U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 17 Week: 11/20

-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, 41st 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 J037-20 and CG Sector Anchorage Broadcast Notice to Mariners through A027-20 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.

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

783 **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:

BEDE MOUNTAIN The area around Homer, the Barren Islands, Chugach Islands, Kachemak Bay, Southern Cook Inlet, and Kennedy Entrance.
CAPE FANSHAW Southern Stephens Passage and Frederick Sound.
DECEPTION HILLS The Gulf of Alaska near Cape Fairweather, Lituya Bay, and the Fairweather grounds.
MOUNT MCARTHUR Cape Decision, Southern Sumner Strait, Cape Omney, and the vicinity of Coronation Island.
SUKKWAN ISLAND Tlevak Strait, Hetta Inlet, Cordova Bay, and Western Dixon Entrance.
POINT PIGOT Northwestern Prince William Sound including Port Wells, Whittier, Naked Island, Northern Culross Passage, and Passage Canal.
ALTHORP PEAK Cross Sound, Lisianski Inlet, and near Cape Spencer.
TUKLUNG MOUNTAIN The area near Dillingham, Bristol Bay, and Nushagak Waters.
DUFFIELD PENINSULA Hoonah Sound and Peril Strait.

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: 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

787 **ALASKA – SOUTHEAST – TAIYA INLET – SKAGWAY**

David Evans and Associates, Inc, will be conducting a hydrographic survey in Northern Taiya Inlet near Skagway, Alaska daily between 1400-0200 UTC which is 0600-1800 Alaska time from April 3rd through April 12th, 2020. The survey area is bounded by the following approximate positions:
NW: 59°27′30″ N, 135°21′15″ W NE: 59°27′30″ N, 135°19′00″ W
SW: 59°24′00″ N, 135°21′30″ W SE: 59°24′00″ N, 135°20′30″ W
The survey will be conducted by the F/V SEAVIEW, a 54 foot Steel purse seiner, blue hull/white cabin , and the R/V MINOTAUR, a 30 foot aluminum powerboat, blue hull/white cabin. Both vessels may be towing instrumentation up to a length of 5,000 feet and will be restricted in their ability to maneuver. Mariners are requested to contact the F/V SEAVIEW or the R/V MINOTAUR on VHF/FM channels 13 or 16 for passing arrangements. Questions/concerns should be directed to Jon Dasler at (360) 314-3200 or Nick Lesnikowski at (206) 419-4595.

LNM: 11/20

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

HAZARDOUS OPERATIONS: A rocket launch is scheduled from the Pacific Spaceport Complex located at Narrow Cape, Kodiak Island, AK from 1930 to 2300 UTC which is 1130 to 1500 Alaska Daylight Savings time on March 23rd, 2020. If the launch does not occur on March 23rd, 2020 it will be rescheduled for the following day during the same time window. This process will be continued through March 27th, 2020. If the launch does not occur by the end of the time window on March 27th, 2020, it will be completely rescheduled and the new test dates/times will be advertised. Additional information including a geographic description and chartlets describing the Exclusion areas for this launch are included as an enclosure to this LNM. Questions/concerns should be directed to Robert Greene at (907) 743-3539 or by email to Robert.greene@akaerospace.gov.

LNM: 10/20

796 **ALASKA – SOUTHWESTERN – BERING SEA**

OCEANOGRAPHIC AND FISHERIES SURVEY: The Bering Sea Fisheries Research Foundation is conducting oceanographic and fisheries surveys of red king crab from March 18th, 2020 through April 30th, 2020. Surveys are conducted 24 hours a day for the purpose of evaluating crab distribution in the Bering Sea waters between Cape Newenham and Unimak Island. The survey will be conducted by two "Saildrones", which are unmanned surface vehicles (USVs), 23 feet in length, orange in color, and marked "SAILDRONE". The USVs will be deployed from Dutch Harbor, AK and survey crab habitats in the Bering Sea between Cape Newenham and Unimak Island. All drones will have limited maneuverability during survey operations. Mariners are requested to transit areas with caution and to remain greater than 500 meters away from the research equipment. The platforms maintain a white all-round, masthead light and are AIS-identifiable as "Saildrone" when near other AIS transmitting vessels. Mission details and updates can be found online (https://www.fisheries.noaa.gov/feature-story/saildrone-fleet-set-track-alaska-red-kingcrab OR http://www.bsfrf.org/whats_new.php). Questions/concerns should be directed to Saildrone Mission Control by phone to 510-722-6070 or by email to missioncontrol@saildrone.com, Leah Zacker by email to leah.zacher@noaa.gov, or Scott Goodman by email to sgoodman@nrccorp.com. Additional information and a photo of the Saildrone are included on an enclosure to this LNM.

LNM: 09/20

800 **ALASKA**

NOAA's National Weather Service, The Alaska Division of Homeland security and Emergency Management, and the Alaska Broadcasters Association will conduct a test of the Tsunami Warning System along Alaska's Southern Coast at approximately 251815 UTC which is 10:15 A.M., Wednesday, March 25th, 2020. The test will be broadcast on radio and television stations, and the broadcast will state that it is only a test. A broadcast will be issued by the Coast Guard as part of the test. Some communities may also activate their sirens. NOAA All Hazards Weather Radio listeners will hear a tone alert followed by a test message. Feedback may be provided after the test at http://ready.alaska.gov. The test will be cancelled in the event of any significant seismic activity.

LNM: 08/20

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

808 **ALASKA – SOUTHEAST – KAKE**

Construction of the new structure for the Kake Entrance LT 2 (LLNR 23315) has been completed but dayboards and the navigational light have not been installed. The contractor has installed a temporary yellow flashing light to mark the structure until it is watching properly. 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

813 **ALASKA – SOUTHCENTRAL – COOK INLET**

The U.S. Coast Guard Captain of the Port (COTP), Western Alaska has implemented the Operating Guidelines for Ice Conditions for Lower Cook Inlet, effective January 13, 2020. All vessels arriving in Cook Inlet destined for a port with an active ice condition must file a voyage plan with the COTP by email: Sector.Anchorage@uscg.mil or by fax: (907) 428-4114, no less than 24 hours prior to arrival at or abeam the Kachemak Bay pilot station. A voyage plan template and a copy of the Guidelines has been posted to the Sector Anchorage Homeport webpage: https://homeport.uscg.mil/port-directory/western-alaska-(anchorage). The Navigation Safety Advisory has been included as an enclosure to this LNM. Questions/concerns should be directed to LT Mateusz Lemanski at (907) 428-4189 or by email to Mateusz.j.lemanski@uscg.mil.

LNM: 02/20

816 **ALASKA – SOUTHCENTRAL – COOK INLET**

The U.S. Coast Guard Captain of The Port (COTP), Western Alaska has implemented the Operating Guidelines for Ice Conditions for Upper Cook Inlet, effective December 23, 2019. Additional information is in the enclosed Navigation Advisory. Questions/concerns should be directed to LT Mateusz Lemanshi at (907) 428-4189 or by email at mateausz.j.lemanski@uscg.mil.

LNM: 52/19

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

833 **ALASKA – SOUTHCENTRAL – COOK INLET**

The Captain of the Port (COTP), Western Alaska, through consultation with the Southwest Alaska Pilots Association (SWAPA) and members of the Cook Inlet Harbor Safety Committee has developed operating guidelines for vessels operating in Cook Inlet during winter ice conditions. They represent a culmination of best practices for mitigating risk to life, property, and the environment. They have been included in a Navigation Safety Advisory that has been posted online and may be viewed at https://www.cookinletharborsafetycommittee.org/. Feedback and proposed revisions are encouraged. Questions/concerns should be directed to LT Mateusz Lemanski at (907) 463-4189 or by email to Mateusz.j.lemanski@uscg.mil.

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

ALASKA – GULF OF ALASKA

916 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

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

The U.S. Army Corps of Engineers (USACE), Alaska District conducted a single-beam project condition survey for Cook Inlet Navigation Channel on May 1, 2019 in which the following controlling depths in feet (FT) mean lower low water (MLLW) were recorded:
Left Outside Quarter W150°05'45.19" N61°12'0.13" -37.8 FT MLLW
Left Inside Quarter W150°05'44.21" N61°11'58.72" -36.2 FT MLLW
Right Inside Quarter W150°05'33.43" N61°11'57.31" -40.7 FT MLLW
Right Outside Quarter W150°05'10.90" N61°12'0.16" -39.9 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 2019. The next project condition survey for this channel is tentatively scheduled for May 2020.
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: 22/19

960 **ALASKA – SOUTHEAST – STARRIGAVAN BAY**

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

965 **ALASKA – SOUTHCENTRAL – KODIAK – SHELIKOF STRAIGHT**

The Coast Guard will lose VHF channel 16 distress listening capability in Southwestern Kodiak and Southern Shelikof Straight for approximately 2-5 months. The start time of loss is to be determined. During the outage, mariners are requested to relay distress calls in these areas to the nearest Coast Guard unit or contact the Coast Guard Sector Anchorage Command Center at (907) 428-4100.

LNM: 39/18

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

ALASKA – SUBSURFACE AND SURFACE BUOYS

990 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
1150	Seal Rocks Light	LT EXT	16682	A061-19	23/19	
23100	Wrangell Narrows Channel Light 48	STRUCT DEST/LT EXT	17375	J006-20	03/20	
23265	Bird Rock Light 2	LT EXT	17365	J112-19	53/19	
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	
23305.95	Keku Strait Buoy 14	MISSING	17372	J070-19	38/19	
23315	Kake Entrance Light 2	STRUCT DEST	17368	J086-15	18/15	
23355	Portage Pass Daybeacon 11	STRUCT DEST	17368	J077-18	26/18	
23510	Point Ellis Light	LT EXT	17376	J009-20	04/20	
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	
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	
25525	Schooner Rock Light 1	LT EXT	16709	A103-19	39/19	
25580	Orca Inlet Channel Light 14	LT EXT	16710	A090-19	33/19	
25705	Rocky Point Light 10	LT EXT	16707	A011-20	04/20	
25830	Smith Island Lighted Buoy 1	LT EXT	16705	A02/20	02/20	
25900	Whittier Breakwater Light 1	STRUCT DEST/LT EXT	16706	A024-20	10/20	
26520	Whale Passage Daybeacon 4	DAYMK MISSING	16594	A134-19	52/19	
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	
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
21840	Tree Point Light	WATCHING PROPERLY	17434	J037-20	01/20	11/20
25823	Valdez Security Zone Lighted Buoy A	WATCHING PROPERLY	16707	A027-20	47/19	11/20
25824	Valdez Security Zone Lighted Buoy B	WATCHING PROPERLY	16707	A027-20	03/20	11/20
27025	Dry Spruce Island Rock Light 7	WATCHING PROPERLY	16594	A025-20	06/20	11/20

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	
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	
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

None

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

Drill Rigs/Vessels Established

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
60-44-31.000N	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)

790 **ALASKA – SOUTHEAST – SITKA**

The Coast Guard intends to reduce the Nominal Range of the following buoys from 4NM to 3NM:
24948 Indian River Flats LB 2
24952 Indian River Flats LB 4
24953 Indian River Flats LB 6
The reason for this change is to reduce the intensity of the light and therefore extend battery life. Several of these lighted buoys have recently been extinguished because of extended darkness, potential icing, and heavily overcast skies which reduced the ability for the batteries to recharge. Reducing the intensity should allow the light to continue watching properly during periods of minimal solar charging and reduce any impact to safe navigation. 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: 10/20

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.

None

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

785 **ALASKA**

NOAA is ending the production of the printed Tide Tables and Tidal Current Tables publications. The 2020 Tide Tables and Tidal Current Tables, released for distribution and available as PDF files from https://tidesandcurrents.noaa.gov/historic_tide_tables.html, are the final printed editions. Additional information including contact information for NOAA is included as an enclosure to this LNM.

LNM: 11/20

793 **ALASKA**

USCG Navigation Rules and Regulations Handbook, 2014 Edition
Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. Included were changes to:
Vessel Bridge-to-Bridge Radio Telephone Regulations (33 CFR § 26)
COLREGS Demarcation Lines (33 CFR § 80)
72 COLREGS Implementing Rules (33 CFR § 81)
Inland Navigation Rules (33 CFR § 83)
Inland Navigation Rules – Implementing Rules (33 CFR § 89)
Vessel Traffic Management (33 CFR § 161)
All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook. These changes are outlined as originally published in Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 as well as an enclosure to this LNM.

LNM: 10/20

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 – SOUTHCENTRAL – COOK INLET

5219 Cook Inlet Ice Guidelines.pdf

Cook Inlet Ice Guidelines

LNM: 52/19

ALASKA – SOUTHCENTRAL – COOK INLET

0220 Ice Guidelines.pdf
Cook Inlet Operating Guidelines for Ice Conditions

LNM: 02/20

ALASKA

1120 AMSEA.pdf
AMSEA Maritime Training

LNM: 11/20

ALASKA

1020 MSIB - Coronavirus.pdf
Marine Safety Information Bulletin about Novel Coronavirus (COVID-19)

LNM: 10/20

ALASKA

1020 Rocket Launch.pdf
Rocket launch from Pacific Spaceport Complex, Kodiak, Alaska

LNM: 10/20

ALASKA – SOUTHWESTERN – BERING SEA

0920 Saildrone.pdf
Saildrone Red King Crab Survey

LNM: 09/20

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

1120 NOAA Tide Tables.pdf
Information on the printed Tide Tables and Tidal Current Tables publications.

LNM: 11/20

ALASKA

1020 NAVRules Changes.pdf
Changes to USCG Navigation Rules and Regulations Handbook, 2014 Edition

LNM: 10/20

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

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

Commander
United States Coast Guard
Sector Anchorage

PO Box 5800
JBER, AK 99505
Staff Symbol: s
Phone: 907-428-4200
FAX: 907-428-4218

16710
December 23, 2019

CAPTAIN OF THE PORT, WESTERN ALASKA
NAVIGATION SAFETY ADVISORY

Dear Mariner:

Cold temperatures are causing a significant buildup of ice in the upper Cook Inlet that poses extreme danger to vessels. To assist mariners, we are implementing the **Operating Guidelines for Ice Conditions for Upper Cook Inlet, effective December 23, 2019**. These guidelines were updated and signed on November 13, 2019.

All vessels scheduled to arrive in areas north of Homer, AK in Cook Inlet must submit a voyage plan no less than 24 hours prior to arrival at the Kachemak Bay Pilot Station. We have posted a voyage plan template and the Guidelines referenced above to the Sector Anchorage Homeport webpage.

Sector Anchorage Homeport webpage:
https://homeport.uscg.mil/port-directory/western-alaska-(anchorage)

While use of the voyage plan template is not mandatory, your voyage plan must include all information listed in the template. Voyage plans must be e-mailed to Sector.Anchorage@uscg.mil. Based on information in your voyage plan, we will determine if the vessel needs an exam prior to entry into Cook Inlet and will notify the submitter if an exam is required. Vessel agents can coordinate with Marine Safety Detachment Homer at (907) 235-3292 to schedule an exam.

The National Weather Service's Cook Inlet Sea Ice analysis:
https://www.weather.gov/afc/ice

Please direct questions regarding this advisory, or the Guidelines referenced above, to the Sector Anchorage Waterways Management Division at (907) 428-4189 or after hours (907) 428-4100.

Sincerely,

S. C. MACKENZIE
Captain, U. S. Coast Guard
Captain of the Port, Western Alaska

Copy: Commander, Seventeenth Coast Guard District (dp)

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

Commander
United States Coast Guard
Sector Anchorage

PO Box 5800
JBER, AK 99505
Staff Symbol: s
Phone: 907-428-4200
FAX: 907-428-4218

16710
January 13, 2020

CAPTAIN OF THE PORT, WESTERN ALASKA
NAVIGATION SAFETY ADVISORY

Cold temperatures are causing a buildup of ice in lower Cook Inlet. To assist mariners with the dangers posed by ice and winter weather conditions, we are implementing Condition A of the Operating Guidelines for Ice Conditions in Lower Cook Inlet**, effective January 13, 2020,** of the Operating *Guidelines* for Ice Conditions in Cook Inlet signed November 13, 2019. Condition A specifies that there is ice present with no immediate impact to mooring and represents the lowest severity of ice present in lower Cook Inlet.

The National Weather Service (NWS) Cook Inlet Sea Ice analysis:
https://www.weather.gov/afc/ice

All vessels scheduled to arrive in Cook Inlet north of Homer, Alaska must submit a voyage plan no less than 24 hours prior to arrival at the Kachemak Bay Pilot Station. We have posted the *Guidelines* referenced above to the Sector Anchorage Homeport webpage. The Voyage Plan template is Enclosure (3) of the *Guidelines*.

Sector Anchorage Homeport webpage:
https://homeport.uscg.mil/port-directory/western-alaska-(anchorage)

While use of the voyage plan template is not mandatory, your voyage plan must include all information listed in the template. Voyage plans must be e-mailed to Sector.Anchorage@uscg.mil. Based on information in your voyage plan, we will determine if the vessel needs an exam prior to entry into Cook Inlet and will notify the submitter if an exam is required. Vessel agents can coordinate with Marine Safety Detachment Homer at (907) 235-3292 to schedule an exam.

Please direct questions regarding this advisory or the *Guidelines* referenced above to the Sector Anchorage Waterways Management Division at (907) 428-4189 or after hours at (907) 428-4100.

Sincerely,

S. C. MACKENZIE
Captain, U.S. Coast Guard
Captain of the Port, Western Alaska

Copy: Commander, Seventeenth Coast Guard District (dp)

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: March 16, 2020
Kill Date: March 26, 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.

Fishing Vessel Drill Conductor Workshops

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

The workshops are US Coast Guard-accepted and meet the training requirements for drill conductors on documented commercial fishing vessels operating beyond the federal boundary line. The workshops are open to all mariners and are recommended for captains and crew serving on any commercial vessel.

Start Date	End Date	Location	State
4/3/2020	4/3/2020	Juneau	AK
4/17/2020	4/17/2020	Sitka	AK
04/18/2020	4/18/2020	Kenai	AK
4/24/2020	4/25/2020	Dillingham	AK

Start Date	End Date	Location	State
4/26/2020	4/26/2020	Seward	AK
5/9/2020	5/10/2020	Homer	AK
5/29/2020	5/29/2020	Sitka	AK
6/18/2020	6/18/2020	Sitka	AK

First Aid & CPR

AMSEA's First Aid & CPR workshop is designed to meet the unique needs of commercial fishermen and other mariners. Attendees receive a U.S. Coast Guard accepted two-year

certificate issued by the American Safety & Health Institute. The cost for the workshop is $100.00 including local sales tax. The topics covered include:

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

Start Date	End Date	Location	State
4/16/2020	4/16/2020	Sitka	AK
5/15/2020	5/15/2020	Sitka	AK

Start Date	End Date	Location	State
5/30/2020	5/30/2020	Sitka	AK
6/19/2020	6/19/2020	Sitka	AK

Marine Safety Instructor Training

The MSIT is an intensive train-the-trainer course that prepares individuals to effectively teach cold-water survival procedures, use of marine safety equipment, and vessel safety drills. Upon completion of the course, participants will be prepared to teach AMSEA's U.S. Coast Guard accepted Fishing Vessel Drill Conductor training, pending authorization from the Coast Guard. 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
04/20/2020	04/25/2020	Seward	AK
9/21/2020	9/26/2020	Sitka	AK

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 1)
Date: March 9, 2020

E-Mail: OutbreakQuestions@uscg.mil

Novel Coronavirus – Update (Change 1)

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

Illness of a person onboard a 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 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.

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.

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

- Passenger vessels or any vessel carrying passengers that have been to Iran or China (excluding Hong Kong and Macau) or embarked passengers who have been in Iran or China (excluding Hong Kong and Macau) within the last 14 days will be denied entry into the United States. If all passengers exceed 14 days since being in Iran or China (excluding Hong Kong and Macau) and are symptom free, the vessel will be permitted to enter the United States to conduct normal operations. These temporary measures are in place to safeguard the American public.
- Non-passenger commercial vessels that have been to Iran or China (excluding Hong Kong and Macau) or embarked crewmembers who have been in Iran or China (excluding Hong Kong and Macau) within the last 14 days, with no sick crewmembers, will be permitted to enter the U.S. and conduct normal operations, with restrictions. Crewmembers on these vessels will be required under COTP authority to remain aboard the vessel except to conduct specific activities directly related to vessel cargo or provisioning operations.
- The Coast Guard considers it a hazardous condition under 33 CFR 160.216 if a crewmember who was in Iran or China (excluding Hong Kong and Macau) within the past 14-days is brought onboard the vessel during transit. This requires immediate notification to the nearest Coast Guard COTP.
- 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.
- Vessel masters shall inform Coast Guard boarding teams of any ill crewmembers on their vessel prior to embarking the team.

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

- 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/ disembark 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 regarding specifics questions or concerns about their individual operations.
- 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/.

Ms. Dana S. Tulis, SES, U.S. Coast Guard, Director, Emergency Management (CG-5RI) sends.

9 March 2020

To: Commander, Seventeenth Coast Guard District, Juneau, Alaska
Sector Anchorage Waterways Management, Anchorage, Alaska

From: Spaceport Manager, Pacific Spaceport Complex Alaska (PSCA)

Subject: NOTMAR and water area restrictions for repurposed DARPA Launch Challenge Flight 2 – Astra P126

References:
1 – AAC's FAA License, Appendix U – USCG Memorandum of Understanding with ACC (28 Nov 17)
2 – NOTMAR and water area restrictions for DARPA Launch Challenge – FLIGHT 2 (18 Feb 20)
3 – NOTMAR and water area restrictions for DARPA Launch Challenge - FLIGHT 2 (Zulu adjustment) (19 Feb 20)

Since the second launch campaign of the DARPA Launch Challenge did not materialize, Astra has requested to conduct the same flight without DARPA sponsorship within the requested March window. This operation will be referred as PSCA Operation # P126. The safety hazard zone as well as launch times remain the same. The launch window dates have been significantly reduced from 14 days to 5 days as listed below.

Astra plans to launch P126 from Alaska Aerospace's Pacific Spaceport Complex Alaska (PSCA) Launch Pad LP-3B at Narrow Cape, Kodiak, Alaska with a primary launch date of no earlier than 23 March 2020 and back-up dates extending through 27 March 2020.

Previously requested dates outside this window (18-22 March and 28-31 March) are no longer needed.

Each day will have a launch time window of 1130 – 1500 hours Alaska Daylight Savings Time (1930 – 2300 hours UTC), which encompasses debris times, on a launch azimuth of approximately 194 degrees.

The launch window, encompassing 30-minutes for debris, will be:

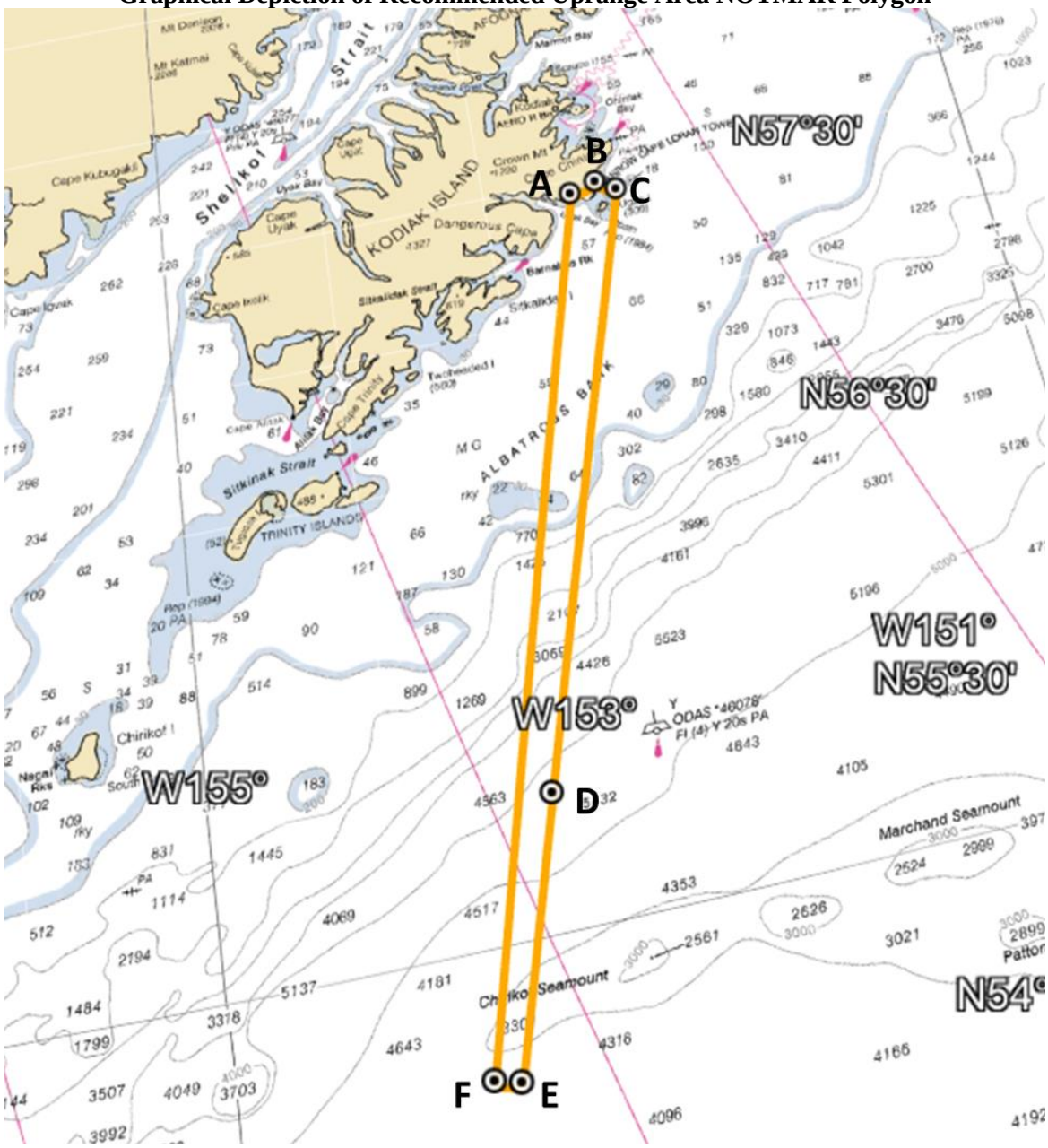
P126 MISSION LAUNCH WINDOW			
EVENT	**ZULU (UTC)**	**LOCAL DATE**	**LOCAL TIME**
Primary Launch Day	231930 MAR – 232300 MAR 2020	23 MAR 2020	1130 – 1500
Backup Day #1	241930 MAR – 242300 MAR 2020	24 MAR 2020	1130 – 1500
Backup Day #2	251930 MAR – 252300 MAR 2020	25 MAR 2020	1130 – 1500
Backup Day #3	261930 MAR – 262300 MAR 2020	26 MAR 2020	1130 – 1500
Backup Day #4	271930 MAR – 272300 MAR 2020	27 MAR 2020	1130 – 1500

PSCA is not requesting USCG air support nor USCG water support for this mission.

Alaska Aerospace respectfully recommends implementing a simplified 6-point polygon which encompasses the hazard area:

P126 RECOMMENDED NOTMAR POLYGON FOR UPRANGE AREA				
	LATITUDE		LONGITUDE	
POINT	DEG		DEG	
A	57.4339	N	152.4657	W
B	57.4604	N	152.3022	W
C	57.4151	N	152.1842	W
D	55.4032	N	153.1767	W
E	54.5740	N	153.5618	W
F	54.5948	N	153.6933	W
A	57.4339	N	152.4657	W

Graphical Depiction of Recommended Uprange Area NOTMAR Polygon

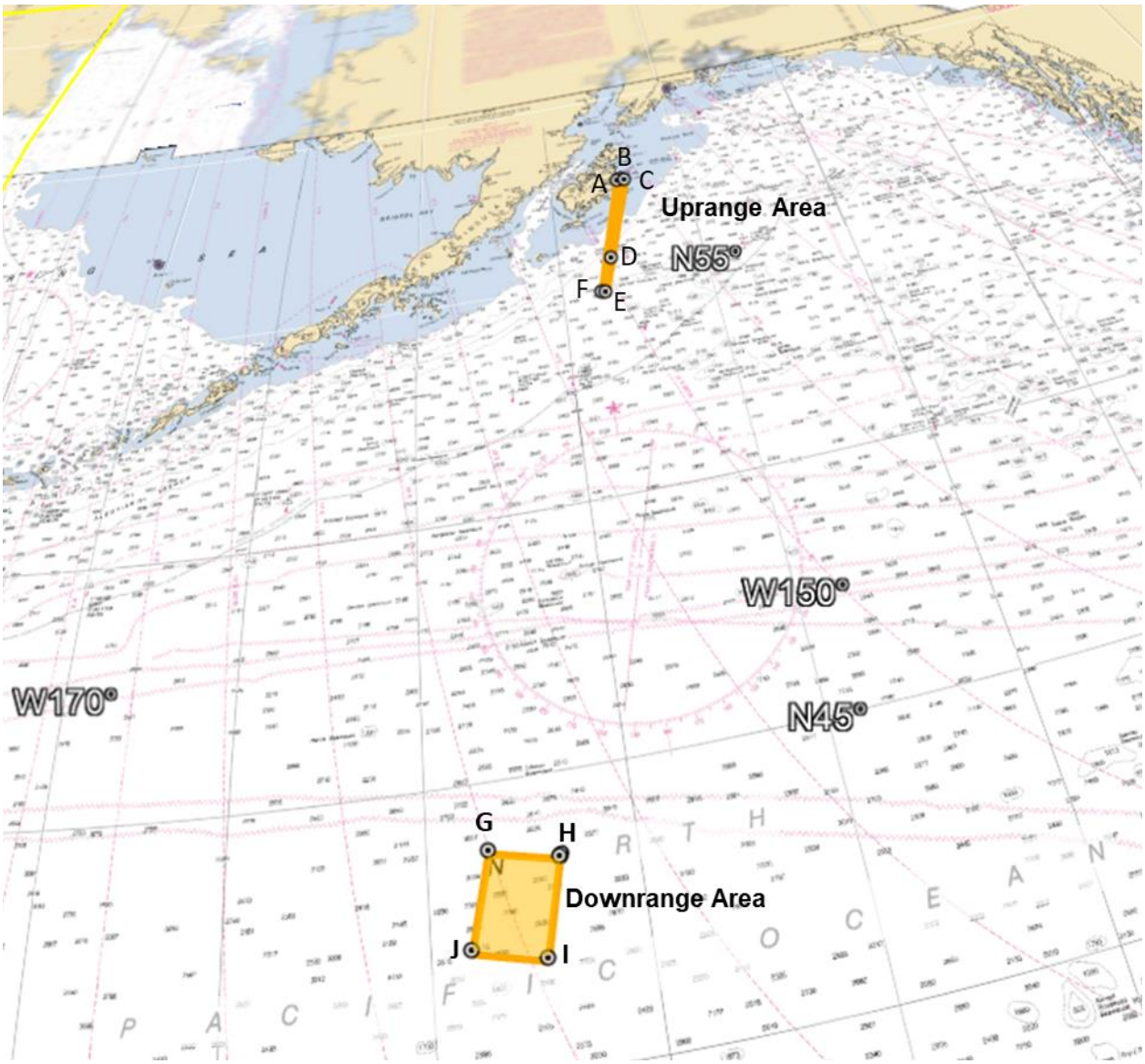


The launch vehicle operator provided downrange hazard area is a simple 4-point polygon. As such, Alaska Aerospace recommends using it as provided:

P126 RECOMMENDED NOTMAR POLYGON FOR DOWNRANGE AREA				
	LATITUDE		LONGITUDE	
POINT	DEG		DEG	
G	43.75453	N	158.51175	W
H	43.46905	N	156.85116	W
I	41.81079	N	157.35527	W
J	42.12613	N	159.06034	W
G	43.75453	N	158.51175	W

The following graphic provides a representative view of the water affected area for both areas.

Graphical Depiction of Uprange and Downrange Areas



AAC respectfully requests the USCG issue Local Notice to Mariners / NOTMAR to inform all ships of the hazardous operations and to remain clear of this area for the duration of operations. Potential hazard risks are blast and debris, which are best managed by rerouting to stay out of the area.

The Primary POC is the PSCA Spaceport Manager:
Robert Green, robert.greene@akaerospace.gov, office: 907-743-3539, cell: 907-229-2007.

The Secondary POC is the PSCA Ground Safety Officer (GSO):
Paul Pena, paul.pena@akaerospace.gov, work (during launch operations): office: 907-743-3525, cell: 907-942-4485.

The GSO will keep you apprised of any changes to the planning for this mission and status during conduct of launch operations.

Please let us know if you need additional information. Thank you.

Respectfully,

Robert Greene
PSCA Spaceport Manager
Email: robert.greene@akaerospace.gov
Office: 907-743-3539

RESEARCH EQUIPMENT IN WATER

Bering Sea, Alaska
March 15st to April 30th, 2020

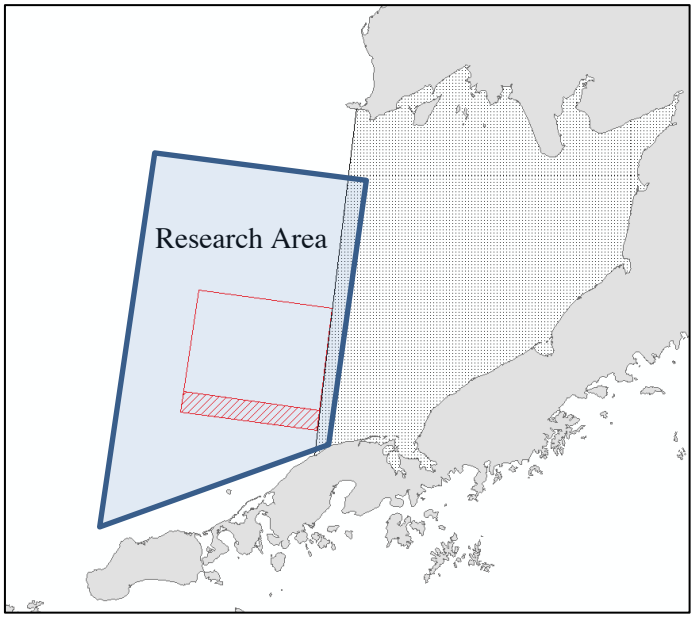
SAILDRONE, INC. will operate two Unmanned Surface Vehicles called Saildrones, to study red king crab, in Bering Sea waters between Cape Newenham and Unimak Island. They will be launched and recovered from Dutch Harbor.

Research details can be found online at:
https://www.fisheries.noaa.gov/feature-story/saildrone-fleet-set-track-alaska-red-king-crab
http://www.bsfrf.org/whats_new.php

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 Reflector: Yes**
- **Notation: "Saildrone"**
- **Length: 23 ft & Width: 2 ft**
- **Height: 16 ft above water line**
- **Draft: 6 ft, Avg. speed: 3 kts**
- **GPS / AIS / Cameras: Yes**



SAILDRONE MISSION CONTROL
(510) 722-6070
missioncontrol@saildrone.com

SCIENCE CONTACTS

Leah Zacher (NOAA)
(907) 481-1730
leah.zacher@noaa.gov

Scott Goodman (BSFRF)
(206) 285-3480
sgoodman@nrccorp.com

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

NOTICE TO MARINERS

Issued By:

CENTER FOR OPERATIONAL OCEANOGRAPHIC
PRODUCTS & SERVICES

1305 East-West Highway, N/OPS3
Silver Spring, MD 20910-3281
301-713-2815
Tide.Predictions@noaa.gov
<https://tidesandcurrents.noaa.gov>

NOAA is Discontinuing the Printed Tide Tables and Tidal Current Tables After 2020.

NOAA is ending the production of the printed Tide Tables and Tidal Current Tables publications. The 2020 Tide Tables and Tidal Current Tables, released for distribution and available as PDF files from https://tidesandcurrents.noaa.gov/historic_tide_tables.html, are the final printed editions.

NOAA is discontinuing the production of these annual publications due to: (a) recent changes by the U.S. Coast Guard in the interpretation of the requirements for predictions, no longer requiring these publications in paper format and (b) the availability of online and electronic services providing tide and tidal current predictions which meet the U.S. Coast Guard requirements for navigation, and support other activities along the U.S. coast.

Tide and Tidal Current predictions are available through NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) online services:

- NOAA Tide Predictions: https://tidesandcurrents.noaa.gov/tide_predictions.html
- NOAA Current Predictions: https://tidesandcurrents.noaa.gov/noaacurrents/Regions

These online services provide predictions which equal or exceed the accuracy and availability of the predictions at domestic locations provided through printed publications, and provide additional capabilities allowing the predictions to better meet a variety of user needs. These online services provide predictions for the U.S. coasts. International predictions will not be available from the online services. Predictions for countries outside the U.S. may be obtained through the Oceanographic / Hydrographic agency in that country.

Contact NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) with questions or for further information.
E-mail: Tide.Predictions@noaa.gov
Phone: 301-713-2815

Issued: March 16, 2020

Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook.

PART 26—VESSEL BRIDGE-TO-BRIDGE RADIOTELEPHONE REGULATIONS

■ Revise the authority citation for part 26 to read as follows:
Authority: 14 U.S.C. 2, 33 U.S.C. 1201–1208; Pub. L. 107–295, 116 Stat. 2064; Department of Homeland Security Delegation No. 0170.1; Rule 1, International Regulations for the Prevention of Collisions at Sea.

§ 26.08 [Amended]
■ In § 26.08(a), remove the text ‘‘Marine Safety, Security and Environmental Protection’’ and add, in its place, the text ‘‘Prevention Policy’’.

PART 80—COLREGS DEMARCATION LINES

■ In § 80.750, revise paragraphs (b) and (f) to read as follows: § 80.750 Sanibel Island, FL to St. Petersburg, FL.
* * * * *
(b) A line drawn across the Charlotte Harbor entrance from position latitude 26°42.18′ N, longitude 070°41.2′ W to Port Boca Grande Light.
* * * * *
(f) A line drawn from position latitude 27°17.89′ N, longitude 082°33.55′ W to the southernmost extremity of Lido Key (position latitude 27°17.93′ N, longitude 082°33.99′ W).
* * * * *
■ In § 80.753, revise paragraphs (a) and (d) to read as follows: § 80.753 St. Petersburg, FL to the Anclote, FL.

(a) A line drawn across Blind Pass, from the seaward extremity of the Long Key jetty to the seaward extremity of the Treasure Island jetty.
* * * * *
(d) A line drawn from the northernmost extremity of Honeymoon Island to Anclote Anchorage South Entrance Light 3; thence to Anclote Key position latitude 28°10.0′ N longitude 082°50.6′ W; thence a straight line to position latitude 28°11.11′ N, longitude 082°47.91′ W.

§ 80.810 [Amended]
■ 8. In § 80.810, remove paragraphs (c) and (d); and re-designate paragraphs (e) through (h) as paragraphs (c) through (f).

PART 81—72 COLREGS: IMPLEMENTING RULES

§ 81.3 [Amended]
■ In § 81.3, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 81.5 [Amended]
■ In § 81.5(a) introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 81.9 [Amended]
■ In § 81.9 introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

PART 83—NAVIGATION RULES

§ 83.24 [Amended]
■ In § 83.24(h), after the words ‘‘exhibit the lights’’, add the words ‘‘or shapes’’.

§ 83.26 [Amended]
■ In § 83.26(f)(i), remove the word ‘‘around’’ and add, in its place, the word ‘‘round’’; in § 83.26(f)(ii)(2)(B), remove the text ‘‘(a)’’ and add, in its place, ‘‘(f)(ii)(1).’’

§ 83.27 [Amended]
■ In § 83.27(d)(iv)(1)(B) and (d)(iv)(2)(A), remove the word ‘‘around’’ and add, in its place the word ‘‘round’’.

PART 89—INLAND NAVIGATION RULES: IMPLEMENTING RULES

§ 89.3 [Amended]
■ In § 89.3, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.5 [Amended]
■ In § 89.5(a) introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.9 [Amended]
■ In § 89.9 introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.27 [Amended]
■ In the section heading to § 89.27 and paragraphs (a) and (b), remove the text ‘‘24(i)’’ and add, in its place, the text ‘‘24(j)’’.

PART 161—VESSEL TRAFFIC MANAGEMENT

§ 161.2 [Amended]
■ Amend § 161.2 as follows:
a. Remove the word ‘‘sector’’ wherever it appears, and add, in its place, the word ‘‘zone’’;
b. Add definitions in alphabetical order for ‘‘Center’’ and ‘‘Published’’;
c. In the definition of ‘‘Vessel Traffic Service Area or VTS Area’’, remove the word ‘‘sectors’’ and add, in its place, the word ‘‘zones’’; and
d. In the introductory text of the definition of ‘‘VTS User’’, remove the word ‘‘area’’ and add, in its place, the word ‘‘Area’’.

§ 161.2 [Amended]
■ Amend § 161.2 Definitions - with additions to read as follows:
* * * * *
Center means a Vessel Traffic Center or Vessel Movement Center.
* * * * *
Published means available in a widely-distributed and publicly available medium (e.g., VTS User’s Manual, ferry schedule, Notice to Mariners).
* * * * *
Under *VTS User* Re-designate (a) – (b) as (1) – (2); add (3) Equipped with a required Coast Guard type-approved Automatic Identification System (AIS).

§ 161.4 Requirement to Carry the Rules. [Amended]
■ Re-designate the note at the end of the section as Note 1 to § 161.4 and revise it to read as follows:
* * * * *
Note 1 to § 161.4: These rules are contained in the applicable U.S. Coast Pilot, the VTS User's Manual which may be obtained by contacting the appropriate VTS or downloaded from the Coast Guard Navigation Center website (https://www.navcen.uscg.gov).

§ 161.5 [Amended]
■ In § 161.5(b), remove the text ''VTS Director'' and add, in its place, the text ''VTC''.

§ 161.12 [Amended]
■ Amend § 161.12 in Table 1 to § 161.12(c) as follows:
a. In entry (10)(ii) – *Seattle Traffic*, in the ''Monitoring area'' column, remove the words ''Strait of Juan de Fuca'' and add, in their place, the words ''Salish Sea'';
b. In entry (12) – *St. Marys River*, remove the text ''Mary's'' wherever it appears and add, in its place, the text ''Marys''; and
c. In Note 6, remove the word ''sector'' and add, in its place, the word ''zone''.

§ 161.17 [Removed and Reserved]
■ Remove and reserve § 161.17.

PART 161—VESSEL TRAFFIC MANAGEMENT (continued)

§ 161.55 [Amended]
■ Amend § 161.55 by revising paragraph (c)(3) to read as follows:
§ 161.55 Vessel Traffic Service Puget Sound and the Cooperative Vessel Traffic Service for the Juan de Fuca Region.
* * * * *
(c) * * *
(3) A vessel of less than 100 meters in length is exempt from the provisions set forth in § 161.13(b)(3) of this part.
* * * * *

§ 161.70 [Amended]
■ In entry 4 to the Table to § 161.70(d) and entry 3 to the Table to § 161.70(f), remove the word ''Sector'' and add, in its place, the word ''Zone''.

Questions may be directed to the Office of Navigation Systems at CGNAV@uscg.mil .