

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

# LOCAL NOTICE TO MARINERS

**District: 17** 

Week: 14/24

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

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

Questions, comments, or additional information on this Local Notice to Mariners should be sent to the address above or by E-mail to: SMB-D17Juneau-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=InmDistrict&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, 45th Edition. U.S. Coast Pilot 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, 41st Edition.

> > BROADCAST NOTICE TO MARINERS

Navigation information previously promulgated by CG Sector Southeast Alaska Broadcast Notice to Mariners through SEAK136-24 and CG Sector Anchorage Broadcast Notice to Mariners through A051-24 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

https://www.weather.gov/marine/alaskatext

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

### I through O

### P through Z

ADRIFT - Buoy Adrift AICW - Atlantic Intracoastal Waterway I - Interrupted ICW - Intracoastal Waterway PRIV - Private Aid Q - Quick 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 FI - Flashing G - Green GIWW - Gulf Intracoastal Waterway HAZ - Hazard to Navigation HBR - Harbor HOR - Horizontal Clearance HT - Height

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

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.

### 46 ALASKA

The Coast Guard's VHF-FM Remote Fixed Facility (RFF) reception capabilities on the following site is 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: MOUNT MCCARTHUR – Cape Decision, Southern Sumner Strait, Cape Ommaney, and the vicinity of Coronation Island. DUFFIELD PENINSULA – Hoonah Sound and Peril Strait. MANLEY – Central Chatham Strait from Peril Strait to Frederick Sound. DECEPTION HILLS – The Gulf of Alaska near Cape Fairweather, Lituya Bay, and the Fairweather grounds. YAKUTAT – Gulf of Alaska near Yakutat.

CAPE GULL – Northwest Afognak Island, Cape Douglas, and Shelikof Strait to Cape Uyak.

RASPBERRY ISLAND - Western Kodiak Island, Shelikof Strait, and Kupreanof 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 Southeast Alaska Command Center at (907) 463-2980 or Sector Anchorage Command Center at (907) 428-4100. Mariners are reminded that Western and Northern Alaska 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.

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### 47 ALASKA – SOUTHEAST

Maintenance is being conducted on the following VHF/FM Hi-sites and may cause intermittent coverage lapses from 100700-101500 UTC which is 2200 Alaska time on April 9th through 0600 Alaska time on April 10th, 2024. Sites affected at various times during these maintenance windows include:

Sukkwan Island Zarembo Island Manley Cape Fanshaw Mud Bay the nearest Coast Guard Unit.

ALASKA - SOUTHEAST - GLACIER BAY - RUSH POINT

#### ALASKA - SOUTHEAST - HOLKHAM BAY 48 The following navigational aids have been commissioned for the 2024 season:

23630 Holkham Bay RRL

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51

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Gravina Island Duke Island

#### 23631 Holkham Bay B 1 23632 Holkham Bay B 2 23625 Holkham Bay RFL

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.

Mariners are requested to relay any unanswered distress calls to the Coast Guard Sector Southeast Alaska Command Center at 907-463-2980 or

Rush Point Shoal B 1 (LLNR 24220) has been commissioned for the 2024 season. Ouestions/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.

Maintenance is being conducted on the Gravina Island and Sukkwan Island VHF/FM Hi-sites and may cause intermittent coverage lapses from 0700-1500 UTC which is 2200-0600 Alaska time on April 3rd and 4th, 2024. Mariners are requested to relay any unanswered distress calls to the Coast Guard Sector Southeast Alaska Command Center at 907-463-2980 or the nearest Coast Guard Unit. LNM: 14/24

ALASKA - SOUTHWESTERN - DUTCH HARBOR A whale is entangled in lines and possibly anchored in position 53°53.298'N, 166°31.096'W. NOAA whale dis-entanglement experts are responding. Mariners are requested to provide a minimum 100 yard CPA. Questions/concerns should be directed to Sadie Wright at 907-586-7630 or by email to sadie.wright@noaa.gov.

HAZARDOUS OPERATIONS: A gunnery exercise will be conducted approximately 30NM West of Prince of Wales Island in approximate position 55°07.540'N, 1345°17.630'W from 121700-12200 UTC which is 0900-1200 Alaska time on April 12th, 2024. Danger radius is 15NM and danger altitude is 20,000 feet. Mariners are requested to remain clear during this exercise. Questions/concerns should be directed to the Coast Guard Sector Southeast Alaska Command Center at 907-463-2980 or on VHF/FM channel 16. The unit conducting the exercise will also be monitoring VHF/FM channel 16 during the exercise. LNM: 14/24

Level Island LB 11 (LLNR 22750) is adrift and the last reported location was 56°29′40″N, 133°00′53″W on March 26th, 2024. Level Island LB 11 is a green buoy with a green light flashing every 4 seconds. Mariners are requested to transit the area with caution and report any sightings to the Sector Southeast Alaska Command Center on VHF/FM channel 16 or by phone to 907-463-2980.

Dredging, pile driving and other miscellaneous marine construction will be conducted at the Port of Alaska from April 1st through October 31st, 2024. Three mooring buoys with quick flashing white lights will be established northwest of Terminal 3 in positions 61°15'3.25"N, 149°53'39.45"W; 61°15'14.56"N, 149°53'31.58"W; and 61°15'25.56"N, 149°53'33.24"W. During operations VHF/FM channel 8 will be monitored. Derrick barges will have anchors deployed and submerged anchor cables will be marked by crown buoys over each submerged anchor. Mariners are requested to maintain a minimum 1,000 foot CPA. Mariners should proceed with caution and are requested to operate at a slow speed when transiting in this area.

The Coast Guard is experiencing intermittent issues with the VHF/FM sites in Southeast Alaska. This may affect the ability of the Coast Guard to listen or respond to distress calls on VHF/FM channel 16 throughout Southeast Alaska. Mariners are requested to relay unanswered distress calls to the nearest Coast Guard unit or to the Sector Southeast Alaska at 907-463-2980.

The Coast Guard has temporarily established Orca Inlet Channel LB 12 to temporarily replace Orca Inlet Channel LT 12 in position

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ALASKA - SOUTHEAST

ALASKA - SOUTHEAST

ALASKA - SOUTHEAST - GULF OF ALASKA 52

#### ALASKA - SOUTHEAST - SUMNER STRAIT 55

#### ALASKA - SOUTHCENTRAL - COOK INLET - ANCHORAGE 56

#### ALASKA - SOUTHCENTRAL - ORCA BAY 64

#### ALASKA - SOUTHCENTRAL - COOK INLET 79

#### 83 ALASKA - SOUTHEAST - WESTERN CHANNEL Makhnati Rock LWB 2 (LLNR 25000) is missing. A red temporary replacement lighted buoy has been established in position 57°02.170'N,

ALASKA - SOUTHEAST - GASTINEAU CHANNEL - DOUGLAS 93 OBSTRUCTION TO NAVIGATION: A 22' white sailboat has sunk in Gastineau Channel off of Sandy Beach on Douglas in approximate position

Anchorage Command Center at (907) 428-4100 or on VHF/FM channel 16.

#### ALASKA - SOUTHEAST 98

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### 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 https://forums.outdoorsdirectory.com/threads/digital-selective-calling-dsc.140270/

#### ALASKA - SOUTHCENTRAL - KODIAK 115 OBSTRUCTION TO NAVIGATION: A submerged rock has been reported approximately 20' off of the K&I Pier, which is located just South of the

#### ALASKA - SOUTHEAST - YAKUTAT BAY - MONTI BAY 154

# ALASKA - SOUTHEAST - HAINES - CHILKOOT INLET

#### ALASKA - SOUTHWESTERN - ALASKA PENINSULA - BECHEVIN BAY 200

Bechevin Bay B 8 (LLNR 27290) has been relocated 136 yards to position 55°03'09.590"N, 163°25'26.656"W to best mark the channel. Mariners

Waterways Management Office at 907-463-2269 or by email to todd.r.buck@uscg.mil.

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60°37'34.074"N, 145°41'27.078"W. Mariners are requested to transit the area with caution. Questions/concerns should be directed to Todd

The U.S. Coast Guard Captain of the Port (COTP) for Western Alaska has implemented Condition A of the Operating Guidelines for Ice Conditions for the Lower Cook Inlet, effective January 24th, 2024. All vessels scheduled to arrive in areas north of Homer, AK in Cook Inlet must file a voyage plan with the COTP by email to Sector Anchorage@uscg.mil, no less than 24 hours prior to arrival at or abeam the Kachemak Bay pilot station. The Navigation Advisory containing additional details is included as an enclosure to this LNM. Questions/concerns should be directed to the Sector Anchorage Waterways Management Division during regular business hours at (907) 428-4189. After hours, contact the Sector

135°23.759'W. Mariners are requested to transit the area with caution. Questions/concerns should be directed to Todd Buck with the Coast

58°16.259'N, 134°22.227'W. Mariners are requested to transit the area with caution. Questions/concerns should be directed to the Coast

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

https://forums.outdoorsdirectory.com/threads/digital-selective-calling-dsc.140270/ or by contacting Mike Folkerts with the Coast Guard District

The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southcentral Alaska. The initial coverage areas are

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.

Star of Kodiak Pier, in approximate position 57°47.150'N, 152°24.341'W. The rock was reported struck by a vessel with a 16' draft at low tide,

reported at the location that is indicated to be 16 fathoms on the chart off of Point Carrew. Mariners are advised to transit the area with extreme caution and report any observed shoal areas that are not in agreement with the chart to Todd Buck with the Coast Guard District 17

Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscq.mil.

Guard Sector Southeast Alaska Command Center on VHF/FM channel 16 or by phone to 907-463-2980.

Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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LNM: 01/24

LNM: 51/23

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Chilkoot Inlet in position 59°14.420'N, 135°25.852'W. All vessels anchoring in the vicinity are requested to remain clear of the lost anchor.

LNM: 27/23

### 17 Boating Safety Office at (907) 463-2297 or by email to Michael.r.folkerts@uscg.mil.

ALASKA - SOUTHCENTRAL

through the Alaska Outdoors Forum at

### approximately +.085'. Mariners are requested to transit the area with extreme caution. Ouestions/concerns should be directed to the Sector Anchorage Command Center on VHF/FM channel 16 or by phone to 907-428-4100.

## Uncharted shoaling has been reported in the vicinity of Monti Bay outside of the currently charted shoal area. Shoaling to 3 feet has been

#### 196 OBSTRUCTION TO NAVIGATION: An anchor and 1 shot of chain from a 120 foot vessel was reported as lost and sitting on the sea floor in

# Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at 907-463-2980 or on VHF/FM channel 16.

#### are requested to transit the area with caution. Chart and Light List corrections will be issued once the verification process has been completed. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

ALASKA - SOUTHEAST - WRANGELL - STIKINE RIVER ENTRANCE 204 The Coast Guard received a report of a grounding due to uncharted shoaling in the vicinity of the Stikine River entrance. The grounding occurred on June 17th, 2023, in the vicinity of position 56°30.01'N, 132°27.28'W with an approximate charted depth of 140'. Mariners are advised to transit the area with extreme caution and report any observed uncharted shoaling. 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.

The U.S. Coast Guard has established a temporary mooring buoy in the cove where the Auk Recreation area is located between Point Louisa and Auke Bay in position 58°22'34.114"N, 134°43'23.448"W. The mooring buoy has been established for official use and should not be used without authorization from the Coast Guard. 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.

A 47 foot wood fishing vessel has been reported sunk in position 56°54.68'N, 132°56.69'W. Mariners are requested to transit the area with caution. Questions/concerns should be directed to the Sector Juneau Command Center at 907-463-2980. LNM: 21/23

Elovoi Island Rock DBN 1 (LLNR 24900) has been rebuilt in position 56°49'17.695"/N, 135°22'43.882"/W and is watching properly. The temporary buoy marking the rock has been removed. Chart and Light List corrections will be issued once the verification process has been completed. Mariners are advised 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.

A submerged mooring has been reported lost in 315 feet of water in position 60°30.224'N, 146°30.821'W. This mooring may be an obstruction to operations on the sea floor. Questions/concerns should be directed to Todd Buck at the Coast Guard District 17 Waterways Management Office at 907-463-2269 or by email to todd.r.buck@uscg.mil. LNM: 6/23

Sea Quester Farms has established an aquatic farm just South of Horse Island in Stephens Passage. The aquatic farm is marked by buoys and three of the buoys are currently lighted with plans to add lights to two additional buoys. The extent of the aquatic farm is: SSW - 58°14.575'N,134°43.980'W (Lighted buoy)

WSW - 58°14.587'N, 134°44.040'W (Lighted buoy) WNW - 58°14.648'N, 134°44.077'W (Lighted buoy) NNW - 58°14.684'N, 134°44.025'W (Light will be added to buoy) ENE - 58°14.674'N, 134°43.888'W ESE - 58°14.639'N, 134°43.862'W SSE - 58° 14.597'N 134° 43.887'W (Light will be added to buoy) Mariners are advised to transit the area with caution. Questions/concerns should be directed to Ilivia Duner at 530-414-3632 or by email to info@seaguesterfarms.com.

ALASKA Coast Guard District 17 is using AIS broadcasts to notify mariners of CG VHF/FM Hi-Site outages. These are geographic broadcasts that should display on properly configured, AIS equipped, chart plotters. The broadcast will display with a 40NM range ring surrounding the inoperative Hi-Site and a message stating the name of the site, it's latitude/longitude, and the telephone number of the nearest CG Command Center. An example broadcast message is "CG DECEPTION HILLS VHF SITE AT 59-05N 138-13W INOP-RELAY DISTRESS CALLS TO 9074632980". The purpose of this notification is to ensure mariners are aware of problematic VHF/FM coverage and to encourage them to relay information to the nearest CG Command Center. When relaying a distress call the most critical piece of information is an accurate position. Additional valuable information is: Nature of distress; Number of persons on board; Vessel name; On scene weather; Crew's intentions (I.E. Abandon ship, Fight the fire, ETC.). The CG Command Center may request additional information depending on the specific situation. CG VHF/FM Hi-Site outages will also be listed in each weekly Local Notice to Mariners, announced over nearby Hi-Sites by Broadcast Notice to Mariners, listed on the Coast Guard NAVCEN website at https://www.navcen.uscq.gov/broadcast-notice-to-mariners. BNM texts can also be emailed to people who request it through the NAVCEN website. Sector Juneau Command Center is 907-463-2980. Sector Anchorage Command Center is 907-428-4100. Questions/concerns should be directed to Todd Buck with the CG District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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LNM: 23/23

LNM: 17/23

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ALASKA - SOUTHEAST - AUKE BAY/AUK REC

ALASKA - SOUTHEAST - FREDERICK SOUND

ALASKA - SOUTHEAST - SITKA SOUND - DOROTHY NARROWS

ALASKA - PRINCE WILLIAM SOUND - CAPE HINCHINBROOK

ALASKA - SOUTHEAST - STEPHENS PASSAGE - HORSE ISLAND

#### ALASKA - SOUTHCENTAL - COOK INLET NAVIGATION CHANNEL 292

The U.S. Army Corps of Engineers (USACE), Alaska District conducted a project condition survey for Cook Inlet Navigation Channel on May 13th, 2022 in which the following controlling depths in feet (FT) mean lower low water (MLLW) were recorded:

Left Outside Quarter 61°12'30.93"N, 150°03'54.55"W, -39.5 FT MLLW

Left Inside Quarter 61°11'39.75"N, 150°07'00.55"W, -38.6 FT MLLW

ALASKA - SOUTHEAST - TENAKEE INLET

300

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Right Inside Quarter 61°11'37.86"N, 150°06'57.61"W, -39.4 FT MLLW

Right Outside Quarter 61°12'13.42"N, 150°04'19.01"W, -41.8 FT MLLW

ALASKA - SOUTHEAST - FRESHWATER INLET - PAVLOF HARBOR

ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND - BARRY ARM

\*\*\*\*CANCELLATION OF NOAA PAPER AND RASTER NAUTICAL CHARTS\*\*\*\*

ALASKA - SOUTHEAST - ICY STRAIT - ICY PASSAGE

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 2022. The next project condition survey for this channel is tentatively scheduled for May 2023. 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 Jeremy Allen, Operations Project Manager at 907-753-2753 or by email to jeremy.m.allen@usace.army.mil.

Tenakee Inlet Entrance LT 1 (LLNR 24065) is destroyed and has been temporarily decommissioned and Tenakee Inlet Entrance LB 1 (LLNR 24065.1) has been established in position 57°46'19.284"/N, 134°55'36.987"/W. Tenakee Inlet Entrance LB 1 is a green can buoy with a green light flashing every 4 seconds. Ouestions/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@uscq.mil.

The F/V BAILEY BAY has sunk in position 57°50.985'N, 135°01.725'W in approximately 30 feet of water. The F/V BAILEY BAY is a 33' fiberglass fishing vessel and there may be fishing gear or debris attached to or in the vicinity of the vessel. Mariners are advised to transit the area with caution.

A kelp farm has been established in Icy Passage along the North shore of Pleasant Island in approximate position 58°21'30"N, 135°32'32"W. The kelp farm is marked with two private lighted buoys. Aquatic Plant Farm LB A (LLNR 24177) is a yellow buoy with a Fl 4 second light and is located in position 58°21'16.980"N, 135°32'32.700"W. Aquatic Plant Farm LB B (LLNR 24278) is a yellow buoy with a Fl 6 second light and is located in position 58°21'47.580"N, 135°32'32.500"W. Chart and Light List corrections will be published in a subsequent LNM. Questions/concerns should be directed to Brian Delay at 907-321-1952 or by email to rainydawnfarms@gmail.com.

The State of Alaska is issuing routine updates on the Barry Arm Landslide Tsunami risk. This threat is located in Barry Arm, Northwestern Prince William Sound, and has the potential to create a tsunami when it falls into the water. It is uncertain if and when this might occur, but if it occurs localized wave heights will be very hazardous in Barry Arm and Harriman Fjord. Port Wells and Passage Canal will also see inundation and strong, unusual currents for hours following this event. The geologic makeup of the area is similar to Alaskan locations where two previous landslide caused tsunamis occurred, in Lituya Bay (1958) and Icy Bay (2015), both causing extremely large but localized tsunamis. Mariners should maintain vigilance when in the vicinity of Barry Arm or nearby waters and be prepared to depart the area if any unusual geologic activity is observed. Studies are being conducted and the situation is being monitored to allow for a better understanding of the potential results of a slide. Additional information is available at the following website: https://dggs.alaska.gov/hazards/barry-arm-landslide.html.

The National Oceanic and Atmospheric Administration (NOAA) is undertaking a multi-year program to end production and maintenance of its suite of over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChartTM PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer.

Six months notice of the intent to cancel a specific chart is provided in a "Last Edition" notice. The final cancellation of a chart is made in a "Canceled" notice. Both types of notices will appear in LNM Section IV, "Chart Correction." A comprehensive list of all canceled NOAA charts is available at: http://www.charts.noaa.gov/MCD/Dole.shtml.

Traditional paper nautical chart production is ending to enable the creation and maintenance of larger scale, more up-to-date, higher quality

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mariners. More information about NOAA's program to sunset traditional paper charts is on the NOAA Coast Survey website at: https://www.nauticalcharts.noaa.gov/charts/farwell-to-traditional-nautical-charts.html.

coverage of NOAA's electronic navigational chart (NOAA ENC®) product. This will significantly enhance the amount of charted detail available to

An online NOAA Custom Chart application at: https://devgis.charttools.noaa.gov/pod is available to create chart images from ENC data, which may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts.

SAFETY NOTICE - NAVIGATIONAL RANGE AND SECTOR LIGHTS ON ELECTRONIC CHARTS 342 The U.S. Coast Guard has become aware that the Range and Sector Light Characteristic labels are not displayed on Electronic Navigational Charts (ENCs) when used in an Electronic Chart Display and Information System (ECDIS) due to limitations of the S-52 ECDIS display specification. Mariners may guery the ENC data directly within ECDIS or refer to the Light List for complete information on Range and Sector Light Characteristics.

ALASKA - SOUTHEAST - NECKER ISLANDS - HOT SPRINGS BAY 360 A 32' Sailboat has been reported sunk in Hot Springs Bay in approximate position 56°50.252'N, 135°23.574'W in approximately 84 feet of water. The sailboat has an estimated mast height of up to 50'. 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@uscq.mil.

OBSTRUCTION TO NAVIGATION: A 94 foot tug has been reported sunk in the vicinity of Butterworth Island in approximate position 56°32.586'N. 133°03.855'W. Vessels transiting in the vicinity are requested to remain clear of the reported wreck. Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at 907-463-2980 or on VHF/FM channel 16.

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 may use high frequency (HF) radiotelephone or DSC in the 4, 6, 8, and 12 MHz distress or calling bands. On February 7th, 2022, the U.S. Coast Guard will discontinue monitoring high frequency (HF) voice for all existing regions with the exception of Kodiak, Alaska, and Guam. All existing regions will also continue monitoring high frequency (HF) DSC in the 4, 6, 8, and 12 MHz distress or calling bands. Mariners may also use cellular, satellite or other methods of communications to speak directly to the nearest Coast Guard Command Center. Additional information concerning U.S. Coast Guard HF watchkeeping is posted on the U.S. Coast Guard's Navigation Center website (https://www.navcen.uscq.gov/?pageName=cgcommsCall). The three U.S. Coast Guard Command Centers (CC) located in Alaska are: CG Sector Juneau CC, 907-463-2980; CG Sector Anchorage CC, 907-428-4100; CG District 17 CC, 907-463-2000. Questions/concerns should be directed to

ALASKA - SOUTHCENTRAL - KODIAK ISLAND 514 A Waverider buoy approximately 29 nautical miles southeast of the City of Kodiak, Alaska in position 57º 28.8' N, 151º 42.0' W, has been decommissioned. The mooring remains on site and is marked with a cluster of unlit white floats. The mooring will be removed as operations permit. 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@uscq.mil.

Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

The Moser Bay Coast Guard Mooring Buoy (LLNR 22329) is missing and may be submerged and attached/entangled with a sunken vessel in the vicinity of its charted position. Mariners should transit the area with extreme caution because it may be suspended subsurface at an unknown depth. Ouestions/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.

Klag Bay Entrance DBN 1 (LLNR 25335) has been rebuilt in position 57°36'42.318"/N, 136°06'08.130" W and is watching properly. Chart and Light List corrections will be issued once the verification process has been completed. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

OBSTRUCTION TO NAVIGATION: A 6' by 6' by 15' metal tower is partially submerged in the Yukon River in position 62°35.55'N, 164°54.48'W. Mariners are requested to transit the area with caution and make sighting reports to the Coast Guard Sector Anchorage Command Center at (907) 428-4100 with any updated positions.

LNM: 09/21

LNM: 39/22

LNM: 36/22

LNM: 34/22 ALASKA - U.S. COAST GUARD MEDIUM FREQUENCY (MF) AND HIGH FREQUENCY (HF) DISTRESS WATCHKEEPING

LNM: 40/21

LNM: 50/21

LNM: 38/21

LNM: 37/21

LNM: 28/21

ALASKA - SOUTHEAST - DUNCAN CANAL - BUTTERWORTH ISLAND

ALASKA - SOUTHEAST - BEHM CANAL - MOSER BAY

#### 522 ALASKA - SOUTHEAST - KLAG BAY

ALASKA - WESTERN - YUKON RIVER 551

#### 557 A potential obstruction to navigation exists in the Naknek River in position: 58°42.772'N, 157°02.045'W. A large metal ramp has been reported to

### Bailey Ledge LT (LLNR 27505) in Captain's Bay has been temporarily replaced with an unlit red buoy in position 53°51.603'N, 166°33.103'W. 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.

### The BAKER OIL PLATFORM warning lights (LLNR 26361) in position 60°49'45.390"N, 151°29'00.010"W and the DILLION OIL PLATFORM warning lights (LLNR 26361.5) in position 60°44'07.340"N, 151°30'42.610"W are experiencing intermittent outages. Mariners are requested to transit the

(907) 428-4189.

ALASKA

661

#### priority of the messages being broadcast from them. All information broadcast by AIS will also be published by the more conventional methods of BNM and LNM. Feedback is desired and should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at

#### ALASKA - SOUTHEAST - DIXON ENTRANCE 782 Tree Point LT (LLNR 21840) has been relocated to a new steel structure approximately 100 yards Southeast of the existing lighthouse structure.

#### ALASKA - GULF OF ALASKA 918 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

#### ALASKA - SOUTHCENTRAL - SHELIKOF STRAIT - KINAK BAY 930 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

#### 937 ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND - UNAKWIK INLET

#### ALASKA - SOUTHEAST - WRANGELL NARROWS 939 OSTRUCTION TO NAVIGATION: The P/C HEATHER ANN has sunk in Wrangell Narrows on the East side of the channel approximately 330 yards

#### ALASKA - SOUTHEAST - FRESHWATER BAY 946

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.

LNM: 27/21

LNM: 23/21

LNM: 08/21

LNM: 43/20

LNM: 25/19

ALASKA - BRISTOL BAY - NORTHEAST KVICHAK BAY - NAKNEK RIVER

### the object. Questions/concerns should be directed to Sector Anchorage Command Center at (907) 428-4100. 573 ALASKA - ALEUTIAN ISLANDS - UNALASKA - CAPTAIN'S BAY

#### ALASKA - COOK INLET 628

(907) 463-2269 or by email to todd.r.buck@uscg.mil.

Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil. LNM: 11/20

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

be visible during low tide and completely submerged during high tide. All mariners should utilize caution and avoid transiting in close proximity to

area with caution. Questions/concerns should be directed to Sector Anchorage Waterways Management at anchorage.waterways@uscq.mil or

The Coast Guard will be using AIS Broadcasts to relay some marine information, primarily ATON Discrepancies, VHF/FM Hi-site outages, active subsistence whaling, Gunnery and Pyrotechnics Exercises, and similar Notices directly relating to safe navigation. The Coast Guard's access to AIS transmitters is limited so not all areas might be covered at any given time and the locations of the active transmitters will be determined by the

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

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

Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil. LNM: 25/19

changes in position to the Coast Guard Sector Juneau on VHF/FM channel 16 or by phone to (907) 463-2980.

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

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

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

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### 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.

ALASKA - SOUTHEAST - FARRAGUT BAY - FRANCIS ANCHORAGE

ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND - ESTHER ISLAND

ALASKA - SOUTHWESTERN - ALEUTIAN PENINSULA - BECHEVIN BAY

ALASKA - SOUTHEAST - ICY STRAIT - NORTH INIAN PASSAGE

ALASKA - CENTRAL - BETHEL

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

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.

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

ALASKA - ALEUTIAN ISLANDS - AKUTAN ISLAND - AKUTAN HARBOR 972 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.

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.

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.

ALASKA - ALEUTIAN ISLANDS - ADAK - SWEEPER COVE 988 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.

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

LNM: 24/19

LNM: 34/18

LNM: 03/18

LNM: 36/17

LNM: 20/13

LNM: 17/18

### **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.

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
984	NOAA Data Lighted Buoy 46001	ADRIFT	16013		50/21	
984.15	NOAA Data Lighted Buoy 46085	MISSING	16016	A121-23	29/23	
985	Cape Muzon Light	LT EXT	17400	J329-23	46/23	
1030	Cape Edgecumbe Light	LT EXT	17320	J099-23	14/23	
1105	Cape St. Elias Buoy 2	MISSING	16016	A175-23	41/23	
1131	NOAA Data Lighted Buoy 46061	MISSING	16700	A234-23	52/23	
1150	Seal Rocks Light	DAYMK MISSING	16680		44/21	
1230	Cape Sarichef Light	LT EXT	16520	A171-23	40/23	
1235	Billings Head Light	DAYMK DMGD	16520	A199-23	46/23	
1240	North Head Light	DAYMK DMGD	16520	A198-23	46/23	
1260	Cape Greig Light	LT EXT/DAYMK DMGD	16011	A100-21	37/21	
1285	Cape Mohican Light	LT EXT	16006	A076-22	33/22	
21850	Cape Chacon Light	DAYMK DMGD	17420	J095-22	31/22	
22040	Nichols Passage East Channel Daybeacon 2	STRUCT DEST		J130-22	41/22	
22065	Metlakatla Boat Harbor Light 2	DAYMK DMGD	17420	J299-23	42/23	
22070	Metlakatla Inner Harbor Daybeacon 3	DAYMK DMGD	17420	J299-23	42/23	
22125	Walden Rock Light 6	REDUCED INT/STRUCT DMGD	17420	J292-23	42/23	
22150	California Rock Lighted Buoy 3	LT EXT		J335-23	47/23	
22155	Idaho Rock Lighted Buoy 4	LT EXT		J336-23	47/23	
22190	Pennock Island Reef Lighted Buoy PR	LT EXT		J339-23	47/23	
22270	Refuge Cove Daybeacon 3	STRUCT DEST		J143-22	43/22	
22435	Meyers Chuck Buoy 3	MISSING		SEAK 054-24	07/24	
22435	Meyers Chuck Buoy 3	MISSING		J114-22	37/22	
22445	Meyers Chuck Light 4	LT EXT		SEAK 055-24	07/24	
22515	Snow Passage Lighted Buoy SP	LT EXT	17420	SEAK001	01/24	
22525	Bay Point Daybeacon BP	DAYMK DMGD	17360	J174-22	51/22	
22670	Blake Channel Light 1	STRUCT DEST/LT EXT	17360	J124-20	48/20	
22750	Level Island Lighted Buoy 11	MISSING	17360	SEAK115-24	13/24	
22863	Wrangell Narrows Daybeacon 4	STRUCT DEST		J113-21	41/21	
22875	Wrangell Narrows Tow Channel Buoy 1TC	MISSING		SEAK105-24	12/24	
22916	Wrangell Narrows Daybeacon 10A	STRUCT DEST		J128-21	47/21	
23210	Wrangell Narrows North Entrance Lighted Bell Buoy WN	LT EXT	17360	SEAK004-24	02/24	
23260	Cape Fanshaw Light	STRUCT DEST	17360	J081-22	26/22	
23280	Five Finger Light	LT EXT	17360	J010-23	02/23	
23290	The Eye Opener Light	LT EXT	17360	J165-23	26/23	
23305.1	Keku Strait Entrance Light	STRUCT DEST		J069-19	38/19	

23305.7	Keku Strait Daybeacon 10	MISSING		J148-13	32/13
23305.9	Keku Strait Daybeacon 13	STRUCT DEST		J103-15	23/15
23305.95	Keku Strait Buoy 14	MISSING		J288-23	41/23
23306	Keku Strait Daybeacon 15	STRUCT DEST		J288-23	41/23
23306.2	Keku Strait Daybeacon 18	STRUCT DEST		J288-23	41/23
23306.7	Keku Strait Daybeacon 25	STRUCT DEST		J071-20	28/20
23307.05	Keku Strait Daybeacon 31	STRUCT DEST		J072-20	28/20
23307.6	Keku Strait Daybeacon 37	STRUCT DEST		J288-23	41/23
23307.7	Keku Strait Daybeacon 39	STRUCT DEST		J074-21	26/21
23355	Portage Pass Daybeacon 11	STRUCT DEST	17360	J077-18	26/18
23510	Point Ellis Light	LT EXT	17320	J028-21	08/21
23595	Hobart Bay Light 2	DAYMK MISSING	17360	J247-23	34/23
23600	Point Gambier Light	LT EXT	17360	J362-23	51/23
23850	Sentinel Island Light	LT EXT	17300	J359-23	51/23
23945	Favorite Reef Light 2	STRUCT DEST	17300	J157-22	47/22
24220	Rush Point Shoal Buoy 1	MISSING	17300	J136-23	20/23
24260	Elfin Cove Daybeacon 5	STRUCT DEST		J017-18	36/19
24300	Lisianski Inlet Daybeacon 4	STRUCT DEST	17300	J272/23	39/23
24330	Cape Muzon Light	LT EXT	17400	J329-23	46/23
24575	Klawock Reef Lighted Buoy 1	LT EXT	17400	J017-23	03/23
24675	Cape Lynch Light	LT EXT	17400	J052-23	07/23
24790	Dry Pass Daybeacon 3	STRUCT DEST		J072-18	23/18
24910	Cape Edgecumbe Light	LT EXT	17320	J099-23	14/23
24915	Vitskari Island Light	RAC INOP	17320	J211-23	29/23
24948	Indian River Flats Lighted Buoy 2	LT EXT		J032-20	09/20
25355	Dippy Island Rock Daybeacon 3	STRUCT DEST		J112-22	35/22
25535	Johnstone Point Light	LT EXT		A073-23	17/23
25550	Hanks Island Rock Light 5	STRUCT DEST		A233-23	52/23
25575	Orca Inlet Channel Light 12	STRUCT DEST	16700	A020-24	06/24
25646	NOAA Data Lighted Buoy 46060	ADRIFT	16700	A009-23	04/23
25823	Valdez Security Zone Lighted Buoy A	LT EXT		A230-23	01/23
25824	Valdez Security Zone Lighted Buoy B	LT EXT		A231-23	52/23
25982	NOAA Data Lighted Buoy 46076	OFF STA	16700	A 023-24	07/24
25982	NOAA Data Lighted Buoy 46076	OFF STA	16700	A060-20	23/20
26000	Thumb Cove Light	DAYMK DMGD	16680	A143-23	34/23
26075	Chugach Passage Lighted Buoy 2	MISSING	16640	A047-24	13/24
26525	Koniuji Island Light 5	LT IMCH/DAYMK DMGD	16580	A218-23	50/23
26560	Hanin Rock Light	LT EXT	16580	A035-23	10/23
26910	Aiaktalik Island Light 5	DAYMK DMGD	16580	A133-20	49/20
26960	Harvester Island Spit Light 2	DAYMK DMGD	16580	A159-23	37/23
27000	Northeast Arm Light 1	STRUCT DEST	16580	A143-21	50/21
27025	Dry Spruce Island Rock Light 7	LT EXT	16580	A008-22	06/22
27030	Last Timber Point Light 6	LT IMCH/DAYMK DMGD	16580	A219-23	50/23
27095	Popof Reef Lighted Gong Buoy 5	MISSING		A221-23	50/23
27145	Arch Point Light 2	DAYMK DMGD	16540	A077-21	29/21
27150	Moss Cape Lighted Buoy 4	LT EXT	16540	A179-23	41/23
27155	Goloi Sandspit Light 3	LT EXT/STRUCT DMGD	16540	A177-23	41/23
27160	Iliasik Passage Lighted Buoy 5	LT EXT	16540	A029-23	08/23
27230	Fox Island Light	LT EXT	16520	A178-23	41/23

27	250	Bechevin Bay Entrance Buoy BB	MISSING	16520	A130-21	43/21	
27	'410	Isanotski Strait Light 3	LT EXT	16520	A222-23	50/23	
27	455	Iliuliuk Bay Entrance Lighted Bell Buoy 2	LT EXT	16500	A012-23	05/23	
27	'505	Bailey Ledge Light	LT EXT/STRUCT DMGD	16520	A122-20	43/20	
27	'542	Sweeper Cove Range Front Light	DAYMK DMGD		A223-23	50/23	
27	'827	St. George Harbor Entrance Light 1	STRUCT DEST		A118-22	42/22	
27	'872	Okwega Pass Light OP	STRUCT DEST	16240	A149-23	36/23	
27	'872	Okwega Pass Light OP	STRUCT DMGD	16240	A123-23	29/23	
DISCREP	ANCIES (FE	EDERAL AIDS) CORRECTED					
LL	NR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

### None

### DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Ch	art No.	BNM Ref.	LNM St	LNM End
22201	Bar Harbor Breakwater East Light	STRUCT DEST		J	202-15	47/15	
22202	Bar Harbor Breakwater Middle Light	STRUCT DEST		J	203-15	47/15	
22203	Bar Harbor Breakwater West Light	STRUCT DEST		J	204-15	47/15	
23908	Port Chilkoot Mooring Dolphin Lights (2)	LT EXT		J	175-14	38/14	
25822	Port Valdez Servs Dock Lights (2)	OFF STA		A	067-19	24/19	
25893	Whittier Passenger Dock Lights (2)	LT EXT		A	031-10	20/10	
26005	4th of July Channel LT 1	STRUCT DEST		A	097-23	23/23	
26010	Seward Marine Dock Light	LT EXT				20/22	
DISCREPANCIE	ES (PRIVATE AIDS) CORRECTED						
LLNR	Aid Name	Status	Ch	art No.	BNM Ref.	LNM St	LNM End
None							
	SCREPANCIES						
Name	Status		Position		BNM Ref.	LNM St	LNM End
None							
PLATFORM DI	SCREPANCIES 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
22329	Moser Bay Coast Guard Lighted Mooring Buoy	DISCONTINUED	17420		14/24
23355	Portage Pass Daybeacon 11	TRUB	17360	J093-18	30/18
23790	Horse Shoal Light 1	DISCONTINUED	17300	J102-19	51/19
23945	Favorite Reef Light 2	DISCONTINUED	17300	J152-23	24/23
24065	Tenakee Inlet Entrance Light 1	DISCONTINUED	17300	J172-22	50/22
24957	Mitchell Rock Daybeacon	DISCONTINUED		J022-17	04/17

	25000	Makhnati Rock Lighted Whistle Buoy 2	TRLB	17320	SEAK022-24	04/24	
	25025.5	Japonski Island Daybeacon 2	DISCONTINUED	17320	J196-16	49/16	
	25647	NOAA Data Lighted Buoy 46081	DISCONTINUED	16700	A126-19	46/19	
	25805	Port Valdez Coast Guard Mooring Buoy	DISCONTINUED		A095-18	33/18	
TEMPOR	RARY CHAN	GES CORRECTED					
	LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
None							
PLATFO	RM TEMPOR	ARY CHANGES					
Nar	ne	Status		Position	BNM Ref.	LNM St	LNM End
None							
PLATFO	RM TEMPOR	ARY CHANGES CORRECTED					
Nar	ne	Status		Position	BNM Ref.	LNM St	LNM End
None							
		SECTION IV -	CHART CORRE	CTIONS			
It is up to Chart Number   . 12327	ion contains c the mariner t Chart Edition I . 91st Ed.	an contains corrections to federally and private         corrective actions affecting chart(s).         dots affecting	ons appear numerically to The following example en Ital Source of Reference Correctio	by chart number, and xplains individual eler	pertain to that cha nents of a typical	art only.	tion.
Ma (Temp) Corre	ain Panel 224 ADD NA I.Gree	5 NEW YORK HARBOR TIONAL DOCK CHANNEL BUOY 3 in can I Object of Corrective Action	CGD01 at 40-41 I . Position	I-09.001N 074-02-4	3.001W		
Bearings 50 ChartTi	of light sector 9th t/e: North Pac	he chart correction action is temporary in nat rs are toward the light from seaward. The no Ed. 01-DEC-15 Last LNM: 34/ cific Ocean (eastern part) Bering Sea Cont 2400 NORTH PACIFIC OCEAN EASTERN	minal range of lights is e 22 NAD 83 tinuation	ngs are given in degre expressed in nautical	ees clockwise fror miles (NM) unless	n 000 true. <u>s otherwise r</u>	noted. 14/24
	LAST EDITIO	N No new editions of chart 50 will be publish Sep-24. Comparable or larger scale Electr coverage is available. See "Cancellation of Nautical Charts" in Section I of this LNM fi NOAA charts is at https://www.charts.noa	onic Navigational Chart ( f NOAA Paper and Raste or details. A list of all ca	(ENC) r			
	tle: West Coa	h Ed. 01-DEC-15 Last LNM: 34/ ast Of North America Dixon Ent To Unima 2402 W. COAST OF N. AMERICA DIXON I	ak Pass	•			14/24
	LAST EDITIO	N No new editions of chart 500 will be publi Sep-24. Comparable or larger scale Electr coverage is available. See "Cancellation of Nautical Charts" in Section I of this LNM f NOAA charts is at https://www.charts.noa	onic Navigational Chart ( f NOAA Paper and Raste or details. A list of all ca	(ENC) r			
	tle: North Pa	h Ed. 01-JUN-09 Last LNM: 31/. cific Ocean West Coast Of North America 650 MEXICAN BORDER TO DIXON ENTR	Mexican Border To Di				14/24

				NOS	
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513 10th ChartTitle: Bering Sea		Last LNM: 26/22	NAD 83		14/24
Main Panel 24	03 BERING SEA SOUT	HERN PART Page/	Side: -	NOS	
LAST EDITION	No new editions of chart Sep-24. Comparable or la coverage is available. Se Nautical Charts" in Sectio NOAA charts is at https:/	arger scale Electronic Na e "Cancellation of NOAA on I of this LNM for deta	avigational Chart (ENC) Paper and Raster ils. A list of all canceled		
514 9th E ChartTitle: Bering Sea		Last LNM: 01/18	NAD 83		14/24
Main Panel 24	04 BERING SEA NORTH	ERN PART Page/S	ide: -	NOS	
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16003 19th ChartTitle: Arctic Coa	••••••	Last LNM: 48/18	NAD 83		14/24
ChartTitle: Arctic Coa	••••••		NAD 83	Noc	14/24
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16011 ChartTitle:	39th Ed.	01-DEC-15	Last LNM: 19/22 nds to Seguam Pass	NAD 83			14/24
			A & ALEUTIAN ISLANDS	- SEGUAM PASS. P	0		
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	24th Ed. Ileutian Islands Am			NAD 83			14/24
Mair	Panel 2416 AMU	(TA ISLAND TO	OATTU ISLAND. Page/Si	de: A	NOS		
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	10th Ed. Vrangell Harbor an	•••	•	NAD 83			14/24
	EDITION No new 05-Jun-2 (ENC) co Nautical	editions of chart 24. Comparable overage is availa Charts" in Sectio	R AND APPROACHES. I 17384 will be published. I or larger scale Electronic N ble. See "Cancellation of N on I of this LNM for details //www.charts.noaa.gov/MG	It will be canceled on lavigational Chart IOAA Paper and Raster A list of all canceled	NOS 		
			OIL RIG	MOVEMENT			
				Vessels Removed	_	_	
<u>Latitude</u> None	Longitude	Block	<u>Rigs/Vessel</u>	<u>Chart</u>	Туре	Status	
			Drill Rigs/V	essels Established			
<u>Latitude</u> None	Longitude	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Туре</u>	<u>Status</u>	
This sect	ion contains advanc	e notice of appro Mar	SECTION V - ADV oved projects, changes to iners are advised to use co	aids to navigation, or u	upcoming tempo these areas.	prary changes such as	dredging, etc.
			SUMMARY OF ADVAN	CED APPROVED PR	OJECTS		
<u>Approved Pr</u> None	oject(s)					Project Date	<u>Ref. LNM</u>
Advance Not							
	LASKA – SOUTHE						
red flash		4s). Questions/	ade Japonski Island Buoy concerns should be directe r.buck@uscg.mil.				Management

### 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

55°34.151'N, 131°40.516'W. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management

Closing

Docket No.

LNM: 14/24

LNM: 46/23

LNM: 26/18

Ref. LNM

# Proposed Change Notice(s)

Proposed Project(s)

None

120

59

60

61

159

#### ALASKA - SOUTHEAST - MOSER BAY 53 The Coast Guard is considering relocating Moser Bay Coast Guard Mooring Buoy (LLNR 22329) 400 yards NW to approximate position

### ALASKA - SOUTHEAST - STEPHENS PASSAGE The Coast Guard is proposing to publish on charts and in the Light List an obscured sector for Five Finger Light (LLNR 23280). The obscured sector is from 332° - 352° true. This obscured sector currently exists for the aid. Mariners with comments or concerns are requested to contact Todd Buck with the Coast Guard District 17 Waterways Management Office at 907-463-2269 or by email to todd.r.buck@uscg.mil.

Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

### 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

ALASKA - SOUTHCENTRAL - COOK INLET - HOMER HARBOR

ALASKA - SOUTHWESTERN - BRISTOL BAY - NUSHUGAK BAY - DILLINGHAM

ALASKA - SOUTHEASTERN - LISIANSKI INLET

## **SECTION VII - GENERAL**

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.

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

#### ALASKA - WESTERN - NORTON SOUND - NOME HARBOR 58 Alaska Marine Excavation, LLC. will be conducting dredging operations in the Nome Inner and Outer Harbor and Entrance Channel commencing at the ice-out, operating 24 hours a day, 7 days a week and concluding by July 25th, 2024. The dredge ALASKAN HAWK is a 75' cutter head suction dredge, red and black in color, with a partially submerged pipeline. The pipeline will be marked where it exits the harbor on the beach and the pipeline's anchors will be marked by buoys. The dredge ALASKAN HAWK and tug Oosik will be working on VHF/FM channel 79 and monitoring VHF/FM channels 13 and 16. Questions/concerns can also be directed to Brok Shafer with Alaska Marine Excavation, LLC at (907) 399-4549 or by email to brok@akmx.com.

Alaska Marine Excavation, LLC, will be conducting dredging operations in the Homer Harbor Entrance and USCG Hickory berth starting April 15 2024 thru May 1st 2024 and resuming on September 1st 2024 thru October 11th, 2024. Dredging operations will continue 24 hours a day. The dredge COMMANDER is a 58' cutter head suction dredge, red and yellow in color, with a partially submerged pipeline. The pipeline will be marked where it exits the harbor on the beach and the pipeline's anchors will be marked by buoys. The dredge COMMANDER and tug Growler will be working on VHF/FM channel 79 and monitoring VHF/FM channels 13 and 16. Questions/concerns can also be directed to Brok Shafer with Alaska Marine Excavation, LLC at (907) 399-4549 or by email to brok@akmx.com.

ALASKA – SOUTHCENTRAL – COOK INLET – NINILCHIK HARBOR Alaska Marine Excavation, LLC. will be conducting dredging operations in the Ninilchik Harbor commencing at the ice-out, operating 24 hours a day, 7 days a week and concluding by May 15th, 2024. The dredge COMMANDER is a 58' cutter head suction dredge, red and yellow in color, with a partially submerged pipeline. The pipeline will be marked where it exits the harbor on the beach and the pipeline's anchors will be marked by buoys. The dredge COMMANDER will be working on VHF/FM channel 79 and monitoring VHF/FM channels 13 and 16. Questions/concerns can also be directed to Brok Shafer with Alaska Marine Excavation, LLC at (907) 399-4549 or by email to brok@akmx.com.

Alaska Marine Excavation, LLC. will be conducting dredging operations in the Dillingham Harbor commencing approximately May 10th, 2024 operating 24 hours a day, 7 days a week and concluding by June 25th, 2024. The dredge ALASKAN EAGLE and the tug LEROY will be working on VHF/FM channel 79 and will be monitoring VHF/FM channels 13 and 16. Dredging will not impair boat traffic, but mariners should use caution, operate at no-wake speeds, and contact the dredge ALASKAN EAGLE for safe passing arrangements when transiting the area. Ouestions/concerns can also be directed to Brok Shafer at (907) 399-4549 or by email to brok@akmx.com.

LNM: 13/24

LNM: 13/24

LNM: 13/24

LNM: 13/24

### 159 ALASKA - SOUTHEASTERN - LISIANSKI INLET

The Lisianski Inlet Daybeacon 4 was destroyed. A temporary Unlighted Buoy has been relocated to 58° 02-06.520N 136° 21-54.860W to best mark waterway. Unit will plan for permanaent correction weather and operations permitting. All mariners are reminded to exercise caution when transiting the area. 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.

Chart 17300

### LNM: BNM J 273-23

		erisk *, indicates th					1011		
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure		(8) Remarks	
5575.1	Orca Inlet Channel Buoy 12	60-37-34.074N 145-41-27.078W			R	Red nun.			14/24
*	*	*	*	*	*	*		*	
			PUBLICATION	CORRE	CTIONS				
None									
			ENCLO	SURES					
	ALASKA								
	4723 Subsurface Buoys.pdf								
Cor	npilation of Subsurface and S	Surface oceanograp	ny moorings prope	erly reported	to U.S. Coa	ast Guard District 17.	LNM:	47/23	
Cor	npilation of Subsurface and s			erly reported	to U.S. Coa	ast Guard District 17.	LNM:	47/23	
		CENTRAL - COO		erly reported	to U.S. Coa	ast Guard District 17.	LNM:	47/23	
	ALASKA – SOUTH	CENTRAL – COO	KINLET	rly reported	to U.S. Coa	ast Guard District 17.			
	ALASKA – SOUTH	CENTRAL – COO	KINLET	rly reported	to U.S. Coa	ast Guard District 17.	LNM: LNM:	47/23 05/24	
	ALASKA – SOUTH	CENTRAL – COO	KINLET	rly reported	to U.S. Co	ast Guard District 17.			
Ор	ALASKA – SOUTH 0524 Lower Cook Inlet Ice.p erating Guidelines for Ice Co	CENTRAL – COO	KINLET	rly reported	to U.S. Co	ast Guard District 17.			

Daniel A. Davis Waterways Management Branch Seventeenth Coast Guard District OPERATIONAL EXCELLENCE THROUGH LEADERSHIP, TEAMWORK, AND INNOVATION. 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 <u>smb-d17juneau-Inm@uscg.mil</u> or to Todd Buck, USCG D17(dpw), at 907-463-2269 or by email to <u>todd.r.buck@uscg.mil</u>. 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 - 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
	75°06.003'N, 168°00.004'W	535 feet	142 feet	44/16	Dr. Humfrey Melling 250-363-6552
AIM16-1 NAP-20t	74°31.370'N, 161°55.880'W	5,528 feet	142 leet 141 feet	44/10	Motoyo ITOH +81-46-867-9488
			230 feet	35/22	5
AMOS-VLF-1	77°29.600'N, 140°10.800'W	12,264 feet			Craig Lee, craiglee@uw/edu
AMOS-C	76°24.800'N, 142°28.200'W	12,326 feet	131 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-NW	76°08.800'N, 145°17.000'W	12,441 feet	328 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-NE	75°46.400'N, 141°30.800'W	12,251 feet	328 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-B	75°30.000'N, 144°08.400'W	12,379 feet	328 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-SE	74°52.500'N, 143°05.200'W	12,241 feet	328 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-SW	75°13.000'N, 146°40.600'W	12,464 feet	328 feet	35/22	Craig Lee, craiglee@uw/edu
AMOS-A	74°35.300'N, 145°32.700'W	12,339 feet	131 feet	35/22	Craig Lee, craiglee@uw/edu
CANADA – ARCT	IC – 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
mito	0) 5).204 11, 150 55.279 11	154 1000	125 1001		Di. Humiley Mennig 250 505 0552
ALASKA – ARTC	IC – 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
UPE120	71°12.338'N, 148°48.018'W	400 feet	374 feet	49/17	Steve Okkonen 907-283-3234
	29'16.8864"N, 147°30'00.3528"		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		344 feet	131 feet	42/19	Motoyo ITOH +81-46-867-9488
	71°40.368'N, 154°59.923'W				•
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
Prudhoe	70°50.085'N, 146°23.564'W	207 feet	191 feet	03/22	Steve Okkonen 907-283-3234
AL23-AU-BF02	71°45.243'N, 154°28.560'W	344 feet	312 feet	40/23	Catherine Berchok 206-526-6331
AL23-AU-IC01	70°50.100'N, 163°07.540'W	148 feet	115 feet	40/23	Catherine Berchok 206-526-6331
ALASKA – ARCT	IC – CHUKCHI SEA				
india andi					
TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
Unnamed	71°14.459'N, 164°18.067'W	138 feet	Surface	28/15	Noah Lawrence 206-526-6209
2015MADIL 2	71°20 702'N 162°11 440'W	144 foot	140 foot	40/15	Cathoring Parabol: 206 526 6221

I II E/INAMIE.	TOSITION.	WATER DEI III.	TOT PLOAT DELTIT.	Kel. LINNI.	100.
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
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
AL21-AU-PH1	67°54.507'N, 168°11.926'W	171 feet	138 feet	49/21	Catherine Berchok 206-526-6331
W. Barrow Canyon	71°37.868'N, 157°19.576'W	230 feet	214 feet	03/22	Steve Okkonen 907-283-3234

### ALASKA - ARCTIC - CHUKCHI SEA (Continued)

TYPE/NAME:	POSITION:	WATED DEDTU	TOP FLOAT DEPTH:	Ref. LNM:	POC:
WhoopDeeDo	71°25.327'N, 152°44.103'W	269 feet	253 feet	03/22	Steve Okkonen 907-283-3234
AL23-AU-PB01	71°12.258'N, 157°59.970'W	161 feet	128 feet	40/23	Catherine Berchok 206-526-6331
AL23-AU-IC02	71°12.880'N, 164°14.910'W	141 feet	108 feet	40/23	Catherine Berchok 206-526-6331
AL23-AU-IC03	71°49.840'N, 166°01.090'W	144 feet	112 feet	40/23	Catherine Berchok 206-526-6331
23CKP-1A	50°50.230'N, 163°07.521'W	144 feet	115 feet	41/23	David Strausz 206-526-4510
	,				
23CKP-2A	71°12.934'N, 164°15.024'W	144 feet	118 feet	41/23	David Strausz 206-526-4510
23CKP-3A	71°49.656'N, 166°01.127'W	144 feet	121 feet	41/23	David Strausz 206-526-4510
23CKP-4A	71°02.700'N, 160°29.404'W	167 feet	135 feet	41/23	David Strausz 206-526-4510
23CKP-5A	71°12.500'N, 158°00.000'W	161 feet	141 feet	41/23	David Strausz 206-526-4510
23CKP-9A	72°28.201'N, 15634.203'W	3,018 feet	886 feet	41/23	David Strausz 206-526-4510
23CKP-12A	67°54.348'N, 168°10.853'W	190 feet	148 feet	41/23	David Strausz 206-526-4510
23CKV-12A	67°54.624'N, 168°10.875'W	190 feet	108 feet	41/23	David Strausz 206-526-4510
23CKP-15A	72°18.590'N, 167°16.250'W	157 feet	128 feet	41/23	David Strausz 206-526-4510
	· · · · · · · · · · · · · · · · · · ·				
ALASKA – WEST	ERN – KOTZEBUE SOUND				
	DOGITION				200
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 – WEST	ERN – 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
A2-21	65°46.850'N, 168°34.090'W	187 feet	49 feet	29/21	Rebecca Woodgate 206-221-3268
A3-21	66°19.640'N, 168°56.990'W	194 feet	23 feet	29/21	Rebecca Woodgate 206-221-3268
A4-21	65°44.740'N, 168°15.770'W	164 feet	49 feet	29/21	Rebecca Woodgate 206-221-3268
A4-21	05 44.740 IN, 108 15.770 W	104 1001	49 1000	29/21	Rebecca woodgate 200-221-3208
ALASKA – WESI	ERN – NORTON SOUND				
TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:	Ref. LNM:	POC:
Station-241	64°28.365'N. 165°28.525'W	66 feet	Surface	36/20	James Behrens 858-534-3032
Station-241	64°28.365'N, 165°28.525'W	66 feet	Surface	36/20	James Behrens 858-534-3032
		66 feet	Surface	36/20	James Behrens 858-534-3032
	64°28.365'N, 165°28.525'W HWESTERN – BERING SEA	66 feet	Surface	36/20	James Behrens 858-534-3032
ALASKA – SOUT	HWESTERN – BERING SEA				
	HWESTERN – BERING SEA POSITION:		Surface TOP FLOAT DEPTH:	36/20 Ref. LNM:	James Behrens 858-534-3032 POC:
ALASKA – SOUT	HWESTERN – BERING SEA POSITION:				
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W	WATER DEPTH: 126 feet	TOP FLOAT DEPTH: Surface	Ref. LNM: 25/19	POC: NOAAS FAIRWEATHER 401-378-4022
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W	WATER DEPTH: 126 feet 312 feet	TOP FLOAT DEPTH: Surface 282 feet	Ref. LNM: 25/19 28/19	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W	WATER DEPTH: 126 feet 312 feet 506 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet	Ref. LNM: 25/19 28/19 43/21	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet	Ref. LNM: 25/19 28/19 43/21 43/21	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W	WATER DEPTH: 126 feet 312 feet 506 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet	Ref. LNM: 25/19 28/19 43/21 43/21	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-UM01	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-UM01 AL22-AU-BS10	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DM01 AL22-AU-BS10 SPOT-1048 SPOT-31042C	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.151'N, 174°05.393'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23 21/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.151'N, 174°05.393'W 61°05.030'N, 170°15.850'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface 135 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-M08	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 58°24.700'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 21/23 36/23 40/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-6331
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-M08 23BS-2C	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167'23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 164°03.290'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4531 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-M08	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 33 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4531 David Strausz 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-M08 23BS-2C	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167'23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 164°03.290'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4531 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-1048 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 33 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4531 David Strausz 206-526-4510 David Strausz 206-526-4510
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ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DK01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-5A 23BS-5A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°51.983'N, 168°52.432'W 57°51.983'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.677'N, 171°42.149'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 236 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510 David Strausz 206-526-4510 David Strausz 206-526-4510 David Strausz 206-526-4510
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ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DM01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSF-5A 23BSF-5A 23BSF-5A 23BSF-5A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.151'N, 174°05.393'W 61°05.030'N, 170°15.880'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°51.983'N, 168°52.432'W 57°55.168'W, 171°42.149'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'W 62°11.895'N, 174°39.760'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
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ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DM01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSF-5A 23BSF-5A 23BSF-5A 23BSF-5A 23BSF-5A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.151'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.002'N, 174°39.760'W 62°12.002'N, 174°40.782'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet 240 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-6331 David Strausz 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DK01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-5A 23BSP-5A 23BSP-14A 23BSP-14A 23BST-8A 23BST-8A 23BSP-8A	POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 56°15.340'N, 168°17.361'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°11.532'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.677'N, 171°42.149'W 64°00.251'N, 174°39.760'W 62°12.002'N, 174°40.782'W 62°12.002'N, 174°40.782'W 62°12.002'N, 174°40.782'W 62°12.002'N, 174°40.782'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 244 feet 246 feet 138 feet 240 feet 240 feet 240 feet 240 feet 240 feet	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 203 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
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ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DM01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BSST-8A 23BST-8A 23BST-8A 23BSV-8A AL23-AU-NM01	POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.51'N, 174°01.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.677'N, 171°42.952'W 59°55.677'N, 171°42.149'W 62°12.107'N, 174°39.60'W 62°12.002'N, 174°40.782'W 62°12.002'N, 174°40.558'W 62°12.039'N, 174°40.558'W 62°12.339'N, 174°39.890'W 64°51.481'N, 168°26.882'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2A 23BS-4A 23BSP-4A 23BSP-5A 23BS-5A 23BSP-5A 23BSP-14A 23BSITAER-8A 23BST-8A 23BSV-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A	POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.51'N, 174°01.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.677'N, 171°42.952'W 59°55.677'N, 171°42.149'W 62°12.107'N, 174°39.60'W 62°12.002'N, 174°40.782'W 62°12.002'N, 174°40.558'W 62°12.039'N, 174°40.558'W 62°12.339'N, 174°39.890'W 64°51.481'N, 168°26.882'W	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 244 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2A 23BS-4A 23BSP-4A 23BSP-5A 23BS-5A 23BSP-5A 23BSP-14A 23BSITAER-8A 23BST-8A 23BSV-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.532'N, 174°11.297'W 52°11.532'N, 174°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.677'N, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.039'N, 174°39.600'W 62°12.039'N, 174°40.558'W 62°12.039'N, 174°40.558'W 62°12.039'N, 174°39.760'W 62°12.039'N, 174°40.558'W 62°12.339'N, 174°39.800'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600'S	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 243 feet 244 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BST-5A 23BS-5A 23BST-8A 23BST-8A 23BST-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A ALASKA – SOUT	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.002'N, 174°40.782'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°39.800'W 62°12.339'N, 174°39.800'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600''S	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 244 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 197 feet 203 feet 197 feet Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 21/23 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4539 Catherine Berchok 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-4A 23BSP-5A 23BSP-4A 23BSP-5A 23BSP-4A	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°39.800'W 62°12.339'N, 174°39.800'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600''S HWESTERN – UNIMAK PASS POSITION:	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 244 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet Surface 197 feet 49 feet 197 feet 203 feet 154 feet 112 feet Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 21/23 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 81/23 41/23 41/23 81/23 41/23 81	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-4530 David Strausz 206-526-4510 David Strausz 206-526-4510
ALASKA – SOUT TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BSP-4A 23BST-5A 23BS-5A 23BST-8A 23BST-8A 23BST-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A ALASKA – SOUT	HWESTERN – BERING SEA POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W 56°15.340'N, 168°17.361'W 58°24.700'N, 167°36.900'W 56°51.818'N, 164°03.693W 56°07.760'N, 168°18.767'W 53°37.870'N, 167°24.272'W 56°09.702'N, 166°34.707'W 52°12.092'N, 174°11.130'W 52°11.532'N, 174°11.297'W 52°11.51'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W 56°51.630'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.002'N, 174°40.782'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°40.588'W 62°12.339'N, 174°39.800'W 62°12.339'N, 174°39.800'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600''S	WATER DEPTH: 126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 244 feet 240	TOP FLOAT DEPTH: Surface 282 feet 505feet 166 feet 203 feet 302 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 200 feet 197 feet 49 feet 92 feet 66 feet 43 feet 197 feet 197 feet 203 feet 197 feet Surface	Ref. LNM: 25/19 28/19 43/21 43/21 20/22 25/22 25/22 21/23 21/23 21/23 21/23 36/23 40/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23 41/23	POC: NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725 David Strausz 206-526-4510 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Stephanie Grassia 206-526-4539 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Erik Oppegard 907-717-7025 Stephanie Grassia 206-526-4539 Catherine Berchok 206-526-6331 David Strausz 206-526-4510 David Strausz 206-526-4510

ALASKA – 50	UTIIWESTERN - GULF OF ALA	$\mathbf{M} = \mathbf{M} \mathbf{M} \mathbf{M} \mathbf{M}$			
TYPE/NAME: TRBM-1	POSITION: 54°42.606'N, 162°37.872'W		TOP FLOAT DEPTH: 405 feet	Ref. LNM: 48/16	POC: Chris Wilson 206-526-6435
TRBM-1 TRBM-2	54°37.151'N, 162°35.695'W	407 feet 489 feet	405 leet 487 feet	48/16	Chris Wilson 206-526-6435 Chris Wilson 206-526-6435
ALASKA – SO	UTHCENTRAL – GULF OF ALAS	SKA – ALEUTIAN	PENINSULA		
TYPE/NAME:	POSITION:	WATER DEPTH:	TOP FLOAT DEPTH:		POC:
GA23-AU-SU01	56°35.990'N, 157°00.000'W	427 feet	400 feet	41/23	Catherine Berchok 206-526-6331
ALASKA – SO	UTHCENTRAL – GULF OF ALAS	SKA – STEVENSO	N ENTRANCE		
TYPE/NAME: GA23-AU-SE01	POSITION: 58°42.540'N, 152°12.530'W	WATER DEPTH: 430 feet	TOP FLOAT DEPTH: 404 feet	Ref. LNM: 41/23	POC: Catherine Berchok 206-526-6331
ALASKA – SO	UTHCENTRAL – COOK INLET –	KAMISHAK BAY	Z		
TYPE/NAME:	POSITION:	WATER DEPTH	TOP FLOAT DEPTH:	Ref LNM	POC:
	59°16'34.5168"N, 154°07'03.6837"		13 feet	03/18	Jason Crockett 907-315-6513
ADCP-B	59°15'24.7255"N, 154°02'45.7066"		39 feet	03/18	Jason Crockett 907-315-6513
ALASKA – SO	UTHCENTRAL – GULF OF ALAS	SKA			
	DOCITION			DCINN	POG
TYPE/NAME: UAF GAK4M	POSITION: 59°24.231'N, 149°00.731'W	656 feet	TOP FLOAT DEPTH: 328 feet	45/16	POC: Dr. Andrew McDonnell 907-474-7529
WAVE YB-1	59°27'22.248"N, 139°45'02.088"W		Surface	29/17	Jeremy Kasper 907-371-6510
WAVE YB-2	59°26'58.7349"N, 139°47'46.3194"		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
AOOS-204	59°35.850'N, 151°49.746'W	111 feet	Surface	32/21	James Behrens 858-534-3032
GA23-AU-BT01	57°01.760'N, 152°59.690'W	253 feet	230 feet	34/23	Catherine Berchok 206-526-6331
GA23-AU-SN01	·	1,375 feet	243 feet	34/23	Catherine Berchok 206-526-6331
GA23-AU-CR01		1,319 feet	233 feet	34/23	Catherine Berchok 206-526-6331
GA23-AU-SM0	·	433 feet	400 feet	38/23	Catherine Berchok 206-526-6331
GA23-AU-PT01		2,438 feet	233 feet	38/23	Catherine Berchok 206-526-6331
23CB-1A 23SH-1A	57°43.456'N, 152°17.001'W	545 feet 256 feet	472 feet 203 feet	41/23 41/23	David Strausz 206-526-4510 David Strausz 206-526-4510
23UPP-3A	54°51.177'N, 158°59.481'W 54°18.402'N, 164°45.130'W	256 feet	203 leet 217 feet	41/23	David Strausz 206-526-4510 David Strausz 206-526-4510
ALASKA – SO	UTHCENTRAL – GULF OF ALAS	SKA – RESURREC	TION 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		66 feet	13/19	Peter Shipton 907-224-4319
ALASKA – SO	UTHCENTRAL – PRINCE WILLI	AM SOUND			
TYPE/NAME:	POSITION:	WATER DEPTH	TOP FLOAT DEPTH:	Ref I NM·	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 364 feet	209 feet 348 feet	11/14 11/14	Mary Anne Bishop 907-424-5800 x228
LHRT2 LHRT3	60°22.6482'N, 147°50.7522'W 60°22.668'N, 147°50.5116'W	382 feet	366 feet	11/14	Mary Anne Bishop 907-424-5800 x228 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 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 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		7 feet (Surfacing 2X per d		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 Bishon 907-424-5800 x228

806 feet

818 feet

842 feet

906 feet

896 feet

909 feet

935 feet

1007 feet

H06

H07

H08

H09

60°19.812'N, 146°47.418'W

60°19.668'N, 146°48.138'W

60°19.470'N, 146°48.954'W

60°19.320'N, 146°49.782'W

09/17

09/17

09/17

09/17

Mary Anne Bishop 907-424-5800 x228

Mary Anne Bishop 907-424-5800 x228 Mary Anne Bishop 907-424-5800 x228

Mary Anne Bishop 907-424-5800 x228

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

### ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND (Continued)

TYPE/NAME:	POSITION:	<b>WATER DEPTH</b>	TOP FLOAT DEPTH:	Ref. LNM:	POC:
H10	60°19.188'N, 146°50.508'W	1060 feet	954 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
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
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
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
LPB EP03	59°58.758'N, 148°02.676'W 59°59.472'N, 148°05.802'W	289 feet 240 feet	257 feet 208 feet	09/17 09/17	Mary Anne Bishop 907-424-5800 x228
EPOS	59°59.064'N, 148°05.952'W	331 feet	208 feet	09/17	Mary Anne Bishop 907-424-5800 x228 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
LP02	59°59.082'N, 148°02.208'W	148 feet	116 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 60°51.782'N, 147°13.369'W	118 feet 164 feet	118 feet 154 feet	28/18	Mary Anne Bishop 907-424-5800 x228
GISL1 MP1	,		597 feet	28/18	Mary Anne Bishop 907-424-5800 x228 Mary Anne Bishop 907-424-5800 x228
MR1 MR2	59°58.586'N, 147°53.254'W 59°58.655'N, 147°53.160'W	607 feet 581 feet	571 feet	28/18 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 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	102 feet	28/18	Mary Anne Bishop 907-424-5800 x228 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 – SOUTHCENTRAL – 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
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
Frederick Sound	57° 2.8821'N, 134° 14.79818'W	1158 feet	1138 feet	35/09	Dave Carlile 907-465-4216
Ommaney	56° 5.4812' N, 134° 47.0895' W	1181 feet	912 feet	33/10	Dave Carlile 907-465-4216
Ommaney	56° 5.3798'N, 134° 47.0233'W	1191 feet	1171 feet	33/10	Dave Carlile 907-465-4216
Ommaney	56° 5.2783'N, 134° 46.9572'W	1191 feet	1171 feet	33/10	Dave Carlile 907-465-4216
Ommaney	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
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

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: 907-428-4100 Fax: 907-428-4138

16710 January 24, 2024

## 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 24, 2024, of the Operating Guidelines for Ice Conditions in Cook Inlet signed October 17, 2023. 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) 428-4100.

Sincerely,

S.L. Farr

Commander, U. S. Coast Guard Alternate 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: April 5, 2024 Kill Date: April 12, 2024

# **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 a reduced cost to commercial fishermen, thanks to support from the U.S. Coast Guard, the National Institute for Occupational Safety and Health, the Alaska Department of Commerce, Community and Economic Development, and AMSEA members.

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 commercial fishermen operating on documented vessels beyond the federal boundary line. They are open to all mariners and are recommended for captains and crew serving on any commercial vessel.

START DATE	END DATE	LOCATION	STATE
4/8/2024	4/9/2024	Yakutat	Alaska
4/13/2024	4/13/2024	Seward	Alaska
4/20/2024	4/20/2024	Homer	Alaska
4/27/2024	4/27/2024	Juneau	Alaska
4/27/2024	4/27/2024	Sitka	Alaska
5/10/2024	5/10/2024	Sitka	Alaska
6/4/2024	6/5/2024	Haines	Alaska

AMSEA is a 501(c)(3) non-profit educational institute. Support Organizations: Alaska Native Tribal Health Consortium / National Institute for Occupational Safety & Health / Southeast Alaska Regional Health Consortium / State of Alaska Chronic Disease Prevention & Health Promotion / State of Alaska Office of Boating Safety / University of Alaska Sea Grant, Marine Advisory Program / U.S. Coast Guard 17<sup>th</sup> District

### **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
04/8/2024	04/13/202 4	Seward	AK
09/30/202 4	10/5/2024	Sitka	AK

## Mariner's 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 \$125.00 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
4/26/2024	4/26/2024	Sitka	AK
5/11/2024	5/11/2024	Sitka	AK

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