vessel to conduct vessel operations pier side or for the immediate and continuous transit through the U.S. to another country. When entering the U.S. all persons must be cleared by Customs and Border Protection (CBP) and, if applicable, CDC. Crewmembers without the appropriate visas will generally be required to remain onboard unless otherwise cleared for entry by CBP and, if applicable, CDC.

- Non-passenger commercial vessels that have been to the countries noted above or embarked crewmembers from the countries noted above within the last 14 days, and do have sick crewmembers should expect delays and need to work with local health and port officials prior to entry.

3. All persons that have been in or through a country listed above may be subject to CDC screening prior to disembarkation.

Vessel owners and operators should be aware of the following:

- The Coast Guard will continue to review all "Notice of Arrivals" in accordance with current policies and will communicate any concerns stemming from sick or deceased crew or passengers to their Coast Guard chain of command and the cognizant CDC quarantine station, who will coordinate with local health authorities.
- All commercial vessel operators and mariners are encouraged to exercise due diligence during daily operations and highly encouraged to follow the CDC Interim Guidance for Ships on Managing Suspected Coronavirus Diseases 2019.
- Vessel masters shall inform Coast Guard boarding teams of any ill crewmembers on their vessel prior to embarking the team.
- Local industry stakeholders, in partnership with their Coast Guard COTP, should review and be familiar with section 5310 Procedures for Vessel Quarantine and Isolation, and Section 5320 - Procedures for Security Segregation of Vessels in their Area Maritime Security Plan.
- Local industry stakeholders, in partnership with their Coast Guard COTP, should review and be familiar with their Marine Transportation System Recovery Plan.
- **Maritime facility operators are reminded that they are not permitted to impede the embarkation/ disembarkation of crew members as permitted under Seafarer's access regulations**. This authority resides with CBP, Coast Guard, or the CDC for medical matters. Facility operators should contact their local CBP, Coast Guard, or CDC/health department offices if they have a specific request to restrict a crew member's access.
- The Coast Guard recommends that people review the CDC travel guidance (see https://www.cdc.gov/coronavirus/2019-ncov/travelers/index.html) and the U.S. Department of State (DoS) Travel Advisories related to COVID-19 at https://travel.state.gov/content/travel/en/traveladvisories/traveladvisories.html/ .

Richard Timme, RDML, U. S. Coast Guard, Assistant Commandant for Prevention Policy sends

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

Captain of the Port
United States Coast Guard
Western Alaska

510 L Street, Suite 100
Anchorage, AK 99501-1946
Staff Symbol: sp
Phone: (907) 271-6956
Fax: (907) 271-6751

16450
August 9, 2013

MARINE SAFETY INFORMATION BULLETIN 07-13

Requirements for Tank Vessels Conducting Lightering Operations in the Western Alaska Captain of the Port Zone

Ref: (a) Western Alaska Alternative Planning Criteria (WA-APC-T) approved July 31, 2013
(b) Alaska Petroleum Distributors and Transporters (APD&T) APC approved May 10, 2010
(c) 33 Code of Federal Regulations (CFR) Part 155

With the renewal of the WA-APC-T for tank vessels, it is important that all tank vessel owners and operators planning lightering operations in the Western Alaska Captain of the Port Zone understand the requirements that must be met to safely conduct lightering operations.

Effective immediately, all tank vessels planning to conduct lightering operations in the Western Alaska Captain of the Port Zone must complete the Sector Anchorage Lightering Form demonstrating compliance with the following criteria prior to conducting the proposed operation:

1. Vessels must be a current member of the WA-APC-T for tank vessel and secondary cargo carriers or the APD&T APC for tank barges.

2. Vessels must have a valid Vessel Response Plan (VRP) with a Geographic Specific Appendix (GSA) for Western Alaska.

3. If the operation is a tank vessel to tank vessel lighter, one of the vessels must have equivalent equipment to that listed in Section 6.1.1 of the APD&T APC for on board response resources.

Vessels must submit the Sector Anchorage Lightering Form for review to the following email address sectoranchoragearrivals@uscg.mil at a minimum of 48 hours prior to the operation. Following satisfactory review by this office, a copy of the form will be stamped "reviewed" and returned to the submitter to be maintained on board the vessel in accordance with the WA-APC-T operating procedures.

For copies of the approved WA-APC-T, APD&T APC, and/or the Sector Anchorage Lightering Plan Form you can visit the Sector Anchorage website at:
http://www.uscg.mil/d17/sectoranchorage/industry.asp.

Please contact LT Ryan Butler at (907) 271-6956 with any questions or concerns.

Sincerely,

S. L. JOHNSON
Commander, U. S. Coast Guard
Chief, Prevention Department
By Direction

Sector Anchorage Lightering Plan

	Name	IMO/Official #	Company
Vessel Discharging			
Vessel Receiving			

Location / Lat & Long	
Date / Time	
Cargo & Amount	
# of Transfers / Duration	

	YES	NO	N/A
Is the transfer taking place within 3 NM from land?			
If so, have the State Pilots been notified & do they approve of location?*			
Is the ship an Alaska Maritime Alternative Planning Criteria (APC) member?			
Is the barge a member of the APD&T Alternative Planning Criteria (APC)?*			

* ***If vessels lightering are both barges less than 10,000 GRT, State Pilot notification and approval are not required. If vessels involved in lightering are not an APD&T Barge, must verify spill response equipment is equivalent to APD&T Requirements***

APD&T Equivalency

	YES	NO	N/A
Transfer hoses / Portable Pumps to offload Largest Cargo Tank in 24 hrs?			
Oil Recovery Devices - Lesser of 1250 brls per day or 5% of the cargo capacity?			
Containment Boom 3 times the length of vessels conducting lighter?			
Temporary Storage equal to 10% of 2 Largest Cargo Tanks?			

List all equipment below or attach separate document with all spill response equipment, personnel needed to deploy required equipment, and tanks being utilized as required above.

Explain any 'NO' response:

Completed by:

Email completed form to: SectorAnchorageArrivals@uscg.mil

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
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
AIM16-1	75˚06.003’N, 168˚00.004’W	535 feet	142 feet	44/16	Dr. Humfrey Melling (250) 363-6552

CANADA – BEAUFORT SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
ACW16-30	68˚59.173’N, 105˚53.030’W	242 feet	231 feet	44/16	Dr. Humfrey Melling (250) 363-6552
CB12	70˚33.770’N, 127˚41.710’W	125 feet	116 feet	44/16	Dr. Humfrey Melling (250) 363-6552
IBO16-1a	70˚20.031’N, 133˚44.369’W	180 feet	171 feet	44/16	Dr. Humfrey Melling (250) 363-6552
IBO16-1b	70˚20.035’N, 133˚44.452’W	180 feet	171 feet	44/16	Dr. Humfrey Melling (250) 363-6552
IBO16-2	70˚59.359’N, 133˚44.636’W	365 feet	146 feet	44/16	Dr. Humfrey Melling (250) 363-6552
IBO16-9a	70˚03.534’N, 133˚42.918’W	116 feet	106 feet	44/16	Dr. Humfrey Melling (250) 363-6552
IBO16-9b	70˚03.501’N, 133˚42.937’W	116 feet	106 feet	44/16	Dr. Humfrey Melling (250) 363-6552
SIC16-11	69˚46.483’N, 137˚02.757’W	117 feet	107 feet	44/16	Dr. Humfrey Melling (250) 363-6552
HI16	69˚39.284’N, 138˚55.279’W	134 feet	125 feet	44/16	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
UPW80	71˚14.670’N, 150˚32.750’W	262 feet	236 feet	49/17	Steve Okkonen (907) 283-3234
UPW120	71˚16.000’N, 150˚41.640’W	354 feet	328 feet	49/17	Steve Okkonen (907) 283-3234
UPE80	71˚11.673’N, 148˚43.424’W	262 feet	236 feet	49/17	Steve Okkonen (907) 283-3234
UPE120	71˚12.338’N, 148˚48.018’W	400 feet	374 feet	49/17	Steve Okkonen (907) 283-3234
WAVE SS-1	70°29’16.8864”N, 147°30’00.3528”W	UNK	Surface	29/18	Jeremy Kasper (907) 371-6510
ODAS-1	70°24.889’N, 147°39.206’W	26 feet	24 feet	30/19	Carmen Lawrence (902) 405-3336
ODAS-2	70°16.663’N, 147°35.493’W	19 feet	17 feet	30/19	Carmen Lawrence (902) 405-3336
BCE-19	71˚40.368’N, 154˚59.923’W	344 feet	131 feet	42/19	Motoyo ITOH +81-46-867-9488
BCC-19	71˚44.049’N, 155˚09.624’W	951 feet	131 feet	42/19	Motoyo ITOH +81-46-867-9488
BCW-19	71˚47.766’N, 155˚20.777’W	554 feet	131 feet	42/19	Motoyo ITOH +81-46-867-9488

ALASKA – CHUKCHI SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
E. Barrow Canyon	71˚22.569’N, 156˚53.710’W	236 feet	226 feet	49/14	Steve Okkonen (907) 283-3234
Unnamed	71˚14.459’N, 164˚18.067’W	138 feet	Surface	28/15	Noah Lawrence (206) 526-6209
2015MARU_2	71˚29.792’N, 163˚11.449’W	144 feet	140 feet	40/15	Catherine Berchok (206) 526-6331
SCH-17 (DBO3)	68˚01.973’N, 168˚50.169’W	194 feet	115 feet	41/17	Motoyo ITOH +81-46-867-9488
C11-DAFT-1	70°00.781’N, 166°51.374’W	161 feet	157 feet	34/18	David Strausz (206) 526-4510
CEM1-19	71°35.971’N, 161°30.419’W	154 feet	108 feet	35/19	Peter Shipton (907) 224-4319
CEM2-19	71°35.979’N, 161°31.648’W	154 feet	108 feet	35/19	Peter Shipton (907) 224-4319
19CKP-5A	71°12.212’N, 158°00.722’W	157 feet	131 feet	35/19	David Strausz (206) 525-4510
19CKP-4A	71°02.591’N, 160°29.706’W	171 feet	138 feet	35/19	David Strausz (206) 525-4510
19CKR-2A	71°12.848’N, 164°15.159’W	151 feet	108 feet	35/19	David Strausz (206) 525-4510
19CKP-2A	71°13.203’N, 164°15.088’W	148 feet	118 feet	35/19	David Strausz (206) 525-4510
19CKITAEPR-2A	71°12.739’N, 164°13.341’W	151 feet	Surface	35/19	David Strausz (206) 525-4510
19CKP-1A	71°50.329’N, 163°07.698’W	148 feet	113 feet	35/19	David Strausz (206) 525-4510
19CKP-3A	71°49.486’N, 166°03.560’W	151 feet	125 feet	35/19	David Strausz (206) 525-4510
19CKP-12A	67°54.712’N, 168°11.628’W	197 feet	154 feet	35/19	David Strausz (206) 525-4510

ALASKA – CHUKCHI SEA (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
AL19-AU-BF2	71°45.139’N, 154°28.173’W	328 feet	299 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-PB1	71°12.346’N, 158°00.660’W	161 feet	131 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-WT1	71°02.623’N, 160°30.201’W	171 feet	141 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-IC1	70°50.156’N, 163°07.344’W	148 feet	118 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-IC2	71°13.005’N, 164°15.110’W	148 feet	118 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-IC3	71°49.728’N, 166°03.993’W	151 feet	121 feet	35/19	Catherine Berchok (206) 526-6331
AL19-AU-CL1	69°18.977’N, 167°37.007’W	164 feet	135 feet	35/19	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:
AOOS-AXYS	65˚00.700’N, 169˚27.23’W	- - - - - -	Surface	30/15	Darcy Dugan (907) 644-6718
NB-17t	65˚03.884’N, 169˚38.045’W	171 feet	89 feet	29/17	Makoto Sampei +81-138-40-8844
BS-17t	66˚16.075’N, 168˚54.098’W	187 feet	105 feet	29/17	Makoto Sampei +81-138-40-8844
Al9-AU-NM1	64°51.213’N, 168°32.630’W	148 feet	118 feet	35/19	Catherine Berchok (206) 526-6331
A19-AU-BS2	59°14.137’N, 169°24.800’W	180 feet	151 feet	35/19	Catherine Berchok (206) 526-6331
A2-19	65˚46.860’N, 168˚34.070’W	184 feet	26 feet	37/18	Rebecca Woodgate (206) 221-3268
A3-19	66˚19.600’N, 168˚57.050’W	184 feet	49 feet	37/18	Rebecca Woodgate (206) 221-3268
A4-19	65˚44.750’N, 168˚15.770’W	157 feet	49 feet	37/18	Rebecca Woodgate (206) 221-3268

ALASKA – NORTON SOUND

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
Station-241	64°28.339’N, 165°28.456’W	59 feet	Surface	29/18	Julie Thomas (858) 534-3032

ALASKA – BERING SEA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
AL19-AU-BS4	54˚26.266’N, 165˚17.469’W	505 feet	476 feet	17/19	Catherine Berchok (206) 526-6331
18BS-4B	57°52.05’N, 168°53.59’W	236 feet	33 feet	45/18	David Strausz (206) 526-4510
GPS Tide Buoy	58°28.015’N, 162°04.779’W	126 feet	Surface	25/19	NOAAS FAIRWEATHER (401) 378-4022
AL19-AU-BS6	53˚37.775’N, 167˚23.945’W	312 feet	282 feet	28/19	Catherine Berchok (206) 526-6331
SME-80	62°17.418’N,175°22.278’W	267 feet	264 feet	31/19	Alex De Robertis (206) 526-4789
SME-120	61°22.129’N, 177°10.200’W	393 feet	390 feet	31/19	Alex De Robertis (206) 526-4789
SME-100	61°51.013’N, 176°15.040’W	325 feet	322 feet	31/19	Alex De Robertis (206) 526-4789
SME-140	61°04.151’N, 177°44.396’W	460 feet	456 feet	31/19	Alex De Robertis (206) 526-4789
19BSP-10A	61°04.490’N, 177°43.594’W	460 feet	437 feet	31/19	Alex De Robertis (206) 526-4789
19BSP-4A	57°51.740’N, 168°52.710’W	233 feet	33 feet	40/19	Geoff Lebon (206) 526-6884
19BS-5A	59°54.220’N, 171°41.890’W	233 feet	30 feet	40/19	Geoff Lebon (206) 526-6884
19BSP-5A	59°54.220’N, 171°41.890’W	233 feet	30 feet	40/19	Geoff Lebon (206) 526-6884
19BS-8A	62°12.000’N, 174°40.770’W	243 feet	177 feet	40/19	Geoff Lebon (206) 526-6884
19BSP-8A	62°11.760’N, 174°40.470’W	243 feet	30 feet	40/19	Geoff Lebon (206) 526-6884
19BS-2C	56°51.884’N, 164°02.601’W	236 feet	203 feet	40/19	Geoff Lebon (206) 526-6884
19BSP-2B	56°51.494’N, 164°02.724’W	236 feet	33 feet	40/19	Geoff Lebon (206) 526-6884
19BSP-8A	61°11.760’N, 174°40.470’W	243 feet	30 feet	40/19	Geoff Lebon (206) 526-6884
19SHP-1A	54°50.970’N, 158°59.890’W	243 feet	207 feet	40/19	Geoff Lebon (206) 526-6884
AL18-AU-BS9	58°57.986’N, 170°20.776’W	226 feet	197 feet	40/19	Catherine Berchok (206) 526-6331
AL19-AU-BS4B	54°26.135’N, 165°16.347’W	530 feet	500 feet	40/19	Catherine Berchok (206) 526-6331
AL19-AU-BS10	56°09.603’N, 166°34.646’W	390 feet	361 feet	40/19	Catherine Berchok (206) 526-6331
AL19-AU-BS11	61°04.700’N, 170°16.600’W	161 feet	138 feet	40/19	Catherine Berchok (206) 526-6331

ALASKA – GULF OF ALASKA – SANAK TROUGH (NORTH OF SANAK ISLAND)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
TRBM-1	54˚42.606’N, 162˚37.872’W	407 feet	405 feet	48/16	Chris Wilson (206) 526-6435
TRBM-2	54˚37.151’N, 162˚35.695’W	489 feet	487 feet	48/16	Chris Wilson (206) 526-6435

ALASKA – COOK INLET – KAMISHAK BAY

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
ADCP-A	59°16’34.5168”N, 154°07’03.6837”W	16 feet	13 feet	03/18	Jason Crockett (907) 315-6513
ADCP-B	59°15’24.7255”N, 154°02’45.7066”W	43 feet	39 feet	03/18	Jason Crockett (907) 315-6513

ALASKA – GULF OF ALASKA – KODIAK ISLAND – CHINIAK BAY

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
19CB-1A	57°43.223’N, 152°17.531’W	640 feet	587 feet	28/19	David Strausz (206) 526-4510

ALASKA – GULF OF ALASKA

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
UAF GAK4M	59˚24.231’N, 149˚00.731’W	656 feet	328 feet	45/16	Dr. Andrew McDonnell (907) 474-7529
WAVE YB-1	59°27’22.248”N, 139°45’02.088”W	UNK	Surface	29/17	Jeremy Kasper (907) 371-6510
WAVE YB-2	59°26’58.7349”N, 139°47’46.3194”W	UNK	Surface	29/17	Jeremy Kasper (907) 371-6510
GEO1-2019	59°00.850’N, 148°41.410’W	722 feet	Surface	29/19	Seth Danielson (907) 474-7834
GEO2-2019	59°00.917’N, 148°41.604’W	722 feet	72 feet	29/19	Seth Danielson (907) 474-7834
GEO3-2019	59°00.988’N, 148°41.797’W	722 feet	Surface	29/19	Seth Danielson (907) 474-7834

ALASKA – GULF OF ALASKA – RESURRECTION BAY

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
GAKOA	59°54’39.55”N, 149°20’57.47”W	171 feet	Surface	13/19	Natalie Monacci (907) 474-7956
GAK1	59°51’11.952”N, 149°30’03.96”W	869 feet	66 feet	13/19	Peter Shipton (907) 224-4319

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
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
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
H01	60°20.550'N, 146°43.824'W	98 feet	66 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
HA	60°20.274'N, 146°43.248'W	591 feet	532 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H02	60°20.400'N, 146°44.520'W	879 feet	791 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
HB	60°20.094'N, 146°43.974'W	830 feet	747 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H03	60°20.250'N, 146°45.246'W	886 feet	797 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H04	60°20.112'N, 146°45.966'W	886 feet	797 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H05	60°19.968'N, 146°46.710'W	886 feet	797 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H06	60°19.812'N, 146°47.418'W	896 feet	806 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H07	60°19.668'N, 146°48.138'W	909 feet	818 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H08	60°19.470'N, 146°48.954'W	935 feet	842 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H09	60°19.320'N, 146°49.782'W	1007 feet	906 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H10	60°19.188'N, 146°50.508'W	1060 feet	954 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H11	60°19.008'N, 146°51.228'W	1135 feet	1022 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H12	60°18.888'N, 146°51.930'W	1194 feet	1075 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H13	60°18.738'N, 146°52.656'W	909 feet	818 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H14	60°18.588'N, 146°53.340'W	522 feet	470 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H15	60°18.468'N, 146°53.994'W	276 feet	244 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
HC	60°18.120'N, 146°53.568'W	449 feet	404 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
H16	60°18.540'N, 146°54.552'W	85 feet	53 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
HD	60°17.982'N, 146°54.336'W	151 feet	119 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M01	59°55.482'N, 147°48.630'W	295 feet	263 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
MA	59°55.146'N, 147°49.092'W	220 feet	188 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M02	59°55.848'N, 147°49.074'W	446 feet	401 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
MB	59°55.512'N, 147°49.512'W	420 feet	378 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M03	59°56.178'N, 147°49.518'W	509 feet	458 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M04	59°56.556'N, 147°49.956'W	577 feet	519 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M05	59°56.886'N, 147°50.382'W	640 feet	576 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M06	59°57.222'N, 147°50.826'W	705 feet	635 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M07	59°57.546'N, 147°51.234'W	741 feet	667 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M08	59°57.864'N, 147°51.636'W	768 feet	691 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M09	59°58.152'N, 147°52.008'W	784 feet	706 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M10	59°58.536'N, 147°52.458'W	778 feet	700 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
MC	59°58.182'N, 147°52.872'W	745 feet	671 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
M11	59°58.842'N, 147°52.866'W	472 feet	425 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
MD	59°58.518'N, 147°53.352'W	614 feet	553 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
LP01	59°58.854'N, 148°01.920'W	112 feet	80 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
LPA	59°58.488'N, 148°02.286'W	98 feet	66 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
LP02	59°59.082'N, 148°02.208'W	148 feet	116 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
LPB	59°58.758'N, 148°02.676'W	289 feet	257 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
EP03	59°59.472'N, 148°05.802'W	240 feet	208 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
EPA	59°59.064'N, 148°05.952'W	331 feet	299 feet	09/17	Mary Anne Bishop (907) 424-5800 x228

ALASKA – PRINCE WILLIAM SOUND (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
EP04	59°59.700'N, 148°06.072'W	276 feet	244 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
EPB	59°59.364'N, 148°06.492'W	246 feet	214 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
POWP05	60°02.778'N, 148°07.470'W	312 feet	280 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
PWA	60°02.394'N, 148°07.698'W	289 feet	257 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
POWP06	60°02.796'N, 148°07.902'W	177 feet	145 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
PWB	60°02.418'N, 148°08.208'W	266 feet	234 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
BP07	60°06.906'N, 148°14.118'W	174 feet	142 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
BPA	60°07.128'N, 148°13.458'W	167 feet	135 feet	09/17	Mary Anne Bishop (907) 424-5800 x228
Grav-1	60˚41.370’N, 146˚23.956’W	16 feet	Surface	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-2	60˚41.454’N, 146˚23.496’W	75 feet	55 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-3	60˚40.925’N, 146˚23.018’W	146 feet	126 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-4	60˚40.696’N, 146˚22.561’W	195 feet	176 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-5	60˚41.257’N, 146˚24.580’W	7 feet	Surface	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-6	60˚41.033’N, 146˚24.109’W	53 feet	34 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-7	60˚40.811’N, 146˚23.633’W	128 feet	108 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-8	60˚40.580’N, 146˚23.148’W	158 feet	138 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-9	60˚40.362’N, 146˚22.692’W	212 feet	192 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-10	60˚40.970’N, 146˚23.557’W	106 feet	86 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-RT1	60˚41.053’N, 146˚24.004’W	59 feet	40 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-RT2	60˚41.071’N, 146˚23.896’W	72 feet	53 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
Grav-RT3	60˚41.090’N, 146˚23.765’W	74 feet	55 feet	16/17	Mary Anne Bishop (907) 424-5800 x228
RH1	60°36.987’N, 146°37.412’W	213 feet	203 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
RH2	60°38.175’N, 146°29.837’W	223 feet	223 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
NMS1	60°18.476’N, 147°40.044’W	131 feet	131 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
NMS2	60°18.280’N, 147°25.330’W	154 feet	154 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
NMS3	60°22.657’N, 147°08.341’W	118 feet	118 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
GISL1	60°51.782’N, 147°13.369’W	164 feet	154 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
MR1	59°58.586’N, 147°53.254’W	607 feet	597 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
MR2	59°58.655’N, 147°53.160’W	581 feet	571 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
MR3	59°58.738’N, 147°53.030’W	564 feet	554 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
HRT1	60°18.058’N, 146°54.282’W	112 feet	102 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
HRT2	60°18.135’N, 146°54.227’W	121 feet	111 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
HRT3	60°18.226’N, 146°54.145’W	151 feet	141 feet	28/18	Mary Anne Bishop (907) 424-5800 x228
KIP1	60°18.121’N, 148°00.944’W	344 feet	324 feet	39/18	Mary Anne Bishop (907) 424-5800 x228
KIP2	60°18.050’N, 147°55.640’W	344 feet	324 feet	39/18	Mary Anne Bishop (907) 424-5800 x228
CP1	60°32.465’N, 146°08.652’W	106 feet	81 feet	39/18	Mary Anne Bishop (907) 424-5800 x228
CP2	60°32.733’N, 146°06.749’W	151 feet	126 feet	39/18	Mary Anne Bishop (907) 424-5800 x228
CEDAR1	60°33.568’N, 146°01.978”W	110 feet	85 feet	39/18	Mary Anne Bishop (907) 424-5800 x228
JP1	60°29.366’N, 146°35.524’W	74 feet	71 feet	10/20	Mary Anne Bishop (907) 424-5800 x228
PF1	60°48.720’N, 146°34.464’W	131 feet	128 feet	10/20	Mary Anne Bishop (907) 424-5800 x228

ALASKA – GULF OF ALASKA – YAKUTAT

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
Wave Buoy-1	59°270402’N, 139°44.982’W	Unknown	Surface	41/19	Jeremy Kasper (907) 371-6510
Wave Buoy-2	59°25.998’N, 139°48.366’W	Unknown	Surface	41/19	Jeremy Kasper (907) 371-6510

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

ALASKA – SOUTHEAST (Continued)

TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
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
20CSP-4A	58°07.363’N, 136°35.604’W	1,099 feet	1,060 feet	06/20	David Strausz (206) 526-4510

ALASKA – NORTH PACIFIC OCEAN

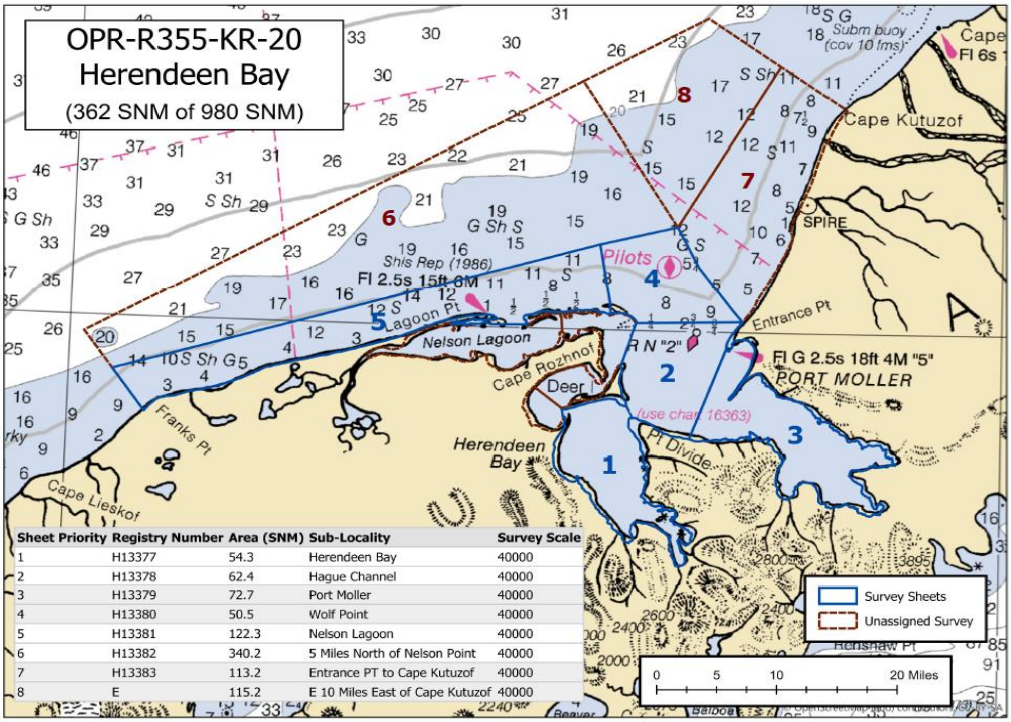
TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
HARP-CB	58˚40.409’N, 148˚00.546’W	2,877 feet	2,779 feet	49/14	Josh Jones (858) 822-1836
HARP-PT	56˚14.635’N, 142˚45.431’W	3,238 feet	3,140 feet	49/14	Josh Jones (858) 822-1836
MFM-A	49˚58.60’N, 144˚14.77’W	13,540 feet	49 feet	24/15	Gabriella 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

eTrac Inc.
637 Lindaro Street , Suite 100
San Rafael, CA 94901
T 415 462 0421
F 415 480 2023
www.etracinc.com

NOTICE OF HYDROGRAPHIC SURVEY OPERATIONS

Continuing until approximately August 15, 2020 eTrac Inc. will be conducting hydrographic surveys under contract to the National Oceanic and Atmospheric Administration (NOAA), Office of Coast Survey. R/V 505, a 33ft Aluminum-hulled catamaran research vessel, R/V Rapid a 28ft converted USCG Safe Boat, and R/V Spectrum a 22ft aluminum monohull will be conducting hydrographic surveys in the vicinity of Herendeen Bay and Port Moller Alaska.

The survey areas are displayed in the graphic below:



Sheet Priority	Registry Number	Area (SNM)	Sub-Locality	Survey Scale
1	H13377	54.3	Herendeen Bay	40000
2	H13378	62.4	Hague Channel	40000
3	H13379	72.7	Port Moller	40000
4	H13380	50.5	Wolf Point	40000
5	H13381	122.3	Nelson Lagoon	40000
6	H13382	340.2	5 Miles North of Nelson Point	40000
7	H13383	113.2	Entrance PT to Cape Kutuzof	40000
8	E	115.2	E 10 Miles East of Cape Kutuzof	40000

R/V Spectrum
22’ Monohull

R/V Rapid
28’ Catamaran

R/V 505
33’ Catamaran

For additional information please contact David Neff: david@etracinc.com, C: 415-517-0020

Marine Safety Information Bulletin

Commandant
U.S. Coast Guard
Waterways Policies and Activities Division (WWM-1)
2703 Martin Luther King Jr Ave SE, STOP 7501
Washington, DC 20593-7501

MSIB Number: 17-20
Date: 06/03/2020
Contact: LCDR John Downing
Phone: (202) 372-1568
E-Mail: cgwwm@uscg.mil

On-Water Mass Gatherings – Recreational, Sporting, or Cause-Related Events

On-water mass gatherings pose concerns due to the safety issues they create for the boating public and the Maritime Transportation System (MTS). Regardless of the nature of these gatherings, whether recreational, sporting or cause-related, they are primarily a boating safety issue. As these types of marine events continue to grow in popularity throughout the country, the Coast Guard will work together with its port partners to ensure the safety on the marine transportation system. These actions will take into account health and safety factors including but not limited to local COVID-19 and social distance guidelines as well as current unrest.

The Coast Guard issues permits for, and monitors marine events, to ensure safety of life at sea and on our waterways. Permits are required for powerboat races, sailing regattas, and other marine events that have the potential to draw an accumulation of spectator craft, may obstruct a waterway, or introduce extra or unusual hazards to the safety of human life on the navigable waters of the United States. A large gathering of recreational boaters would not necessarily meet the requirement for an event permit. It is recommended you contact your local Captain of the Port to determine if your event will require a permit.

The Coast Guard and our port partners are committed to ensuring the safety and security of the waterway. The Coast Guard and other local agencies will provide on-water safety and law enforcement assets. The goal of these patrols is to ensure mariners using the waterway are not negatively impacted due to the anticipated increase in vessel traffic and to ensure that commercial traffic can safely continue operations.

Regardless of the nature of the event, the Coast Guard's role is to ensure the safety and security of the maritime transportation system. The presence of the Coast Guard and its partners on the waterway is not to support the event itself, but to ensure the waterway is safe for all mariners due to the anticipated increase in traffic.

Boating accidents can occur quickly and without warning. To ensure a safe and enjoyable time on the water, the Coast Guard is asking boaters to ensure they have the necessary knowledge and safety equipment before getting underway. This includes a properly fitting life jacket for each passenger, a VHF radio, and flares. The Coast Guard regularly conducts recreational boating safety checks. Failure to have the necessary safety equipment may result in the termination of a voyage. Having the basic equipment can ensure a safe and enjoyable day on the water.

It is recommended participants in the event, and mariners in general, follow guidance from the CDC and local government health authorities to prevent the spread of coronavirus, including social distancing and the use of face coverings when social distance cannot be maintained.

Questions concerning this notice may be forwarded to Coast Guard Office of Waterways Policies and Activities Division (CG-WWM-1) by email to cgwwm@uscg.mil.

-uscg-

This release has been issued for public information and notification purposes only.

Pacific Walrus Haulout Advisory
For Mariners Operating along the Chukchi Sea Coast

The U.S. Fish and Wildlife Service seeks your support and cooperation in minimizing disturbances to walrus herds resting along the Chukchi Sea coast of Alaska.

Due to low seasonal ice conditions there are currently large groups of walruses hauled out on the barrier island near the community of Point Lay and walruses are expected to soon occupy the beaches near Cape Lisburne, Alaska. The Point lay haulout is currently just north of the old village site. At Cape Lisburne walrus may occupy the beaches just west of the U.S. Air Force Long Range Radar Station airstrip or on the west side of the Lisburne Peninsula. Large concentrations of walruses can be expected to be encountered in the near shore waters in these areas. In addition, large groups of walruses may be encountered in the water as they move from Point Lay to offshore feeding areas and as they move south from Point Lay to Cape Lisburne. It is anticipated that walruses will continue to use the Point Lay and Cape Lisburne haulouts through October.

How to avoid disturbance of haulouts

- Remain a minimum of 5 miles offshore when transiting past Point Lay, as requested by the Native Village of Point Lay.
- Provide the following buffers while transiting past Cape Lisburne:
- Vessels 50–100 feet in length should remain at least 1 nautical mile away from the coast
- Vessels greater than 100 feet in length should remain at least 3 nautical miles away from the coast
- Refrain from anchoring within 3 miles of the coast.
- Maintain a one-mile buffer from walrus haulouts when servicing Point Lay or Cape Lisburne.

How to safely navigate with walruses in the water near your vessel:

- Avoid excessive speed or sudden changes in speed or direction.
- Reduce speed and maintain a minimum 805-m (0.5-mi) separation distance from the vessel to groups of walruses encountered in the water.
- Do not operate in such a way as to separate members of a group of walruses from other members of the group.
- The Marine Mammal Protection Act prohibits the TAKE of all marine mammal species in U.S. waters. TAKE is defined as "to harass, hunt, capture, or kill, or attempt to harass, hunt, capture, or kill any marine mammal." Harassment is defined in the MMPA as "any act of pursuit, torment, or annoyance which has the potential to injure a marine mammal or marine mammal stock in the wild; or has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavioral patterns, including, but not limited to, migration, breathing, nursing, breeding, feeding, or sheltering".

Thank you for your cooperation.

To report incidences of disturbance or harassment, please contact:

U.S Fish and Wildlife Service
Division of Law Enforcement:
1011 E. Tudor Road
Anchorage Alaska 99503-6199
Toll free: 1-800-858-7621

For questions about walruses, please contact:

U.S. Fish and Wildlife Service
Marine Mammals Management Field Office
1011 E. Tudor Road
Anchorage Alaska 99503-6199
Toll free: 1-800-362-5148
http://www.fws.gov/alaska/fisheries/mmm/

August 2020

RESEARCH EQUIPMENT IN WATER

EASTERN BERING SEA
July – October 2020

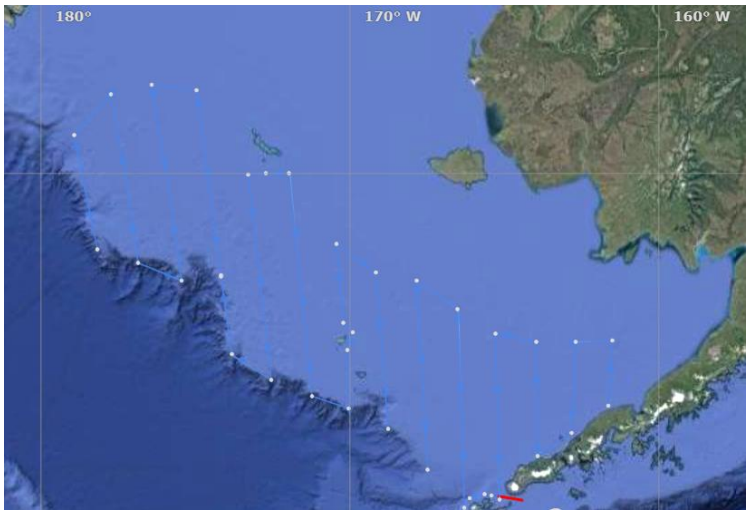
SAILDRONE, INC. will operate three Unmanned Surface Vehicles called Saildrones for oceanographic and fisheries research, in the waters from 161ºW to 179ºW. Gulf of Alaska to Eastern Bering Sea transit of Unimak Pass will be occur last week of June.

Research details and updates will be posted at https://www.fisheries.noaa.gov/region/alaska.

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

Saildrones are wind powered Unmanned Surface Vehicles that carry important oceanographic and fisheries acoustics research instrumentation and are controlled from shore through satellite communications.

- **Color: Orange**
- **Light: white all-round light**
- **Radar Reflecting: yes**
- **Distinguishing Marks/Notation: "Saildrone"**
- **Length: 23 ft & Width: 2 ft**
- **Height: 16 ft above water line**
- **Draft: 6 ft**
- **Average speed: 3 knots**



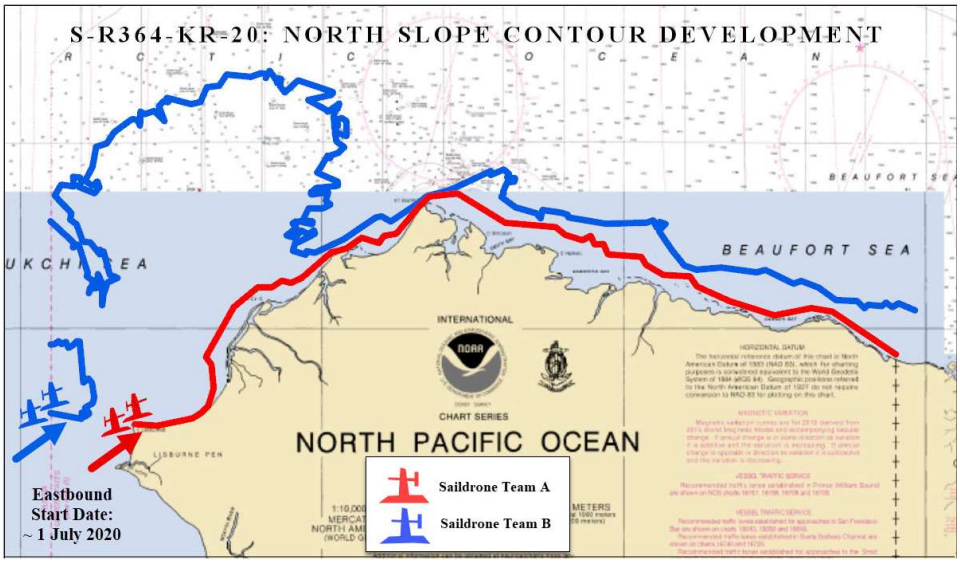
CONTACT: SAILDRONE MISSION CONTROL
Phone: (510) 722-6070 and email: missioncontrol@saildrone.com
Saildrone, 1050 West Tower Avenue, Alameda, CA, 94501, www.saildrone.com

NOAA North Slope Saildrone Survey to Update Nautical Charts

NOAA Office of Coast Survey Project Number: S-R364-KR-20

Overview

From July to September, NOAA's Office of Coast Survey will operate four Saildrones in the Alaskan Arctic to update the nautical chart and improve general understanding of ocean depths in the region. These four Saildrones will travel in pairs to survey and develop the 20 meter (65 foot) and 50 meter (164 foot) contours. The survey will start offshore of Point Hope and extend eastward to the Canadian Border before returning to Point Hope.



Schedule & Operational Area

The Saildrone project will run from July to September 2020 and consists of two phases:

Phase One of the project has both Saildrone teams sailing eastbound from July to August as they survey the 20 meter (Team A) and 50 meter (Team B) contours from Point Hope to the Canadian Border.

Phase Two has both teams sailing westbound from August to September. During this time, they will survey areas of interest between the 20 and 50 meter contours that were identified in Phase One.

Plans for Avoiding Conflicts with Subsistence Activities

To mitigate potential conflicts with subsistence activities, the project team will be using the subsistence areas outlined in the Arctic Waterways Safety Committee Standards of Care to guide outreach and notification efforts along the project's operational area. If there are concerns, the project team will work with communities to send the Saildrones towards deeper water and/or away from the area of concern. The Saildrones continuously broadcast AIS positions and can be tracked using the Arctic Vessel Tracker.

For any questions, comments, or concerns regarding these operations, please contact LCDR Bart Buesseler, NOAA's Alaska Navigation Manager at 907.231.7112 or Alaska.NavManager@noaa.gov

Office of Coast Survey
National Oceanic and Atmospheric Administration

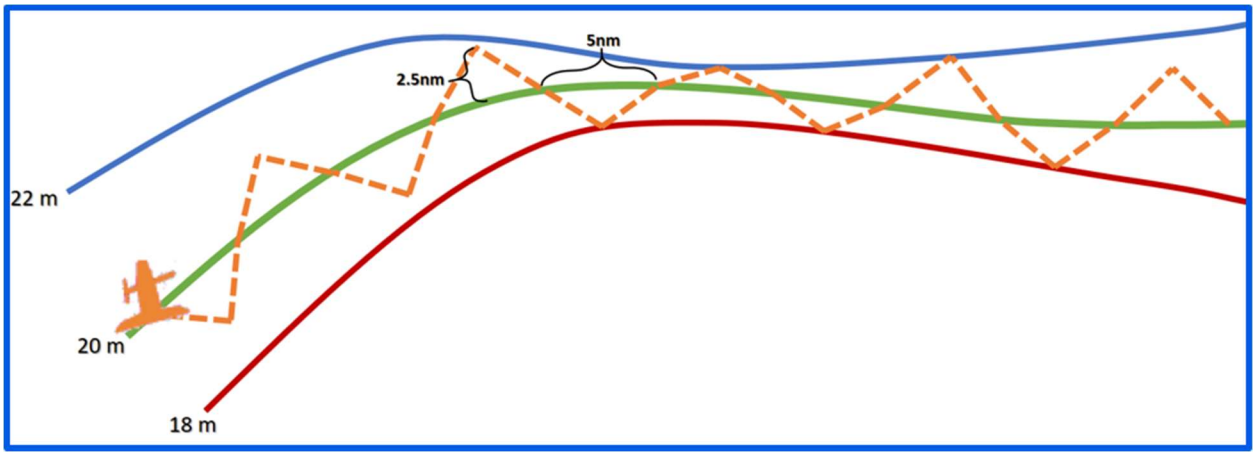
Alaska Navigation Manager
222 West 7th Ave
Anchorage, AK 99513
Alaska.NavManager@noaa.gov | Office: 907.271.3327 | Cell: 907.231.7112

The Saildrone Survey Platform

Saildrones are 23 foot, wind powered Autonomous Surface Vehicles that carry research instrumentation and are controlled from shore through satellite communications. These platforms have operated successful missions in both the Chukchi and Bering Seas since 2015 and have proven themselves as reliable, low-impact acquisition platforms. Along with the depth data acquired for Coast Survey via a DT800 single beam sonar (235 kHz), these Saildrones will be logging additional meteorological and oceanographic data to provide more accurate weather reporting, model predictions, and improve general understanding of the region for multiple NOAA programs.

What is Developing a Contour?

Developing a contour is a process of crossing along the desired depth contour in a zigzag pattern, crossing the contour at least once every five nautical miles, as shown below. After crossing, the Saildrones will turn back to the contour after they reach either a depth of +/- two meters from the target depth (i.e. 18 meters or 22 meters for the 20 meter contour), or when they've gone more than 2.5 nautical miles from the contour. This will provide Coast Survey with the information needed to update these contours on the Nautical Charts, as well as provide a wealth of information for the Arctic researchers.



The Project Team

This project is being managed by Terrasond, on behalf of NOAA's Office of Coast Survey. Terrasond has years of Alaskan surveying experience and will be managing the Saildrone team to ensure this project's success.

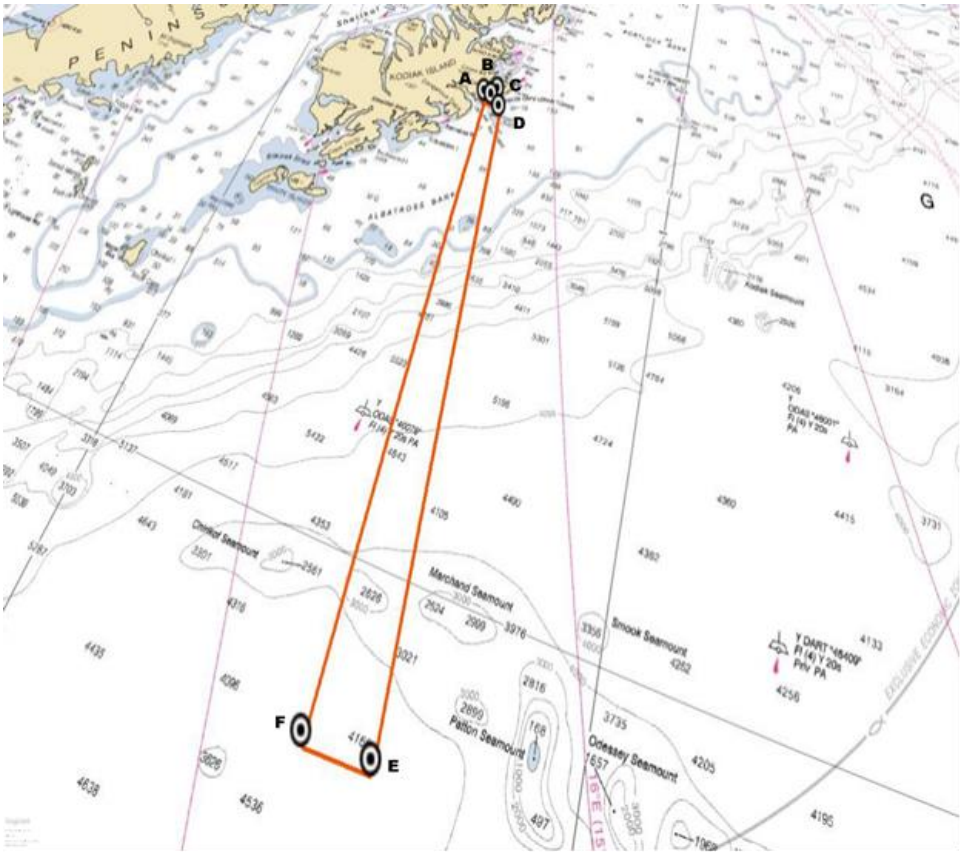
Office of Coast Survey
National Oceanic and Atmospheric Administration

Alaska Navigation Manager
222 West 7th Ave
Anchorage, AK 99513
Alaska.NavManager@noaa.gov | Office: 907.271.3327 | Cell: 907.231.7112

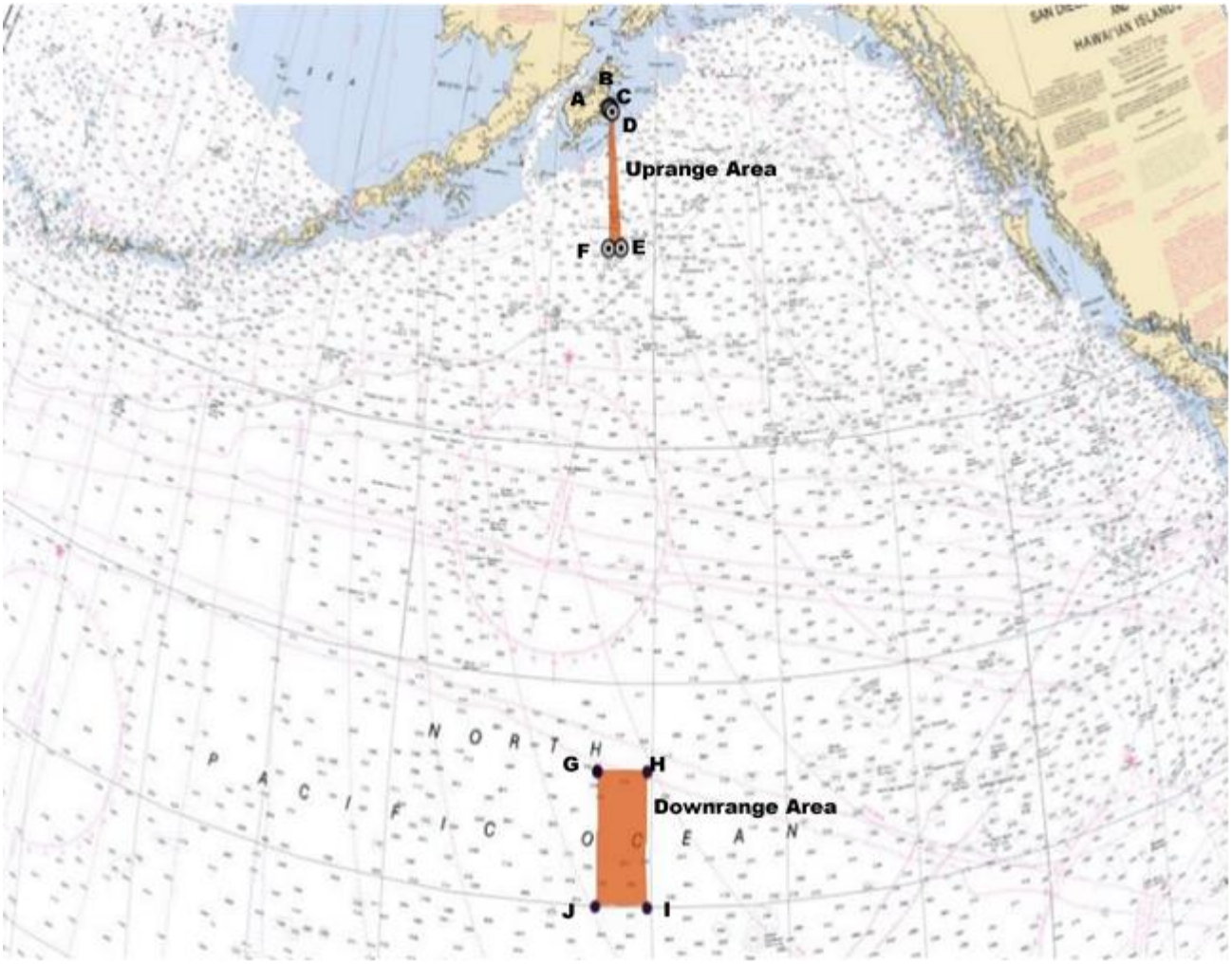
Pacific Spaceport Complex Alaska

The Pacific Spaceport Complex Alaska (PSCA) is planning to conduct a rocket launch from launch pad LP-3B at Narrow Cape, Kodiak, Alaska from 030200-030430 UTC which is 1800-2030 Alaska Daylight Savings Time on August 2nd, 2020. If the launch does not occur on August 2nd then it will be rescheduled for the following day during the same time window. Rescheduling could continue each day through August 7th, 2020 (August 8th for UTC). The following hazardous areas are recommended to be avoided during the daily launch windows.

P127 RECOMMENDED NOTMAR POLYGON FOR UPRANGE AREA				
	LATITUDE		LONGITUDE	
POINT	DEG		DEG	
A	57.4367	N	152.4497	W
B	57.4285	N	152.3500	W
C	57.4786	N	152.2955	W
D	57.3645	N	152.2094	W
E	54.3530	N	151.5827	W
F	54.3311	N	152.1711	W
A	57.4367	N	152.4497	W



P127 RECOMMENDED NOTMAR POLYGON FOR DOWNRANGE AREA				
	LATITUDE		LONGITUDE	
POINT	DEG		DEG	
G	43.07721	N	152.08	W
H	43.09388	N	150.192	W
I	40.02592	N	150.169	W
J	40.02592	N	152.059	W
G	43.07721	N	152.08	W



Questions/concerns should be directed to the PSCA Spaceport Manager, Robert Greene, at (907) 743-3539 or (907) 229-2007 or by email to Robert.greene@akaerospace.com. During launch operations the Operations Director, Shannon Edwards, can be contacted directly at (509) 713-4368 or by email to Shannon.edwards@akaerospace.com.

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: August 4, 2020
Kill Date: August 13, 2020

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 reduced 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. Register online at www.amsea.org or call (907) 747-3287.

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. Topics 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
9/21/2020	9/26/2020	Sitka	AK