

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

# LOCAL NOTICE TO MARINERS

**District: 17** 

Week: 01/24

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 SEAK002-23 and CG Sector Anchorage Broadcast Notice to Mariners through A236-23 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 Buov 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.

#### 91 ALASKA

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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.

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

RASPBERRY ISLAND - Western Kodiak Island, Shelikof Strait, and Kupreanof Strait.

ALASKA - SOUTHEAST - GASTINEAU CHANNEL - DOUGLAS

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 Alaskan have no VHF-FM coverage. Contact in areas without VHF/FM coverage to the Coast Guard is via Communications Detachment Kodiak on HF or JRCC Juneau by phone. Mariners are requested to relay any unanswered calls for assistance to the Coast Guard.

OBSTRUCTION TO NAVIGATION: A 22' white sailboat has sunk in Gastineau Channel off of Sandy Beach on Douglas in approximate position 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 Guard Sector Southeast Alaska Command Center on VHF/FM channel 16 or by phone to 907-463-2980.

ALASKA - SOUTHCENTRAL - COOK INLET The U.S. Coast Guard Captain of the Port (COTP) for Western Alaska has implemented the Operating Guidelines for Ice Conditions for the Upper Cook Inlet, effective December 20th, 2023. 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 Anchorage Command Center at (907) 428-4100 or on VHF/FM channel 16.

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ALASKA - SOUTHEAST 98 The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southeast Alaska. The initial coverage areas are

through the Alaska Outdoors Forum at

ALASKA - SOUTHCENTRAL

# 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

#### ALASKA - SOUTHEAST - FARRAGUT BAY 108 A Coast Guard mooring buoy has been temporarily established in Farragut Bay in position 57°07′53.362″N, 133°11′53.362″W. This mooring buoy

#### ALASKA - SOUTHEAST - YAKUTAT BAY - MONTI BAY 154 Uncharted shoaling has been reported in the vicinity of Monti Bay outside of the currently charted shoal area. Shoaling to 3 feet has been

## ALASKA - SOUTHEAST - HAINES - CHILKOOT INLET 196

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

#### 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

## ALASKA - SOUTHEAST - AUKE BAY/AUK REC 209

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.

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ALASKA - SOUTHCENTRAL - KODIAK

Anchorage Command Center on VHF/FM channel 16 or by phone to 907-428-4100.

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

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 Waterways Management Office at 907-463-2269 or by email to todd.r.buck@uscg.mil. LNM: 40/23

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

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

is red and marked with "CG" on each side. This buoy is not a lateral aid to navigation. 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

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

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 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. Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at 907-463-2980 or on VHF/FM channel 16. LNM: 27/23

Bechevin Bay B 8 (LLNR 27290) has been relocated 136 vards to position 55°03'09.590"N, 163°25'26.656"W to best mark the channel. Mariners are requested to transit the area with caution. Chart and Light List corrections will be issued once the verification process has been completed. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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.

# information is available through the Alaska Outdoors Forum at https://forums.outdoorsdirectory.com/threads/digital-selective-calling-dsc.140270/

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.

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OBSTRUCTION TO NAVIGATION: A submerged rock has been reported approximately 20' off of the K&I Pier, which is located just South of the 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, approximately +.085'. Mariners are requested to transit the area with extreme caution . Questions/concerns should be directed to the Sector

email to todd.r.buck@uscg.mil.

#### ALASKA - SOUTHEAST - FREDERICK SOUND 220 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

#### ALASKA - SOUTHEAST - SITKA SOUND - DOROTHY NARROWS 247 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

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

caution. Ouestions/concerns should be directed to the Sector Juneau Command Center at 907-463-2980.

## broadcast, BNM on adjacent VHF/FM sites, on the CG NAVCEN website, and by email to stakeholders who have requested email notification of D17 BNMs on the CG NAVCEN website. 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 – PRINCE WILLIAM SOUND – CAPE HINCHINBROOK 273 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

at 907-463-2269 or by email to todd.r.buck@uscq.mil.

SSW - 58°14.575'N.134°43.980'W (Lighted buov)

#### ALASKA - SOUTHEAST - STEPHENS PASSAGE - HORSE ISLAND 280

# 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. Ouestions/concerns should be directed to Ilivia Duner at 530-414-3632 or by email to info@seaquesterfarms.com.

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. Ouestions/concerns should be directed to Todd Buck with the Coast Guard District 17

The Coast Guard is experiencing a VHF Digital Selective Calling (DSC) outage throughout all of Alaska. VHF/FM voice is still operational in all normal coverage areas unless the VHF/FM site is individually inoperative. Individual VHF/FM site outages are advertised through the D17 LNM, AIS

operations on the sea floor. Questions/concerns should be directed to Todd Buck at the Coast Guard District 17 Waterways Management Office

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:

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.

ALASKA - SOUTHCENTAL - COOK INLET NAVIGATION CHANNEL The U.S. Army Corps of Engineers (USACE), Alaska District conducted a project condition survey for Cook Inlet Navigation Channel on May 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 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

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ALASKA - SOUTHEAST - TENAKEE INLET

ALASKA - SOUTHCENTRAL - COOK INLET

ALASKA - SOUTHEAST - FRESHWATER INLET - PAVLOF HARBOR

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. 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 Captain of the Port (COPT), Western Alaska, through consultation with the Southwest Alaska Pilots Association (SWAPA) and members of the Cook Inlet Harbor Safety Committee have developed Operating Guidelines for Ice Conditions in Cook Inlet. Currently, both the LOWER and UPPER Cook Inlet Operating Guidelines for Ice Conditions have been implemented. The Guidelines as well as additional information are available through the following website: https://homeport.uscg.mil/Lists/Content/DispForm.aspx?ID=78987&Source=/Lists/Content/DispForm.aspx?ID=78987 Additional information can also be obtained from an enclosure to this LNM. Questions/concerns should be directed to the Coast Guard Sector Anchorage Command Center at 907-428-4100 or by email to sector.anchorage@uscg.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 FI 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 FI 6 second light and is located in position 58°21′47.580″N, 135°32′32.500″W. Aquatic Plant Farm LB B (LLNR 24278) is a yellow buoy with a FI 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.

ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – BARRY ARM 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.

\*\*\*\*CANCELLATION OF NOAA PAPER AND RASTER NAUTICAL CHARTS\*\*\*\* 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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# may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts. LNM: 09/21

SAFETY NOTICE - NAVIGATIONAL RANGE AND SECTOR LIGHTS ON ELECTRONIC CHARTS

mariners. More information about NOAA's program to sunset traditional paper charts is on the NOAA Coast Survey website at:

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.

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

ALASKA - SOUTHCENTRAL - COOK INLET - PORT OF ANCHORAGE The PCT Danger Range has been established as a Private Aid TO Navigation (PATON) on the Southeastern end of the Petroleum and Cement Terminal at the Port of Alaska located in Anchorage, Alaska. The PCT Danger Range marks a line of position that the PCT Terminal recommends vessels approaching the Terminal do not cross as they are making their approach from, or departing to, the Southeast. The PCT Danger Range consists of two structures with range boards (KRW) and lights (FL Y) that indicate a LOP of 065.8° as you are facing the range. The structures are located in the following positions:

LLNR 26445 - PCT Danger RFL - 61°13'59.2965"N, 149°53'46.0397"W - On dolphin. LLNR 26446 - PCT Danger RRL - 61°14′01.5097″N, 149°53′35.8204″W - On light pole.

https://www.nauticalcharts.noaa.gov/charts/farwell-to-traditional-nautical-charts.html.

Chart and Light List corrections will be issued in a subsequent LNM. 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. LNM: 38/22

ALASKA - SOUTHEAST - NECKER ISLANDS - HOT SPRINGS BAY 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@uscg.mil. INM: 36/22

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.

### ALASKA – U.S. COAST GUARD MEDIUM FREQUENCY (MF) AND HIGH FREQUENCY (HF) DISTRESS WATCHKEEPING 478 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 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 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@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. 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.

LNM: 39/22

LNM: 34/22

LNM: 40/21

LNM: 50/21

LNM: 38/21

#### ALASKA - SOUTHEAST - DUNCAN CANAL - BUTTERWORTH ISLAND 372

#### ALASKA - SOUTHCENTRAL - KODIAK ISLAND 514

ALASKA - SOUTHEAST - BEHM CANAL - MOSER BAY 520

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.

Anchorage Command Center at (907) 428-4100 or the Coast Guard Sector Juneau Command Center at (907) 463-2980.

ALASKA The outbreak of respiratory illness caused by the COVID-19 virus may affect mariners and maritime commerce transiting to or near Alaska. Additional interim guidance for ships on managing suspected coronavirus disease concerns is available at https://www.cdc.gov/guarantine/maritime/recommendations-for-ships.html. Additional maritime specific information can be obtained through Coast Guard Marine Safety Information Bulletins which can be found at https://www.dco.uscq.mil/Featured-Content/Mariners/Marine-Safety-Information-Bulletins-MSIB/. Mariners with questions/concerns while transiting to or near Alaska should contact the Coast Guard Sector

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.

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 be visible during low tide and completely submerged during high tide. All mariners should utilize caution and avoid transiting in close proximity to the object. Questions/concerns should be directed to Sector Anchorage Command Center at (907) 428-4100. LNM: 27/21

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 area with caution. Questions/concerns should be directed to Sector Anchorage Waterways Management at anchorage.waterways@uscg.mil or (907) 428-4189.

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

Tree Point LT (LLNR 21840) has been relocated to a new steel structure approximately 100 yards Southeast of the existing lighthouse structure. The approximate position for the new light is 54°48'10"N, 130°56'04"W. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

NOAA DLB 46085 (LLNR 984.15) has been replaced with a 3-meter buoy and relocated to 55°53'18.000"N, 142°50'48.000"W. Chart and Light List corrections have been issued. The previous 6-meter buoy was not recovered and remains in position 55°52'05.000"N, 142°33'31.000"W. Mariners are requested to transit the area with caution until the previous buoy is recovered. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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

LNM: 37/21

LNM: 28/21

LNM: 34/21

LNM: 23/21

LNM: 08/21

LNM: 43/20

LNM: 11/20

LNM: 33/19

### ALASKA - SOUTHEAST - KLAG BAY 522

# 529

ALASKA - WESTERN - YUKON RIVER 551

#### ALASKA - BRISTOL BAY - NORTHEAST KVICHAK BAY - NAKNEK RIVER 557

# ALASKA - ALEUTIAN ISLANDS - UNALASKA - CAPTAIN'S BAY 573

#### ALASKA - COOK INLET 628

ALASKA

661

#### ALASKA - SOUTHEAST - DIXON ENTRANCE 782

# ALASKA - GULF OF ALASKA 918

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

# 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.

ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND - UNAKWIK INLET

ALASKA - SOUTHEAST - FARRAGUT BAY - FRANCIS ANCHORAGE

ALASKA - SOUTHCENTRAL - PRINCE WILLIAM SOUND - ESTHER ISLAND

ALASKA - SOUTHEAST - WRANGELL NARROWS

ALASKA - SOUTHEAST - FRESHWATER BAY

An uncharted and dangerous rock has been reported in Unakwik Inlet in approximate position 61°08.045'N, 147°32.665'W. Mariners should transit the area with caution. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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

An uncharted rock shoal has been reported in Cedar Cove centered in approximate position 57°52.405'N, 135°03.694'W with an approximate 75 foot radius. The rocks were approximately 1 foot below a 0' tide. The location of the reported shoal has a charted depth of 12 fathoms. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

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. 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. 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.

LNM: 28/19

LNM: 25/19

LNM: 25/19

LNM: 24/19

LNM: 34/18

LNM: 03/18

LNM: 17/18

#### ALASKA - SOUTHWESTERN - ALEUTIAN PENINSULA - BECHEVIN BAY 974

ALASKA - SOUTHEAST - ICY STRAIT - NORTH INIAN PASSAGE

937

939

946

964

970

#### 971 ALASKA - CENTRAL – BETHEL

# 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.

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.

The currents in North Inian Passage and Glacier Bay have been observed at up to 3 knots above the NOAA published current predictions.

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

**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	
22329	Moser Bay Coast Guard Lighted Mooring Buoy	MISSING	17420	J104-21	38/21	

ALASKA - ALEUTIAN ISLANDS - ADAK - SWEEPER COVE 988

### ALASKA - SUBSURFACE AND SURFACE BUOYS 990

977

LNM: 20/13

LNM: 38/11

LNM: 36/17

22435	Meyers Chuck Buoy 3	MISSING		J114-22	37/22
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
22863	Wrangell Narrows Daybeacon 4	STRUCT DEST		J113-21	41/21
22880	Wrangell Narrows Tow Channel Buoy 3TC	OFF STA		J102-21	38/21
22916	Wrangell Narrows Daybeacon 10A	STRUCT DEST		J128-21	47/21
22985	Blind Point Range Rear Light	LT EXT		J371-23	52/23
23210	Wrangell Narrows North Entrance Lighted Bell Buoy WN	REDUCED INT	17360	J086-21	35/21
23250	Portage Bay Light 3	DAYMK DMGD	17360	J104-23	14/23
23260	Cape Fanshaw Light	STRUCT DEST	17360	J081-22	26/22
23265	Bird Rock Light 2	NIGHT LT BURNING DAY	17360	J295-23	42/23
23270	Duck Point Light	LT EXT	17360	J276-23	40/23
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
24930	Simpson Rock Lighted Bell Buoy 5	LT EXT		J372-23	01/24
24948	Indian River Flats Lighted Buoy 2	LT EXT		J032-20	09/20
25060	Big Gavanski Island Light 3	LT EXT	17320	J103-22	34/22
25315	Point Craven Light	LT IMCH	17320	J320-23	46/23
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	LT EXT	16700	A174-23	40/23

	25575	Orca Inlet Channel Light 12	STRUCT DMGD	16700	A109-23	27/23
	25615.9	Orca Inlet South Channel Buoy 18	OFF STA		A157-23	36/23
	25630	Orca Inlet West Channel Light 2	LT EXT		A228-23	51/23
	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	A060-20	23/20
	26000	Thumb Cove Light	DAYMK DMGD	16680	A143-23	34/23
	26435	Point Woronzof Range Front Light	LT EXT	16660	A214-23	49/23
	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
	27250	Bechevin Bay Entrance Buoy BB	MISSING	16520	A130-21	43/21
	27410	Isanotski Strait Light 3	LT EXT	16520	A222-23	50/23
	27455	Iliuliuk Bay Entrance Lighted Bell Buoy 2	LT EXT	16500	A012-23	05/23
	27505	Bailey Ledge Light	LT EXT/STRUCT DMGD	16520	A122-20	43/20
	27542	Sweeper Cove Range Front Light	DAYMK DMGD		A223-23	50/23
	27827	St. George Harbor Entrance Light 1	STRUCT DEST		A118-22	42/22
	27872	Okwega Pass Light OP	STRUCT DEST	16240	A149-23	36/23
	27872	Okwega Pass Light OP	STRUCT DMGD	16240	A123-23	29/23

# DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

# None

# DISCREPANCIES (PRIVATE AIDS)

	LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End		
	22201	Bar Harbor Breakwater East Light	STRUCT DEST		J202-15	47/15			
	22202	Bar Harbor Breakwater Middle Light	STRUCT DEST		J203-15	47/15			
	22203	Bar Harbor Breakwater West Light	STRUCT DEST		J204-15	47/15			
	23908	Port Chilkoot Mooring Dolphin Lights (2)	LT EXT		J175-14	38/14			
	25822	Port Valdez Servs Dock Lights (2)	OFF STA		A067-19	24/19			
	25893	Whittier Passenger Dock Lights (2)	LT EXT		A031-10	20/10			
	26005	4th of July Channel LT 1	STRUCT DEST		A097-23	23/23			
	26010	Seward Marine Dock Light	LT EXT			20/22			
DISCREPANCIES (PRIVATE AIDS) CORRECTED									
	LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End		

relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position. **TEMPORARY CHANGES** Chart No. BNM Ref. LNM St LLNR Aid Name Status TRUB 17360 J093-18 23355 Portage Pass Daybeacon 11 30/18 DISCONTINUED 17300 23790 Horse Shoal Light 1 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 DISCONTINUED 17320 J196-16 25025.5 Japonski Island Daybeacon 2 49/16 DISCONTINUED 16700 25647 NOAA Data Lighted Buoy 46081 A126-19 46/19 DISCONTINUED 25805 A095-18 Port Valdez Coast Guard Mooring Buoy 33/18 **TEMPORARY CHANGES CORRECTED** LLNR Aid Name Status Chart No. BNM Ref. LNM St None PLATFORM TEMPORARY CHANGES LNM St Position Status BNM Ref. Name None PLATFORM TEMPORARY CHANGES CORRECTED LNM St Position BNM Ref. Name Status None

LNM End

LNM End

LNM End

LNM End

# None

#### PLATFORM DISCREPANCIES Position BNM Ref. LNM St LNM End Name Status None PLATFORM DISCREPANCIES CORRECTED Name Status Position BNM Ref. LNM St LNM End

None

# **SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED**

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily

# **SECTION IV - CHART CORRECTIONS**

This section	contains corrective a	ctions affecting cha	erally and privately mainta rt(s). Corrections appea be corrected. The followi	r numerically by cha	art number, and p	ertain to that chart of	only. rt correction.
Number   . 12327 Chart Title: N Main (Temp) AD   Correcti Action	. Green can I ive Object of C n Actio	ARBOR - RARITAI DRK HARBOR DCK CHANNEL BU Corrective	Datum Reference   6/97 NAD 83 N RIVER	CGD01 at 40-41-09.0 I Position	Current Local Notice to Marin 27/97 001N 074-02-48.	001W	00 true.
		rd the light from se	award. The nominal rang Last LNM: 10/15				
Ма	ST EDITION No new 05-Jun- (ENC) c Nautical	NGELL HARBOR editions of chart 1 24. Comparable or overage is available Charts" in Section	angell Harbor AND APPROACHES. Pa 7384 will be published. It larger scale Electronic Na 2. See "Cancellation of NC I of this LNM for details. www.charts.noaa.gov/MCl	will be canceled or wigational Chart DAA Paper and Rast A list of all canceled	er		
			OIL RIG N	OVEMENT			
			Drill Rigs/V	essels Removed			
Latitude None	<u>Longitude</u>	Block	<u>Rigs/Vessel</u>	<u>Chart</u>	Туре	Status	
			Drill Rigs/Ve	essels Established			
<u>Latitude</u> None	Longitude	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	Туре	<u>Status</u>	
This se	ction contains advanc	e notice of approve	SECTION V - ADVA ad projects, changes to al ers are advised to use cat	ids to navigation, or	r upcoming tempo	prary changes such	as dredging, etc.
		1	SUMMARY OF ADVANC	ED APPROVED P	<b>ROJECTS</b>		
<u>Approved F</u> None	Project(s)					Project Date	<u>Ref. LNM</u>
Advance No							
The Coa red flas		ename and upgrad 4s). Questions/col	e Japonski Island Buoy 2 ncerns should be directec uck@uscg.mil.				iys Management
establish	ed have changed. W	hen changes occur ved, proposed proj	SECTION VI - PRO m of aids to navigation to the feasibility of improvi ects open for comment. e unless otherwise noted	o determine whethe ing, relocating, repla SPECIAL NOTE: Ma	er the conditions f acing, or discontin ariners are reques	nuing aids are consi	dered. This section
		PROPOSE	D WATERWAY PROJEC	CTS OPEN FOR PL	JBLIC COMMEN	<u>T</u>	
<u>Proposed P</u> None	Project(s)				<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>

ALASKA - SOUTHEAST - STEPHENS PASSAGE 120 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.

ALASKA - WESTERN - NORTON SOUND - GOLOVIN BAY The Coast Guard is proposing adding navigational aids within Golovin Bay. These aids may include Lights, Daybeacons, or buoys. Mariners are requested to provide recommendations on locations that would facilitate safe navigation within Golovin Bay. Questions/concerns should be directed to Todd Buck with the Coast Guard District 17 Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil. LNM: 26/18

**SECTION VII - GENERAL** 

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

## ALASKA - SOUTHWESTERN - ALEAUTIAN ISLANDS - DUTCH HARBOR SAFETY ZONE: The Coast Guard has established a one nautical mile safety zone around the M/V GENIUS STAR XI which is currently anchored in Broad Bay, Dutch Harbor, in position 53°55.583'N, 166°37.800'W, while under assessment. This vessel may have experienced an onboard fire with hazardous cargo that presents a risk to personnel, vessels, and the marine environment. The safety zone has been established to keep all people and vessels away from the dangers associated with this fire. The safety zone is in effect from December 29, 2023 through January 19, 2024. Mariners are advised to remain clear of this area for the duration of the response operations. Vessels must request permission prior to entering the safety zone from the Coast Guard via Marine Channel 16 or 907-428-4100. Questions/concerns should be directed to the USCG Sector Anchorage Command Center at 907-428-4100 or by email to sectoranchorage@uscg.mil.

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.

# **SECTION VIII - LIGHT LIST CORRECTIONS** An Asterisk \*, indicates the column in which a correction has been made to new information

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

# PUBLICATION CORRECTIONS

ALASKA - SOUTHCENTRAL - COOK INLET 5223 Upper Cook Inlet Ice.pdf

Operating Guidelines for Ice Conditions for the Upper Cook Inlet.

# ALASKA

# 4723 Subsurface Buoys.pdf

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

Daniel A. Davis

**ENCLOSURES** 

ALASKA - SOUTHEASTERN - LISIANSKI INLET

Chart 17300

92

159

None

LNM: 46/23

LNM: 01/24

LNM: BNM J 273-23

52/23 LNM:

LNM: 47/23

Proposed Change Notice(s)

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

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 December 20, 2023

# CAPTAIN OF THE PORT, WESTERN ALASKA NAVIGATION SAFETY ADVISORY

Cold temperatures are causing a significant buildup of ice in the Upper Cook Inlet that poses extreme danger to vessels. To assist mariners, we are implementing the Operating Guidelines for Ice Conditions for Upper Cook Inlet, effective December 20, 2023. These guidelines were updated and signed on October 17, 2023.

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

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

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

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

Sincerely,

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

Copy: Commander, Seventeenth Coast Guard District (dp)

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 – ARCTIC – 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				
	DOCITION	WATED DEDTU		DCINN	POG
TYPE/NAME:	POSITION:		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
012-01	00 14.340 N, 100 51.920 W	JI leet	41 leet	40/14	DI. Manuel Castenole 200-320-0800
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
114 21	05 44.740 10, 100 15.770 10	104 1001	49 1000	2)/21	Rebeeca (1000221 5200
ALASKA – WEST	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
	,				
ALASKA – SOUT	HWESTERN – BERING SEA				
ALASKA – SOUT	HWESTERN – BERING SEA				
					200
TYPE/NAME:	POSITION:		TOP FLOAT DEPTH:	Ref. LNM:	POC:
		WATER DEPTH: 126 feet	TOP FLOAT DEPTH: Surface	Ref. LNM: 25/19	POC: NOAAS FAIRWEATHER 401-378-4022
TYPE/NAME:	POSITION: 58°28.015'N, 162°04.779'W				NOAAS FAIRWEATHER 401-378-4022
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6	POSITION: 58°28.015'N, 162°04.779'W 53°37.775'N, 167°23.945'W	126 feet 312 feet	Surface 282 feet	25/19 28/19	NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18	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	126 feet 312 feet 506 feet	Surface 282 feet 505feet	25/19 28/19 43/21	NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19	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	126 feet 312 feet 506 feet 167 feet	Surface 282 feet 505feet 166 feet	25/19 28/19 43/21 43/21	NOAAS FAIRWEATHER 401-378-4022 Catherine Berchok 206-526-6331 Thomas Vanpelt 907-242-7725 Thomas Vanpelt 907-242-7725
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-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, 167°36.900'W 56°51.818'N, 164°03.693W	126 feet 312 feet 506 feet 167 feet 230 feet	Surface 282 feet 505feet 166 feet 203 feet	25/19 28/19 43/21 43/21 20/22	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19	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	126 feet 312 feet 506 feet 167 feet	Surface 282 feet 505feet 166 feet	25/19 28/19 43/21 43/21 20/22 25/22	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-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, 167°36.900'W 56°51.818'N, 164°03.693W	126 feet 312 feet 506 feet 167 feet 230 feet	Surface 282 feet 505feet 166 feet 203 feet	25/19 28/19 43/21 43/21 20/22	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-UM01	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	126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet	25/19 28/19 43/21 43/21 20/22 25/22 25/22	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-PC01 AL22-AU-UM01 AL22-AU-BS10	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	126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-UM01 AL22-AU-BS10 SPOT-1048	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	126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 25/22 21/23	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
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	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°51.818'N, 164°03.693W 56°67.760'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	126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23	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
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	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°651.818'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	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23	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
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	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°51.818'N, 164°03.693W 56°67.760'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	126 feet 312 feet 506 feet 167 feet 230 feet 531 feet 328 feet 387 feet 60 feet 42 feet	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 25/22 21/23 21/23	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
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	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	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface	25/19 28/19 43/21 43/21 20/22 25/22 25/22 25/22 21/23 21/23 21/23	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
TYPE/NAME: GPS Tide Buoy AL19-AU-BS6 PUF-18 PUF-19 22BSP-2A AL22-AU-PC01 AL22-AU-DV01 AL22-AU-BS10 SPOT-1048 SPOT-31042C SPOT-1003 AL23-AU-BS11 AL23-AU-M08	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°11.512'N, 174°11.297'W 52°11.511'N, 174°05.393'W 61°05.030'N, 170°15.850'W 62°12.286'N, 174°40.585'W	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	Surface 282 feet 505feet 166 feet 203 feet 505 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet	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	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 206-526-6331
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-1003 AL23-AU-BS11 AL23-AU-M08 23BS-2C	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°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, 164°03.290'W	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	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet	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	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
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	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 57°51.983'N, 168°52.432'W	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	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 33 feet	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	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
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	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, 174°40.585'W 56°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W	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	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 33 feet 200 feet	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	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
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-5A	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°51.818'N, 164°03.693W 56°67.760'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 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.952'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 300 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 243 feet 236 feet	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 33 feet 200 feet 197 feet	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	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 David Strausz 206-526-4510 David Strausz 206-526-4510
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	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, 174°40.585'W 56°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W	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	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface 135 feet 197 feet 33 feet 33 feet 200 feet	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	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
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-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-5A 23BS-5A	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°51.818'N, 164°03.693W 56°67.760'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°53.164'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.149'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 236 feet	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	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	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 David Strausz 206-526-4510 David Strausz 206-526-4510
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-BS11 AL23-AU-BS11 AL23-AU-M08 23BS-2C 23BS-4A 23BSP-4A 23BSP-5A 23BS-5A 23BS-5A 23BSP-14A	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°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°11.512'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°52.432'W 57°51.983'N, 168°52.432'W 57°55.168'W, 171°42.952'W 59°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet	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	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	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
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-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BSP-14A 23BSITAER-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 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, 164°03.290'W 57°51.983'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	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet	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	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	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
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-5A 23BS-5A 23BS-5A 23BSF-14A 23BSITAER-8A 23BS-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 58°24.700'N, 167°36.900'W 56°651.818'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 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 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'W 62°11.895'N, 174°39.760'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet	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	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	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 206-526-6331 David Strausz 206-526-4510 David Strausz 206-526-4510
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-5A 23BS-5A 23BS-5A 23BS-5A 23BS-14A 23BSITAER-8A 23BST-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 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°52.432'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°52.432'W 57°55.168'W, 171°42.952'W 59°55.677'N, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.760'W 62°12.002'N, 174°40.782'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet 240 feet	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	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BS-5A 23BS-5A 23BSF-14A 23BSITAER-8A 23BS-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 58°24.700'N, 167°36.900'W 56°651.818'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 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 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'W 62°11.895'N, 174°39.760'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 33 feet 200 feet 197 feet 92 feet 66 feet 43 feet 197 feet 203 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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 206-526-6331 David Strausz 206-526-4510 David Strausz 206-526-4510
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-5A 23BS-5A 23BS-5A 23BS-5A 23BS-14A 23BSITAER-8A 23BST-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 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°51.983'N, 168°52.432'W 57°52.230'N, 168°52.432'W 57°55.168'W, 171°42.952'W 59°55.677'N, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.760'W 62°12.002'N, 174°40.782'W	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 236 feet 138 feet 240 feet 240 feet 240 feet	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	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-14A 23BSITAER-8A 23BST-8A 23BST-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 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°11.51'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°55.677'N, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'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	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 240 feet 240 feet 240 feet	Surface 282 feet 505feet 166 feet 203 feet 302 feet 328 feet Surface Surface Surface 135 feet 197 feet 33 feet 33 feet 200 feet 197 feet 92 feet 66 feet 43 feet 197 feet 203 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BST-8A 23BST-8A 23BST-8A 23BSP-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 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, 164°03.290'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°42.952'W 59°55.677'N, 171°42.952'W 59°55.5168'W, 171°42.952'W 59°55.677'N, 174°39.760'W 62°12.002'N, 174°40.782'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	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 300 feet 42 feet 300 feet 161 feet 230 feet 243 feet 243 feet 243 feet 243 feet 243 feet 246 feet 240 feet 240 feet 240 feet 240 feet 240 feet 144 feet	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 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-14A 23BSTAER-8A 23BST-8A 23BST-8A 23BSP-8A 23BSV-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 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°11.130'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°51.983'N, 168°52.432'W 57°51.983'N, 168°52.432'W 57°55.677'N, 171°42.952'W 59°55.677'N, 171°42.952'W 64°00.251'N, 167°55.150'W 62°12.002'N, 174°39.660'W 62°11.895'N, 174°40.782'W 62°12.002'N, 174°40.782'W 62°12.039'N, 174°40.558'W 62°12.039'N, 174°40.558'W	126 feet 312 feet 506 feet 167 feet 230 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 243 feet 244 feet 246 feet 240 feet 240 feet 240 feet 240 feet	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 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BSTAER-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 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°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.952'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°12.002'N, 174°39.660'W 62°12.339'N, 174°39.80'W 62°12.339'N, 174°39.80'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600'S	126 feet 312 feet 506 feet 167 feet 230 feet 328 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 236 feet 240 feet 240 feet 240 feet 240 feet 240 feet 144 feet UNK	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 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BSTAER-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 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, 164°03.290'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°42.952'W 59°55.677'N, 171°42.952'W 59°55.5168'W, 171°42.952'W 59°55.677'N, 174°39.760'W 62°12.002'N, 174°40.782'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	126 feet 312 feet 506 feet 167 feet 230 feet 328 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 236 feet 240 feet 240 feet 240 feet 240 feet 240 feet 144 feet UNK	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 92 feet 66 feet 43 feet 197 feet 203 feet 197 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A ALASKA – SOUT	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°11.51'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°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'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°39.760'W 62°12.339'N, 174°39.890'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600'S	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 240 feet 240 feet 240 feet 240 feet 240 feet 240 feet 144 feet UNK	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 154 feet 112 feet Surface	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 41/23 41/23 41/23 41/23 41/23	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
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-5A 23BSP-5A 23BSP-5A 23BSP-14A 23BSP-14A 23BSTAER-8A 23BST-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 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°51.630'N, 164°03.290'W 57°51.983'N, 168°52.432'W 57°52.230'N, 168°53.164'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.952'W 59°55.168'W, 171°42.952'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°12.002'N, 174°39.660'W 62°12.339'N, 174°39.80'W 62°12.339'N, 174°39.80'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600'S	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 246 feet 246 feet 246 feet 240 feet	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 203 feet 197 feet	$\begin{array}{c} 25/19\\ 28/19\\ 43/21\\ 43/21\\ 20/22\\ 25/22\\ 25/22\\ 25/22\\ 21/23\\ 21/23\\ 21/23\\ 36/23\\ 40/23\\ 41$	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
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-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-5A 23BSP-8A 23BSV-8A AL23-AU-NM01 23BSPR-2A ALASKA – SOUT	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°11.51'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°55.168'W, 171°42.149'W 64°00.251'N, 167°55.150'W 62°12.107'N, 174°39.660'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°39.760'W 62°12.339'N, 174°39.890'W 64°51.481'N, 168°26.882'W 56°52.600'N, 164°03.600'S	126 feet 312 feet 506 feet 167 feet 230 feet 328 feet 387 feet 60 feet 42 feet 300 feet 161 feet 243 feet 243 feet 243 feet 243 feet 236 feet 138 feet 240 feet 240 feet 240 feet 240 feet 240 feet 240 feet 144 feet UNK	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 154 feet 112 feet Surface	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 41/23 41/23 41/23 41/23 41/23	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
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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 – SOUTHCENTRAL – GULF OF ALASKA – STEVENSON 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								
TYDE ALAME.	DOCITION	WATED DEDTU		D.f.I.NM.	POC					
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. LNM	POC:					
PST1	60°39.100'N, 146°16.682'W	154 feet	138 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST2	60°39.338'N, 146° 17.353'W	226 feet	210 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST3	60° 39.568'N, 146° 18.040'W	390 feet	374 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST4	60° 39.798'N, 146° 18.726'W	427 feet	410 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST5	60° 40.028'N, 146°19.413'W	420 feet	404 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST6	60°40.257'N, 146°20.100'W	410 feet	394 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST7	60°40.487'N, 146°20.786'W	295 feet	279 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST8	60°40.717'N, 146°21.473'W	233 feet	217 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST9	60°40.947'N, 146°22.160'W	194 feet	177 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
PST10	60°41.176'N, 146°22.846'W	141 feet	125 feet	18/09	Mary Anne Bishop 907-424-5800 x228					
LHRT1	60°22.6596'N, 147°51.147'W	225 feet	209 feet	11/14	Mary Anne Bishop 907-424-5800 x228					
LHRT2 LHRT3	60°22.6482'N, 147°50.7522'W 60°22.668'N, 147°50.5116'W	364 feet 382 feet	348 feet 366 feet	11/14 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)

110     0000 pert     120     954 pert     0001 7     Mary Anne Bickop 907-243-5800.228       H13     00718.2385, 146753.3604     922 pert     470 pert     00717     Mary Anne Bickop 907-243-5800.228       H14     00718.3885, 146753.3604     927 pert     470 pert     00717     Mary Anne Bickop 907-243-5800.228       B12     00718.3885, 146753.3604     97 pert     444 pert     00117     Mary Anne Bickop 907-243-5800.228       B12     00718.38856, 146753.3670     151 pert     191 pert     0017     Mary Anne Bickop 907-243-5800.228       B112     00717.98276, 14673.3570     151 pert     191 pert     0017     Mary Anne Bickop 907-243-5800.228       B113     00717.98276, 14673.3570     151 pert     191 pert     0017     Mary Anne Bickop 907-243-5800.228       B103     9755 341871, 17748.0270     295 pert     263 pert     0917     Mary Anne Bickop 907-243-5800.228       B104     9755 441871, 17749.0270     207 pert     458 pert     0917     Mary Anne Bickop 907-243-5800.228       B105     9755 44871, 17749.0270     207 pert     519 pert     9017     Mary Anne Bickop 907-243-5800.228	TYPE/NAME:	POSITION:	<b>WATER DEPTH</b>	TOP FLOAT DEPTH:	Ref. LNM:	POC:
11.13   00°18.5887, 140°52.658°W   90° feet   818 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     111   00°18.5887, 140°53.340°W   22 feet   244 feet   00'17   Murry Anne Bischeg 907-142-8800, 228     111   00°18.5887, 140°53.340°W   276 feer   244 feet   00'17   Murry Anne Bischeg 907-142-8800, 228     1111   00°19.0088, 140°51.2527W   1194 feet   1075 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1112   00°118.5507K, 140°54.3527W   129 feet   197 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1113   00°113.5507K, 140°54.3527W   205 feet   198 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1114   90°55.5567K, 147°49.3527W   205 feet   198 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1115   90°55.5567K, 147°49.550W   205 feet   218 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1014   97°55.5567K, 147°49.550W   205 feet   291 feet   09'17   Murry Anne Bischeg 907-142-8800, 228     1015   97°55.5567K, 147°49.550W   77 feet   77 feet   76 feet   09'17   Murry Anne Bischeg 907-142-8800, 228						
H14     60°134.6851, M4°53.394W     522 fact     470 fact     09/17     Murry Anne Biolog 907-44.5800, 228       HC     60°134.6851, M4°53.5954W     440 fact     09/17     Murry Anne Biolog 907-44.5800, 228       HI1     60°14.00851, M4°51.225 W     440 fact     09/17     Murry Anne Biolog 907-44.5800, 228       HI1     60°14.50051, M4°51.225 W     155 fact     103 fact     09/17     Murry Anne Biolog 907-44.5800, 228       HI1     60°17.58221, M4°54.3330W     155 fact     109 fact     09/17     Murry Anne Biolog 907-44.5800, 228       MD1     99755.41574, M1°49.022W     220 fact     263 fact     09/17     Murry Anne Biolog 907-44.5800, 228       MD2     99755.5174, M1°49.912W     201 fact     378 fact     09/17     Murry Anne Biolog 907-44.5800, 228       MD3     9975.51747, M1°49.912W     420 fact     478 fact     09/17     Murry Anne Biolog 907-44.5800, 228       MD3     9975.51874, M1°49.312W     707 fact     637 fact     09/17     Murry Anne Biolog 907-44.5800, 228       MD3     9975.51874, M1°75.3357W     701 fact     647 fact     09/17     Murry Anne Biolog 907-44.5800, 228						
H15     60'18.408'N, 146'33.56'W     276' feet     244' feet     09'17     Murry Anne Binkop 90'-142-800, 228       H11     60'19.008'N, 146'31.23'W     H135' feet     1022' feet     09'17     Murry Anne Binkop 90'-142-800, 228       H11     60'19.008'N, 146'31.23'W     H16'     102' feet     09'17     Murry Anne Binkop 90'-142-800, 228       H16     60'18.38'N, 146'31.43'W     H16'     10'16' feet     09'17     Murry Anne Binkop 90'-142-800, 228       H16     60'18.38'N, 146'34.33'W     H16' feet     09'17     Murry Anne Binkop 90'-142-800, 228       M01     59'55.48'C, 14'749.51'W     226' feet     18' feet     09'17     Murry Anne Binkop 90'-142-800, 228       M03     59'55.48'C, 14'749.51'W     420' feet     37' feet     09'17     Murry Anne Binkop 90'-142-800, 228       M03     59'55.68'N, 14'749.51'W     420' feet     37' feet     09'17     Murry Anne Binkop 90'-142-800, 228       M03     59'55.68'N, 14'749.51'W     71' feet     51' feet     09'17     Murry Anne Binkop 90'-142-800, 228       M04     59'55.68'N, 14'749.51'W     71' feet     09'17     Murry Anne Binkop 90'-142-800, 228 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
HC     60° 19.00% 1.46°3.536°W     449 feet     404 feet     (99/17)     Mury Anne Biology 07-44.5800 +228       H11     60° 19.00% 1.46°3.128°W     1194 feet     1072 feet     09/17     Mury Anne Biology 07-44.5800 +228       H16     60° 118.540% 1.46°3.138°W     151 feet     119 feet     09/17     Mury Anne Biology 07-44.5800 +228       HD     60° 118.540% 1.46°4.532°W     151 feet     119 feet     09/17     Mury Anne Biology 07-44.5800 +228       HD     60° 11.580% 1.41°48.0128     205 feet     203 feet     09/17     Mury Anne Biology 07-44.5800 +228       MD2     92° 55.586% 1.41°49.017W     440 feet     401 feet     09/17     Mury Anne Biology 07-44.5800 +228       MD3     92° 55.556% 1.41°49.528 W     509 feet     438 feet     09/17     Mury Anne Biology 07-44.5800 +228       MD4     92° 55.556% 1.41°29.528 W     705 feet     506 feet     09/17     Mury Anne Biology 07-44.5800 +228       MD6     92° 55.556% 1.41°29.528 W     778 feet     700 feet     09/17     Mury Anne Biology 07-44.5800 +228       MD6     92° 55.556% 1.41°29.528 W     778 feet     700 feet     09/17     Mury Ann						2 I
H11     00'19.008%, 146'51.22%     H135 feet     1022 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       H16     00'115.83%, 146'54.53%     K5 feet     35 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       H16     00'115.83%, 146'54.53%     K5 feet     235 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M01     9955.44%, 147'48.01W     255 feet     235 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M02     9975.348%, 147'49.057W     420 feet     378 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M03     9975.517K, 147'49.512W     420 feet     378 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M04     9975.517K, 147'49.512W     420 feet     378 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M05     5975.848%, 147'49.532W     715 feet     615 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M06     5975.848%, 147'47.532W     716 feet     700 feet     09/17     Mun' Anne Bichop 907-14-8800 s228       M10     5978 s58.41K, 147'52.552W     716 feet     700 feet     09/17     Mun' Anne Bichop 907-14-8800 s228						<b>2</b> 1
H12     00°17     Mary Ame Bishop 90°1-24-5800 x228       H16     00°17     Mary Ame Bishop 90°1-24-5800 x228       H10     00°17     Mary Ame Bishop 90°1-24-5800 x228       H10     00°17     Mary Ame Bishop 90°1-24-5800 x228       H10     00°17     Mary Ame Bishop 90°1-24-5800 x228       M11     99°55 4517.1     H14°48.607     W1245800 x228       M11     99°55 51517.1     H14°48.607     W1245800 x228       M13     99°56 5157.1     H17°9512W     420 feet     H37 feet     9017     Mary Ame Bishop 90°1-24-5800 x228       M03     99°66 5178.1     H17°9512W     507 feet     917 feet     9017     Mary Ame Bishop 90°1-24-5800 x228       M04     99°6 5557.1     H17°50.32W     601 feet     5017     Mary Ame Bishop 90°1-24-5800 x228       M05     99°57.34678.1     H751.63CW     705 feet     6017     Mary Ame Bishop 90°1-24-5800 x228       M06     99°7.34678.1     H751.63CW     705 feet     6017     Mary Ame Bishop 90°1-24-5800 x228       M07     99°7.34678.1     H751.63CW     724 feet     725 feet     6017     Mary Ame						5 1
HI0     0P17     May Ame Bishop 907-42-4500.228       HD0     0P17     May Ame Bishop 907-42-4500.228       M01     5975-51467.147'46.630W     226 feat     201 feat     0P17     May Ame Bishop 907-424-5800.228       M02     5975-51467.147'46.630W     226 feat     201 feat     0P17     May Ame Bishop 907-424-5800.228       M02     5975-51467.147'49.512W     420 feat     430 feat     0P17     Mary Ame Bishop 907-424-5800.228       M03     5975-5167.117'49.512W     420 feat     430 feat     0P17     Mary Ame Bishop 907-424-5800.228       M04     5975-5557.117'49.556W     776 feat     519 feat     0P17     Mary Ame Bishop 907-424-5800.228       M05     5975.5458.117'873.826W     706 feat     6917     Mary Ame Bishop 907-424-5800.228       M06     5975.5458.117'873.826W     706 feat     0P17     Mary Ame Bishop 907-424-5800.228       M07     5975.5458.117'873.826W     746 feat     601 feat     0P17     Mary Ame Bishop 907-424-5800.228       M08     5975.5458.117'85.268W     748 feat     601 feat     0P17     Mary Ame Bishop 907-424-5800.228       M10     597			1194 feet			· ·
M01     99°5342N, 147°48.00W     225 feet     220 feet     281 feet     0917     Mary Ame Bishop 907-424-800 x228       M02     99°535418N, 147°49.07W     440 feet     401 feet     0917     Mary Ame Bishop 907-424-800 x228       M03     99°55.12N, 147°49.51W     500 feet     438 feet     0917     Mary Ame Bishop 907-424-800 x228       M03     99°55.51SN, 147°49.51W     507 feet     519 feet     0917     Mary Ame Bishop 907-424-800 x228       M04     99°53.51SN, 147°49.52W     507 feet     515 feet     0917     Mary Ame Bishop 907-424-800 x228       M06     99°57.32EN, 147°52.52W     705 feet     607 feet     0917     Mary Ame Bishop 907-424-800 x228       M07     99°57.34EN, 147°51.53W     784 feet     706 feet     0917     Mary Ame Bishop 907-424-800 x228       M08     99°57.34EN, 147°52.582W     784 feet     706 feet     0917     Mary Ame Bishop 907-424-800 x228       M10     99°58.31SN, 147°52.582W     784 feet     706 feet     0917     Mary Ame Bishop 907-424-800 x228       M14     99°58.31SN, 147°52.582W     784 feet     601 feet     0917     Mary Ame Bishop 907-424-80				53 feet	09/17	
NA     59°55.140°N, 14°74.90°2W     220 feet     188 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       MB     59°55.512°N, 14°74.9512W     420 feet     378 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M03     59°56.178°N, 14°74.9518W     420 feet     378 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M04     59°56.856°N, 14°749.966 W     577 feet     570 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M05     59°57.656°N, 14°749.058 W     766 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M06     59°75.656°N, 14°752.087 W     766 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M07     59°58.557.14°752.087 W     778 feet     60°17     Mary Ame Bishop 90°7424-5800 v.228       M10     59°58.5182N, 14°752.487 W     778 feet     670 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M11     59°58.5383N, 14°752.587 W     778 feet     671 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M11     59°58.5383N, 14°752.587 W     614 feet     551 feet     69°17     Mary Ame Bishop 90°7424-5800 v.228       M11	HD		151 feet	119 feet	09/17	· ·
MI2     S9*55.54.8*N, 147*49.074*W     440 feet     401 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M03     S9*55.17N, 147*49.518*W     509 feet     458 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M04     S9*55.55N, 147*50.832*W     640 feet     576 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M05     S9*55.848*N, 147*50.832*W     630 feet     657 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M07     S9*57.546*N, 147*51.324*W     741 feet     667 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M08     S9*57.546*N, 147*51.324*W     741 feet     667 feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M09     S9*88.152*N, 147*25.234*W     748 feet     70% feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M10     S9*88.152*N, 147*25.232*W     745 feet     70% feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M11     S9*88.42*N, 147*0.232*W     745 feet     75% feet     09/17     Mary Anne Bishop 90*7.243-8800.228       M11     S9*88.42*N, 147*0.102*W     124 feet     09/17     Mary Anne Bishop 90*7.243-8	M01	59°55.482'N, 147°48.630'W	295 feet	263 feet	09/17	Mary Anne Bishop 907-424-5800 x228
MB     59*55.512°, 147*49.512°     420 feet     378 feet     09/17     Mary Aane Bishop 907-243.5800.228       M04     59*55.558°, 147*49.598°     577 feet     519 feet     09/17     Mary Aane Bishop 907-243-5800.228       M05     59*55.858°, 147*50.328°     705 feet     635 feet     09/17     Mary Aane Bishop 907-243-5800.228       M06     59*57.522°, 147*50.826°     705 feet     635 feet     09/17     Mary Aane Bishop 907-243-5800.228       M08     59*57.564°, 147*51.234°     741 feet     667 feet     09/17     Mary Aane Bishop 907-243-5800.228       M10     59*58.551°, 147*52.238°     778 feet     700 feet     09/17     Mary Aane Bishop 907-243-5800.228       M10     59*58.551°, 147*52.328°     74 feet     637 feet     09/17     Mary Aane Bishop 907-243-5800.228       M10     59*58.581°, 147*52.328°     74 feet     647 feet     09/17     Mary Aane Bishop 907-243-5800.228       M110     59*58.581°, 147*02.228°     78 feet     09/17     Mary Aane Bishop 907-243-5800.228       LP01     59*58.581°, 148*02.228°     78 feet     09/17     Mary Aane Bishop 907-243-5800.228       LP04 <td>MA</td> <td>59°55.146'N, 147°49.092'W</td> <td>220 feet</td> <td>188 feet</td> <td>09/17</td> <td>Mary Anne Bishop 907-424-5800 x228</td>	MA	59°55.146'N, 147°49.092'W	220 feet	188 feet	09/17	Mary Anne Bishop 907-424-5800 x228
M03     59°56.178N, 147°49.518°W     500 fect     458 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M05     59°56.586 N, 147°50.382°W     640 fect     576 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M06     59°57.566 N, 147°50.332°W     705 fect     637 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M07     59°57.566 N, 147°51.324°W     714 fect     667 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M09     59°58.557 N, 147°52.008°W     784 fect     706 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M10     59°58.518 N, 147°52.352°W     778 fect     700 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M11     59°58.518 N, 147°53.552°W     614 fect     553 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M11     59°58.588 N, 147°53.552°W     614 fect     553 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M11     59°58.588 N, 147°53.552°W     614 fect     551 fect     09/17     Mary Anne Bishop 907-244-5800 c228       M12     59°58.588 N, 147°50.552°W     786 fect     29/17     Mary Anne Bishop 907-	M02	59°55.848'N, 147°49.074'W	446 feet	401 feet	09/17	Mary Anne Bishop 907-424-5800 x228
M04     S955556N, 147549956W     S77 feet     S19 feet     09/17     Mary Anne Bishop 907-243-8800 228       M05     S955586N, 147550326W     705 feet     635 feet     09/17     Mary Anne Bishop 907-243-8800 228       M06     S957536N, 14755036W     708 feet     697 feet     09/17     Mary Anne Bishop 907-243-8800 228       M08     S957366N, 14752348W     778 feet     700 feet     09/17     Mary Anne Bishop 907-243-8800 228       M10     S958538, 147523458W     778 feet     700 feet     09/17     Mary Anne Bishop 907-243-8800 228       M11     S958368N, 147523286W     773 feet     700 feet     09/17     Mary Anne Bishop 907-243-8800 228       M11     S958368N, 147523286W     472 feet     425 feet     09/17     Mary Anne Bishop 907-243-8800 228       LPD4     S959 567N, 148706 4922W     266 feet     09/17     Mary Anne Bishop 907-243-8800 228       LPD4     S959 567N, 148706 4922W     266 feet     09/17     Mary Anne Bishop 907-243-8800 228       LPB     S959 567N, 148706 4922W     246 feet     29/17     Mary Anne Bishop 907-243-8800 228       LPB     S959 567N, 148706 4922W	MB	59°55.512'N, 147°49.512'W	420 feet	378 feet	09/17	Mary Anne Bishop 907-424-5800 x228
M06     99*56.880N, 147*50.382;W     640 feet     576 feet     09:17     Mary Anne Bishop 907+24-5800 x228       M07     99*57.540N, 147*51.234;W     741 feet     667 feet     09:17     Mary Anne Bishop 907+24-5800 x228       M09     99*58.152N, 147*52.435;W     788 feet     691 feet     09:17     Mary Anne Bishop 907+24-5800 x228       M10     99*58.132N, 147*52.452W     788 feet     706 feet     09:17     Mary Anne Bishop 907+24-5800 x228       M11     99*58.132N, 147*52.452W     748 feet     671 feet     09:17     Mary Anne Bishop 907+24-5800 x228       M11     99*58.583N, 148*01.238CW     93 feet     671 feet     09:17     Mary Anne Bishop 907+24-5800 x228       MD     99*58.583N, 148*02.286W     93 feet     261 feet     09:17     Mary Anne Bishop 907+24-5800 x228       LPA     95*58.488N, 148*02.286W     93 feet     261 feet     09:17     Mary Anne Bishop 907+24-5800 x228       LPB     95*95.364N, 148*06.492W     246 feet     217 feet     09:17     Mary Anne Bishop 907+24-5800 x228       LPB     95*95.365N, 148*02.075W     29 feet     20:17     Mary Anne Bishop 907+24-5800 x228 <th< td=""><td></td><td>59°56.178'N, 147°49.518'W</td><td>509 feet</td><td></td><td></td><td>Mary Anne Bishop 907-424-5800 x228</td></th<>		59°56.178'N, 147°49.518'W	509 feet			Mary Anne Bishop 907-424-5800 x228
M06     99'7.222.N., 147'5.0.820.W     705 feet     635 feet     09'17     Mary Anne Bishop 907-42-5800 x228       M08     99'7.864.N., 147'5.1.030.W     778 feet     691 feet     09'17     Mary Anne Bishop 907-42-5800 x228       M10     99'58.53.07., 147'52.045.W     778 feet     700 feet     09'17     Mary Anne Bishop 907-42-5800 x228       M10     99'58.81.27., 147'52.05.07.W     745 feet     671 feet     09'17     Mary Anne Bishop 907-42-5800 x228       M11     99'58.81.47., 147'52.35.26.07.W     742 feet     425 feet     09'17     Mary Anne Bishop 907-42-5800 x228       LP01     99'58.842.N., 148'0.19.20.W     112 feet     80 feet     09'17     Mary Anne Bishop 907-42-5800 x228       LP14     99'59.700.N., 148'0.607.27.W     276 feet     244 feet     09'17     Mary Anne Bishop 907-42-5800 x228       EP44     99'59.700.N., 148'0.607.27.W     236 feet     241 feet     09/17     Mary Anne Bishop 907-42-5800 x228       FVP44     99'59.700.N., 148'0.607.27.W     231 feet     246 feet     09/17     Mary Anne Bishop 907-42-5800 x228       FVP4     60'00.27.87.N., 148'07.470.W     31 feet     290 feet						· ·
M07     99*75,346N,147*51.234*W     741 feet     667 feet     09/17     Mary Anne Bishop 907-42-5800 x228       M09     99*88,152N,14752,308*W     788 feet     691 freet     09/17     Mary Anne Bishop 907-42-5800 x228       M10     99*88,152N,14752,3872*W     788 feet     700 feet     09/17     Mary Anne Bishop 907-42-5800 x228       M11     99*88,12N,14752,3872*W     745 feet     671 feet     09/17     Mary Anne Bishop 907-42-5800 x228       MD     99*88,82N,14870,236*W     425 feet     09/17     Mary Anne Bishop 907-42-5800 x228       LP01     99*88,88N,14870,236*W     98 feet     66 feet     09/17     Mary Anne Bishop 907-42-5800 x228       EP04     99*95,047N,148*06,720*W     226 feet     214 feet     09/17     Mary Anne Bishop 907-42-5800 x228       EP04     99*95,047N,148*06,492*W     246 feet     237 feet     09/17     Mary Anne Bishop 907-42-5800 x228       EP03     99*9,047N,148*07,07*W     312 feet     297 feet     09/17     Mary Anne Bishop 907-42-5800 x228       EP04     99*9,95*N,148*02,07*W     313 feet     299 feet     09/17     Mary Anne Bishop 907-42-5800 x228 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
M08     9973, 844 N, 14751, 636 W     768 feet     691 feet     0917     Mary Ame Bishop 9074-24-5800 x228       M10     9973, 854 N, 14752, 458 W     778 feet     700 feet     0917     Mary Ame Bishop 9074-24-5800 x228       M11     9973, 854 N, 14752, 352 W     745 feet     671 feet     0917     Mary Ame Bishop 9074-24-5800 x228       M11     9973, 854 N, 14752, 352 W     614 feet     553 feet     0917     Mary Ame Bishop 9074-24-5800 x228       LP01     99738, 854 N, 14870, 1320 W     112 feet     80 feet     0917     Mary Ame Bishop 9074-24-5800 x228       LP4     9973, 000 N, 14870, 6072 W     276 feet     244 feet     0917     Mary Ame Bishop 9074-24-5800 x228       EP4     9979, 000 N, 14870, 6072 W     266 feet     2017     Mary Ame Bishop 9074-24-5800 x228       PCWB05     60702, 778 N, 14870, 740 W     312 feet     200 feet     0917     Mary Ame Bishop 9074-24-5800 x228       PCWB15     60702, 778 N, 14870, 740 W     312 feet     200 feet     0917     Mary Ame Bishop 9074-24-5800 x228       PCWB16     60702, 788 N, 14870, 740 W     312 feet     2016 feet     0917     Mary Ame Bishop 9074-2						· ·
M09     S9*8.152N, 147'52.408 W     7784 feet     706 feet     09/17     Mary Anne Bishop 907-124-5800 x228       M10     S9*8.82N, 147'52.872 W     745 feet     671 feet     09/17     Mary Anne Bishop 907-124-5800 x228       M11     S9*8.82N, 147'52.872 W     745 feet     621 feet     09/17     Mary Anne Bishop 907-124-5800 x228       MD     S9*8.85N, 148*01.290 W     112 feet     80 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPA     S9*98.348N, 148*02.286 W     98 feet     66 feet     09/17     Mary Anne Bishop 907-124-5800 x228       EPB4     S9*95.36NN, 148*00.270 W     216 feet     214 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPB     S9*95.36NN, 148*02.470 W     230 feet     257 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPB     S9*95.064N, 148*02.08W     239 feet     257 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPQ2     S9*95.062N, 148*02.08W     238 feet     257 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPQ2     S9*95.082N, 148*02.08W     236 feet     237 feet     09/17     Mary Anne Bishop						<b>2</b> 1
M10     59*8.830K).     147*5.24.88W     778     feet     700     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       M11     59*8.842N,     147*52.866W     472     feet     607     Mary Anne Bishop 907-124-5800 v.228       LP01     59*8.854N,     148*01.920W     112     feet     807     Mary Anne Bishop 907-124-5800 v.228       LP14     59*98.854N,     148*01.920W     126     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       EP04     59*99.700N,     148*00.072W     276     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       FPB     59*99.700N,     148*00.470W     312     feet     290     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       FPB     59*99.472N,     148*00.502W     240     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       FPA     59*99.472N,     148*00.502W     240     feet     09/17     Mary Anne Bishop 907-124-5800 v.228       FPA     69*99.472N,     148*00.502W     246     feet     09/17     Mary Anne Bishop 907-424-5800 v.228 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>· ·</td></tr<>						· ·
MC     59*8.182%, 147*52.872W     745 feet     671 feet     09/17     Mary Anne Bishop 907-124-5800 x228       MD     59*8.518%, 147*03.352W     614 feet     553 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LP01     59*8.848%, 148*01.280W     12 feet     80 feet     09/17     Mary Anne Bishop 907-124-5800 x228       LPA     59*95.365%, 148*00.292W     276 feet     244 feet     09/17     Mary Anne Bishop 907-124-5800 x228       EPB     59*95.365%, 148*00.492W     246 feet     214 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EPB     59*95.355%, 148*02.676W     220 feet     226 feet     09/17     Mary Anne Bishop 907-424-5800 x228       LPB     59*95.355%, 148*02.676W     240 feet     208 feet     09/17     Mary Anne Bishop 907-424-5800 x228       LPA     59*9.375%, 148*02.676W     240 feet     208 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.39*1, 148*07.028W     146 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.29*1, 140*2.208W     146 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB						
M11     59*8.842%, 147*3.322*     614     425 feet     09/17     Mary Anne Bishop 907-424-5800 x228       LP01     59*8.854%, 148*01.920*     112 feet     80 feet     09/17     Mary Anne Bishop 907-424-5800 x228       LP04     59*9.88.857N, 148*00.672*     276 feet     244 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EP04     59*9.97007N, 148*00.072*     276 feet     214 feet     09/17     Mary Anne Bishop 907-424-5800 x228       POWP05     60*02.778N, 148*00.672*     246 feet     201 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PDW 505     60*02.778N, 148*00.582*     316 feet     209 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EP03     59*9.9472N, 148*00.582*     316 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.39NL 148*00.508*     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60*02.39NL 148*00.508*     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60*02.29NL 148*01.588*     167 feet     136 feet     09/17     Mary Anne Bi						· ·
MD     59% 8.518%, 14753,352%     614 feet     553 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPA     59% 8.488%, 148%0,286%     98 feet     66 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPA     59% 5.054(N, 148%0,692)W     246 feet     214 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPB     59% 5.054(N, 148%0,692)W     246 feet     214 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPB     59% 5.758%, 148%0,2676W     239 feet     257 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPB     59% 50.64N, 148%02,575W     331 feet     299 feet     09/17     Mary Anne Bishop 907-424-800x 228       LPA     59% 50.64N, 148%07,628W     249 feet     257 feet     09/17     Mary Anne Bishop 907-424-800x 228       PWA     60702,786N, 148%07,628W     249 feet     257 feet     09/17     Mary Anne Bishop 907-424-800x 228       PWB     60702,786N, 148%07,628W     208 feet     234 feet     09/17     Mary Anne Bishop 907-424-800x 228       PWB     60702,786N, 148%10,732W     16 feet     Suff feet     135 feet     09/17						
LP01     59°58.854′N, 148°01.920′W     112 feet     80 feet     60°17     Mary Anne Bishop 907-424-5800 x228       EPD4     59°59.700′N, 148°66.072′W     276 feet     244 feet     09′17     Mary Anne Bishop 907-424-5800 x228       EPD8     59°59.700′N, 148°6.072′W     236 feet     214 feet     09′17     Mary Anne Bishop 907-424-5800 x228       POWP05     60°02.778′N, 148°02.676′W     239 feet     257 feet     09′17     Mary Anne Bishop 907-424-5800 x228       LPB     59°59.788/N, 148°02.676′W     239 feet     297 feet     09′17     Mary Anne Bishop 907-424-5800 x228       EPA     59°59.064/N, 148°02.078′W     239 feet     297 feet     09′17     Mary Anne Bishop 907-424-5800 x228       PWA     60°02.340/N, 148°02.08′W     246 feet     234 feet     09′17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02.148′N, 148°02.08′W     266 feet     234 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°41.437′N, 146'23.39′S′W     16 feet     Surface     09′17						<b>y</b> 1
LPA     59°58,488°N, 148°02,280°W     98 feet     66 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EPB     59°50,364'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     59°58,471, 148°05,402'W     240 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EP03     59°59,472N, 148°05,802'W     240 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60°02,390'N, 148°05,802'W     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02,796'N, 148°07,802'W     248 feet     116 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02,796'N, 148°07,902'W     177 feet     145 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02,796'N, 148°07,902'W     167 feet     135 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60°14,1370'N, 146'23,96'W     167 feet     16/17     Mary Anne Bishop 9						
EP04     59*59.700N, 148*06.072W     276 feet     214 feet     09/17     Mary Anne Bishop 907-424-5800 x228       POWP05     60*02.778N, 148*07.470W     312 feet     280 feet     09/17     Mary Anne Bishop 907-424-5800 x228       POWP05     50*59.47N, 148*05.076W     280 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EP03     59*59.04FN, 148*05.076W     280 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EPA     59*59.04FN, 148*05.069W     280 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.394N, 148*02.08W     280 feet     237 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60*02.418N, 148*02.08W     286 feet     234 feet     09/17     Mary Anne Bishop 907-424-5800 x228       BP47     60*07.12NN, 146*32.956'W     16 feet     Surface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60*14.37NN, 146*23.956'W     16 feet     Surface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60*14.454'N, 146*23.496'W     75 feet     55 feet     16/17     Mary						
EPB     59°59.364N, 148°06.492W     246 feet     214 feet     09'17     Mary Anne Bishop 907-424-5800 x228       LPB     59°58.758N, 148°02.676W     289 feet     257 feet     09'17     Mary Anne Bishop 907-424-5800 x228       EPO3     59°59.064N, 148°02.676W     240 feet     208 feet     09'17     Mary Anne Bishop 907-424-5800 x228       EPA     59°59.064N, 148°05.952W     331 feet     299 feet     09'17     Mary Anne Bishop 907-424-5800 x228       PWA     60°02.796N, 148°02.028W     289 feet     257 feet     09'17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02.796N, 148°02.028W     148 feet     116 feet     09'17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02.796N, 148°02.028W     166 feet     234 feet     09'17     Mary Anne Bishop 907-424-5800 x228       BPA     60°06.006N, 144°23.586W     16 feet     Straface     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60'41.51N, 148°03.496W     75 feet     15 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-4     60'40.096N, 146'23.51W     146 feet     126 feet     16'17     Mary Anne Bi		,				<b>2</b> 1
POWP05     60°02.778N, 148°02.676W     312 feet     280 feet     297     Mary Anne Bishop 907-424-5800 x228       LPB     59°59.472N, 148°05.802W     240 feet     208 feet     09'17     Mary Anne Bishop 907-424-5800 x228       EPA     59°59.047N, 148°05.082W     331 feet     299 feet     09'17     Mary Anne Bishop 907-424-5800 x228       EPA     60°02.39N, 148°02.08W     148 feet     116 feet     09'17     Mary Anne Bishop 907-424-5800 x228       LP02     59°59.082N, 148°02.08W     148 feet     116 feet     09'17     Mary Anne Bishop 907-424-5800 x228       PWB     60°02.418N, 148°05.208W     266 feet     234 feet     09'17     Mary Anne Bishop 907-424-5800 x228       BPA     60°07.128N, 148°13.458W     167 feet     135 feet     09'17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60'41.57N, 146°23.496'W     75 feet     55 feet     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-4     60'40.060'N, 146'22.501'W     195 feet     176 feet     16'17     Mary A						5 1
LPB     59°58.758°N, 148°02.676°W     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EPA     59°59.064°N, 148°05.952°W     331 feet     299 feet     09/17     Mary Anne Bishop 907-424-5800 x228       EPA     59°59.064°N, 148°07.968°W     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       LPO2     59°59.082°N, 148°07.902°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       BPV0     60°06.906°N, 148°14.118°W     174 feet     142 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60°41.52°N, 148°13.458°W     16 feet     234 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60°41.454°N, 146°23.956°W     16 feet     15/17     Mary Anne Bishop 907-424-5800 x228       Grav-3     60°40.925.7N, 146°23.018°W     146 feet     126 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60°41.037N, 146°23.480°W     7 feet     Surface     16/17     Mary Anne						
EP03     59*59.472N, 148*05.802*W     240 feet     298 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.394N, 148*07.698*W     231 feet     297 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWA     60*02.394N, 148*07.698*W     289 feet     257 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB     60*02.418N, 148*08.208*W     266 feet     234 feet     09/17     Mary Anne Bishop 907-424-5800 x228       BP07     60*07.090K, 148*11.18*W     174 feet     132 feet     09/17     Mary Anne Bishop 907-424-5800 x228       BPA     60*07.128N, 148*03.356*W     166 feet     Strike     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60*41.454*N, 146*23.496*W     75 feet     S5 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     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*23.03*W     7 feet     Surface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60*41.35N, 146*24.10*W     7 feet     Surface <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
EPA     59°59.064N, 148°05.952W     331 feet     299 feet     09/17     Mary Anne Bishop 907-424.5800 x228       PWA     60°02.394N, 148°07.069W     289 feet     217 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWD6     60°02.796N, 148°0.208W     148 feet     116 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWD6     60°02.796N, 148°16.808W     266 feet     234 feet     09/17     Mary Anne Bishop 907-424-5800 x228       BP07     60°06.906N, 148°14.118W     174 feet     142 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60°41.370N, 146°23.956'W     167 feet     135 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60°41.454'N, 146°23.096'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°40.606 N, 146°23.61'W     158 feet     126 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-4     60°40.580'N, 146°23.148'W     158 feet     138 feet     16/17						· ·
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       PWB     60°02.76'N, 148°07.902'W     177 feet     145 feet     09/17     Mary Anne Bishop 907-424-5800 x228       BPA     60°02.76'N, 148°13.45'W     176 feet     124 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60°11.28'N, 148°13.45'W     176 feet     135 feet     09/17     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°40.96'N, 146'22.561'W     16 feet     Sufface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60°41.03'N, 146'23.148'W     146 feet     126 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-7     60'40.80'N, 146'23.63''W     128 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-7     60'40.03'N, 146'23.148''W     158 feet     138 feet     16/17						
LP02     59°59.082'N, 148°02.208'W     148 feet     116 feet     09/17     Mary Anne Bishop 907-424-5800 x228       PWB6     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       BP07     60°06.906 N, 148°14.118'W     174 feet     142 feet     09/17     Mary Anne Bishop 907-424-5800 x228       Grav-1     60°14.1370'N, 146°23.956'W     16 feet     Striface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60°41.454'N, 146°23.046'W     75 feet     156 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°41.031'N, 146°23.03'W     128 feet     138 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°40.580'N, 146°33.148'W     158 feet     138 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°40.580'N, 146°33.148'W     158 feet     138 feet     <						· ·
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       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; 146'23.395 (W     16 feet     Strace     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60'41.452'N; 146'23.496'W     75 feet     55 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-3     60'40.696'N; 146'22.501'W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60'41.033'N; 146'22.501'W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60'40.450'N; 146'22.61'W     158 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60'40.351'N; 146'22.4109'W     51 feet     198 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-87     60'40.970'N; 146'23.57'W     106 feet     86 feet <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
BP07     60°06.906N, 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°23.396'W     75 feet     55 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-2     60°40.056'N, 146°23.018'W     146 feet     126 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-4     60°40.056'N, 146°23.018'W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60°41.033'N, 146°24.169'W     75 feet     Suface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°40.362'N, 146°24.169'W     75 feet     192 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-7     60°40.362'N, 146°23.633'W     128 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°40.362'N, 146°23.633'W     128 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-10     60°40.053'N, 146°23.55'W     106 feet     86 feet						· ·
BPA     60°07.128N, 148°13.458W     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-4     60°40.696'N, 146°23.501'W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-5     60°41.257'N, 146°23.631'W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°41.033'N, 146°24.109'W     53 feet     31 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°40.362'N, 146°23.432'W     128 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°40.362'N, 146°23.432'W     128 feet     193 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°40.4070'N, 146°23.455'W     106 feet     86 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°41.037N, 146°23.456'W     74 feet					09/17	<b>2</b> 1
Grav-1     60*11.370*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*40.056*N, 146*22.501*W     195 feet     176 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-4     60*40.056*N, 146*22.501*W     195 feet     176 feet     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-6     60*40.0580*N, 146*23.148*W     158 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60*40.580*N, 146*23.148*W     158 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60*40.970*N, 146*23.492*W     128 feet     192 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-10     60*40.970*N, 146*23.492*W     128 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-RT2     60*41.031*N, 146*23.496*W     72 feet     53 feet     16/17     Mary Anne Bishop 907-424-5800 x228 </td <td>BP07</td> <td>60°06.906'N, 148°14.118'W</td> <td>174 feet</td> <td>142 feet</td> <td>09/17</td> <td>Mary Anne Bishop 907-424-5800 x228</td>	BP07	60°06.906'N, 148°14.118'W	174 feet	142 feet	09/17	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, 146'23.031'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°41.035'N, 146'23.633'W     7 feet     Surface     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°40.580'N, 146'23.633'W     128 feet     108 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-7     60°40.580'N, 146'23.632'W     128 feet     138 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60°40.502'N, 146'23.557'W     106 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-8T1     60°41.037'N, 146'23.557'W     106 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-8T1     60°41.037'N, 146'23.765'W     74 feet     55 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-8T2     60°41.037'N, 146'33.78'W     223 feet     238 feet     16'17     Mary Anne Bishop 9	BPA	60°07.128'N, 148°13.458'W	167 feet	135 feet	09/17	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°23.630'W     7 feet     Surface     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-6     60°40.33'N, 146°24.109'W     53 feet     34 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-7     60°40.362'N, 146°23.633'W     128 feet     108 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60°40.362'N, 146°23.657'W     128 feet     138 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-RT2     60°41.091'N, 146°23.757'W     74 feet     55 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-RT2     60°41.090'N, 146°23.75'W     74 feet     55 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-RT3     60°41.090'N, 146°23.7412'W     213 feet     203 feet	Grav-1	60°41.370'N, 146°23.956'W	16 feet	Surface	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   60'41.237'N, 146'24.580'W   7 feet   Surface   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-6   60'41.033'N, 146'23.109'W   53 feet   34 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-7   60'40.580'N, 146'23.633'W   128 feet   108 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-8   60'40.362'N, 146'23.632'W   121 feet   192 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-9   60'40.362'N, 146'23.692'W   21 feet   192 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-81   60'41.0970'N, 146'23.557'W   106 feet   86 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, 146'23.765'W   74 feet   55 feet   16/17   Mary Anne Bishop 907-424-5800 x228     RH2   60'38.15'N, 146'23.428'W   213 feet   23 feet   28/18   Mary Anne Bishop 907-424-5800 x228     RH1   6	Grav-2	60°41.454'N, 146°23.496'W	75 feet	55 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°23.63°W     128 feet     108 feet     16′17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60°40.362°N, 146°23.57°W     121 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°41.031°N, 146°23.65°W     72 feet     53 feet     16′17     Mary Anne Bishop 907-424-5800 x228       Grav-RT2     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°37.412°W     213 feet     203 feet     28′18     Mary Anne Bishop 907-424-5800 x228       RH1     60°18.20°N, 146°37.412°W     213 feet     23/18     Mary Ann	Grav-3	60°40.925'N, 146°23.018'W	146 feet	126 feet	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°23.63'W     128 feet     108 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-8     60°40.580'N, 146°22.692'W     212 feet     192 feet     16'17     Mary Anne Bishop 907-424-5800 x228       Grav-9     60°40.970'N, 146°23.557'W     106 feet     86 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-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°29.837'W     223 feet     231 feet     28/18     Mary Anne Bishop 907-424-5800 x228       NMS1     60°18.280'N, 147°25.330'W     154 feet     131 feet     28/18     Mary Anne Bishop 907-424-5800 x228       NMS2     60°18.280'N, 147°25.30'W     164 feet     154 feet <th< td=""><td></td><td>60°40.696'N, 146°22.561'W</td><td></td><td></td><td></td><td>2 I</td></th<>		60°40.696'N, 146°22.561'W				2 I
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, 146'23.557'W   106 feet   86 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-R1   60'41.053'N, 146'23.557'W   106 feet   86 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-R12   60'41.071'N, 146'23.896'W   72 feet   53 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-R13   60'41.090'N, 146'23.765'W   74 feet   55 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-R13   60'36.987'N, 146'37.412'W   213 feet   203 feet   28/18   Mary Anne Bishop 907-424-5800 x228     RH1   60°36.987'N, 146'23.765'W   74 feet   131 feet   28/18   Mary Anne Bishop 907-424-5800 x228     RM51   60°18.476'N, 147'93.040'W   131 feet   131 feet   28/18   Mary Anne Bishop 907-424-5800 x228     NM52   60°18.260'N, 147'95.30'W   154 feet   154 feet   28/18   Mary Anne Bishop 907-424-5800 x228     NM53						<b>y</b> 1
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, 146'23.557'W   106 feet   86 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-R10   60°41.053'N, 146'23.557'W   106 feet   86 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-RT2   60°41.053'N, 146'23.755'W   72 feet   53 feet   16/17   Mary Anne Bishop 907-424-5800 x228     Grav-RT3   60°41.00'N, 146'23.765'W   72 feet   53 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°88.175'N, 146'34.142'W   213 feet   203 feet   28/18   Mary Anne Bishop 907-424-5800 x228     NMS1   60°18.280'N, 147'25.30'W   131 feet   131 feet   28/18   Mary Anne Bishop 907-424-5800 x228     NMS2   60°18.280'N, 147'25.30'W   154 feet   154 feet   28/18   Mary Anne Bishop 907-424-5800 x228     GISL1   60°51.782'N, 147'93.369'W   164 feet   154 feet   28/18   Mary Anne Bishop 907-424-5800 x228     MR2						
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°23.557'W     106 feet     86 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-RT2     60°41.090'N, 146°23.765'W     72 feet     53 feet     16/17     Mary Anne Bishop 907-424-5800 x228       Grav-RT3     60°41.090'N, 146°37.412'W     213 feet     203 feet     28/18     Mary Anne Bishop 907-424-5800 x228       RH1     60°38.175'N, 146°37.412'W     213 feet     203 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       MK3     60°21.657'N, 147°13.360'W     118 feet     118 feet     28/18     Mary Anne Bishop 907-424-5800 x228       MR1     59°58.586'N, 147°53.160'W     581 feet     597 feet     <						<b>y</b> 1
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°23.896°W     72 feet     53 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     72 feet     53 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°38.8175°N, 146°29.837°W     223 feet     223 feet     28/18     Mary Anne Bishop 907-424-5800 x228       NMS1     60°18.280°N, 147°25.330°W     154 feet     154 feet     28/18     Mary Anne Bishop 907-424-5800 x228       NMS2     60°22.657°N, 147°0.341°W     118 feet     118 feet     28/18     Mary Anne Bishop 907-424-5800 x228       NMS3     60°22.657°N, 147°53.030°W     164 feet     154 feet     28/18     Mary Anne Bishop 907-424-5800 x228       MR1     59°58.586°N, 147°53.030°W     564 feet     571 feet     28						
Grav-RT160°41.053`N, 146°24.004'W59 feet40 feet16/17Mary Anne Bishop 907-424-5800 x228Grav-RT260°41.071'N, 146°23.896'W72 feet53 feet16/17Mary Anne Bishop 907-424-5800 x228Grav-RT360°41.090'N, 146°23.765'W74 feet55 feet16/17Mary Anne Bishop 907-424-5800 x228RH160°36.987'N, 146°37.412'W213 feet203 feet28/18Mary Anne Bishop 907-424-5800 x228RH260°38.175'N, 146°37.412'W213 feet223 feet28/18Mary Anne Bishop 907-424-5800 x228NMS160°18.476'N, 147°40.044'W131 feet131 feet28/18Mary Anne Bishop 907-424-5800 x228NMS260°18.280'N, 147°53.30'W154 feet154 feet28/18Mary Anne Bishop 907-424-5800 x228NMS360°22.657'N, 147°53.254'W607 feet597 feet28/18Mary Anne Bishop 907-424-5800 x228MR159°58.586'N, 147°53.254'W607 feet597 feet28/18Mary Anne Bishop 907-424-5800 x228MR259°58.655'N, 147°53.030'W581 feet571 feet28/18Mary Anne Bishop 907-424-5800 x228MR359°58.738'N, 147°53.030'W564 feet554 feet28/18Mary Anne Bishop 907-424-5800 x228HRT160°18.226'N, 146°54.282'W112 feet111 feet28/18Mary Anne Bishop 907-424-5800 x228HRT360°18.226'N, 146°54.282'W121 feet111 feet28/18Mary Anne Bishop 907-424-5800 x228HRT160°18.226'N, 146°54.145'W151 feet111 feet28/18Mary Anne Bishop 907-424						
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°03.369'W   164 feet   154 feet   28/18   Mary Anne Bishop 907-424-5800 x228     MR1   59°58.656'N, 147°53.254'W   607 feet   597 feet   28/18   Mary Anne Bishop 907-424-5800 x228     MR2   59°58.655'N, 147°53.300'W   564 feet   571 feet   28/18   Mary Anne Bishop 907-424-5800 x228     MR3   59°58.738'N, 147°53.300'W   564 feet   571 feet   28/18   Mary Anne Bishop 907-424-5800 x228     MR4   60°18.0						<b>2</b> 1
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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		60°18.050'N, 147°55.640'W	344 feet			Mary Anne Bishop 907-424-5800 x228
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PF1 00°48./20'N, 146°34.464'W 131 feet 128 feet 10/20 Mary Anne Bishop 907-424-5800 x228						
	rr1	00 <sup>-</sup> 48.720 <sup>-</sup> N, 146 <sup>-</sup> 34.464 <sup>-</sup> W	131 Teet	128 Teet	10/20	wary Anne Bisnop 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