



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

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## LOCAL NOTICE TO MARINERS

**District: 17**

**Week: 11/16**

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

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

Questions, comments, or additional information on this Local Notice to Mariners should be sent to the address above or by E-mail to: D17-PF-D17-LNM@uscg.mil. You can get the U.S. Coast Guard 17th District Local Notice to Mariners via the Internet directly from the U.S. Coast Guard Navigation Center web site at <http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=17>.

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

### BROADCAST NOTICE TO MARINERS

Navigation information previously promulgated by CG Sector Juneau Broadcast Notice to Mariners through J049-16 and CG Sector Anchorage Broadcast Notice to Mariners through A036-16 that are still in effect are included in this notice.

#### Chart Corrections

[http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\\_NM.html](http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html)

#### Dates of Latest Editions, Nautical Charts, and Miscellaneous Maps

<http://www.nauticalcharts.noaa.gov/mcd/dole.htm>

#### Light List/ Summary of Corrections

<http://www.navcen.uscg.gov/index.php?pageName=lightLists>

NOAA Chart Viewer (Posting of all up to date NOAA charts for viewing on Internet browser to be used for ready reference or planning)

<http://www.nauticalcharts.noaa.gov/mcd/OnLineViewer.html>

#### NOAA Booklet Charts

<http://www.nauticalcharts.noaa.gov/staff/BookletChart.html>

Coast Pilots, along with corrections, are available at:

<http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>

#### NOAA Weather Buoy Sites

<http://seaboard.ndbc.noaa.gov/Maps/wrldmap.shtml>

#### Tides online

<http://www.tidesonline.nos.noaa.gov>

#### Tides, Currents, PORTS

<http://www.co-ops.nos.noaa.gov>

#### Weather

<http://www.noaa.gov/wx.html>

Vessel Traffic System Prince William Sound (VTSPWS) Users Manual

[Http://homeport.uscg.mil/valdez](http://homeport.uscg.mil/valdez)

## ABBREVIATIONS

### A through H

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

### I through O

I - Interrupted  
ICW - Intracoastal Waterway  
IMCH - Improper Characteristic  
INL - Inlet  
INOP - Not Operating  
INT - Intensity  
ISL - Islet  
Iso - Isophase  
kHz - Kilohertz  
LAT - Latitude  
LB - Lighted Buoy  
LBB - Lighted Bell Buoy  
LHB - Lighted Horn Buoy  
LGB - Lighted Gorn Buoy  
LONG - Longitude  
LNM - Local Notice to Mariners  
LT - Light  
LT CONT - Light Continuous  
LTR - Letter  
LWB - Lighted Whistle Buoy  
LWP - Left Watching Properly  
MHz - Megahertz  
MISS/MSNG - Missing  
Mo - Morse Code  
MRASS - Marine Radio Activated Sound Signal  
MSLD - Misleading  
N/C - Not Charted  
NGA - National Geospatial-Intelligence Agency  
NO/NUM - Number  
NOS - National Ocean Service  
NW - Notice Writer  
OBSCU - Obscured  
OBST - Obstruction  
OBSTR - Obstruction  
Oc - Occulting  
ODAS - Anchored Oceanographic Data Buoy

### P through Z

PRIV - Private Aid  
Q - Quick  
R - Red  
RACON - Radar Transponder Beacon  
Ra ref - Radar reflector  
RBN - Radio Beacon  
REBUILT - Aid Rebuilt  
RECOVERED - Aid Recovered  
RED - Red Buoy  
REFL - Reflective  
RRL - Range Rear Light  
RELIGHTED - Aid Relit  
RELOC - Relocated  
RESET ON STATION - Aid Reset on Station  
RFL - Range Front Light  
RIV - River  
RRASS - Remote Radio Activated Sound Signal  
s - seconds  
SEC - Section  
SHL - Shoaling  
si - silent  
SIG - Signal  
SND - Sound  
SPM - Single Point Mooring Buoy  
SS - Sound Signal  
STA - Station  
STRUCT - Structure  
St M - Statute Mile  
TEMP - Temporary Aid Change  
TMK - Topmark  
TRLB - Temporarily Replaced by Lighted Buoy  
TRLT - Temporarily Replaced by Light  
TRUB - Temporarily Replaced by Unlighted Buoy  
USACE - Army Corps of Engineers  
W - White  
Y - Yellow

Additional Abbreviations Specific to this LNM Edition: None

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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### 548 ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND – CORDOVA

The Coast Guard has commissioned the following buoys for the 2016 season:

Orca Inlet South Channel Buoy 1 (LLNR 25615)  
Orca Inlet South Channel Buoy 2 (LLNR 25615.1)  
Orca Inlet South Channel Buoy 1A (LLNR 25615.15)  
Orca Inlet South Channel Buoy 2A (LLNR 25615.2)  
Orca Inlet South Channel Buoy 3 (LLNR 25615.25)  
Orca Inlet South Channel Buoy 4 (LLNR 25615.3)  
Orca Inlet South Channel Buoy 5 (LLNR 25615.35)  
Orca Inlet South Channel Buoy 6 (LLNR 25615.4)  
Orca Inlet South Channel Buoy 7 (LLNR 25615.45)  
Orca Inlet South Channel Buoy 8 (LLNR 25615.5)  
Orca Inlet South Channel Buoy 9 (LLNR 25615.55)  
Orca Inlet South Channel Buoy 10 (LLNR 25615.6)  
Orca Inlet South Channel Buoy 11 (LLNR 25615.65)  
Orca Inlet South Channel Buoy 12 (LLNR 25615.7)  
Orca Inlet South Channel Buoy 13 (LLNR 25615.75)  
Orca Inlet South Channel Buoy 14 (LLNR 25615.8)  
Orca Inlet South Channel Buoy 16 (LLNR 25615.85)

Orca Inlet South Channel Buoy 18 (LLNR 25615.9)

Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 11/16

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

Arch Rock LT 3A has been destroyed and is temporarily discontinued. The temporary lighted green buoy 3A displaying a flashing green 2.5 second light has been relocated to position 53°52'35.048"N, 166°34'02.508"W, 40 yards SW of the previous position of LT 3A.

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

LNM: 11/16

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

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

LNM: 11/16

553 **ALASKA**

The National Weather Service (NWS), Alaska Division of Homeland Security and Emergency Management (DHS&EM), and the Alaska Broadcasters Association (ABA) will conduct a test of the Alaska Tsunami Warning System, as part of Tsunami Preparedness Week in Alaska, at approximately 301815 UTC which is 1015 Alaska Daylight Savings Time on March 30th, 2016. The test will be broadcast on radio and television stations and the broadcast will state that it is only a text. Some communities may activate their sirens. NOAA All Hazards Weather Radio listeners will hear a tone alert followed by a test message. After the test, feedback is desired and can be provided online at READY.ALASKA.GOV. This test will be cancelled in the event of any significant seismic activity. Questions/concerns should be directed to Mark Roberts with the Alaska DHS&EM at (907) 428-7100.

LNM: 10/16

554 **ALASKA – SOUTHCENTRAL – RESURRECTION BAY – SEWARD**

Turnagain Marine will be conducting dredging operations by a crane barge and excavator at the UAF Pier in Seward in approximate position 60°05'54.87"N, 149°26'34.58"W. Upland dredging has commenced and will continue for 2 weeks. A crane barge will be moved onto site on March 14th, 2016. The project is anticipated to be complete during the third week of March. Mariners are requested to minimize wake and speed while passing the dredging vessels. Direct questions/concerns to Buck Rockafellow at (907) 602-3020.

LNM: 09/16

556 **ALASKA**

The National Oceanic and Atmospheric Administration will be conducting an Alaska Nautical Charting Workshop from 0830 to 1700 Alaska Standard Time on March 22nd, 2016, in Anchorage, Alaska. Additional information is available in an enclosure to this LNM. Questions/concerns should be directed to LT Tim Smith at (907) 271-3327 or by email to timothy.m.smith@noaa.gov.

LNM: 07/16

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

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

LNM: 06/16

564 **ALASKA – SOUTHCENTRAL – COOK INLET – KACHEMAK BAY**

Fishing vessels participating in the State Pacific Cod Fisheries season in Cook Inlet and Kachemak Bay will be working fishing pots and gear through April 2016. Each set of gear will have individual lines and marking buoys. Some of this gear has been dropped in the vicinity of the following lines of position:

59°26.63'N, 151°58.89'W to 59°28.70'N, 151°57.90'W

59°29.12'N, 151°58.43'W to 59°30.86'N, 151°57.30'W

59°29.29'N, 151°55.33'W to 59°30.00'N, 151°52.90'W

All ship/tug traffic operating in the vicinity are recommended to transit the area with caution and steer clear of the fishing pots. For additional information please contact Mr. Erik Velsko at 907-299-6889.

LNM: 06/16

568 **ALASKA – SOUTHEAST – SECURITY BAY**

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

LNM: 05/16

569 **ALASKA**

Several recent groundings within Alaska have occurred because mariners relied on charts or chart plotters that displayed information that may have been incomplete or changed since the last survey. Much of the waters surrounding Alaska do not have a recent or complete survey. The survey information used to create a chart can be found on most charts in the "Source Diagram". An example (from Chart No. 1) of the Source Diagram (item 17) can be seen as an enclosure to this LNM. Mariners are also reminded that not all information (such as Source Diagrams) may be readily available on electronic charting programs and devices. Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 05/16

571 **ALASKA – SOUTHEAST – SITKA**

Construction is in progress on the replacement of the transient dock in Thomsen Harbor, Sitka, Alaska. Work will continue until approximately March 18th, 2016. This project includes a pile-driving barge that will be moored approximately 80 feet off the dock. Mariners are requested to maintain a safe distance and transit the area with caution. Questions/concerns should be directed to the Coast Guard Sector Juneau Command Center at (907) 463-2980 or on VHF/FM channel 16.

LNM: 02/16

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

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

LNM: 01/16

577 **ALASKA – SOUTHCENTRAL – KODIAK ISLAND**

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

LNM: 48/15

582 **ALASKA**

NOAA and Environment Canada are evaluating each country's freezing spray forecast models and tools in an effort to improve freezing spray forecasts. With ship observations of freezing spray, Environment Canada and NOAA scientists and forecasters will be able to better predict freezing spray conditions to protect life and property at sea. NOAA and Environment Canada are requesting mariners that encounter freezing spray to submit observations online at <http://go.usa.gov/WYbm> at their earliest convenience. Questions/concerns should be directed to LT Joseph Phillips, NOAA Commissioned Corps Technical Operations Coordination Meteorologist, National Weather Service, at (301) 683-1555 or by email to joseph.t.phillips@noaa.gov.

LNM: 45/15

583 **ALASKA – SOUTHEAST – GASTINEAU CHANNEL – DOUGLAS HARBOR**

Alaska Western Marine will be conducting bucket dredging operations in the Douglas Boat Harbor from November 10th, 2015 through March, 2016. The dredged material will be deposited mid-Gastineau channel East of Douglas Harbor. The operation will include the tug WALDO and the barges KEN CLARK, STAN BOICE, and STEVE MIDDLETON. Vessels transiting the area should monitor VHF/FM channels 13 and 16 for notices of tug/barge activity. For further information please contact the Juneau Harbormaster at (907) 586-5255 or the Assistant Port Engineer at (907) 586-0397.

612 **ALASKA – SOUTHEAST – GASTINEAU CHANNEL**

Manson Construction Co. will be rebuilding the Port of Juneau cruise ship berths from September 14th, 2015 through May 15th, 2016. Operations will include but are not be limited to pile driving, steel erection and welding, timber installation, installation of concrete pontoons and floats, heavy lifting and miscellaneous marine construction. Hours of operation are up to 24 hours per day 7 days per week but will typically take place from 6 am until 6 pm daily. Marine assets may stay on location during operational and non-operational periods. Two lighted mooring buoys have been established on either side of Gastineau Channel in position 58°17.7'N, 134°24.822'W flashing white 2.5 seconds and in position 58°17.65N, 134°25.236W flashing white 1 second. The vessels involved in the project are Derrick Barges SCANDIA and ANDREW, deck barges MANSON 70, MANSON 73 and MANSON 74, tugs PETER M and HARRY M and three work skiffs. When manned and operational the vessels are monitoring VHF-FM channel 8. Derrick barges will have anchors deployed with crown buoys locating each submerged anchor. Submerged anchor cables are also present and local mariners are requested to stay at least 1000 ft. from equipment. Mariners are requested to proceed with extreme caution, provide a wide berth, operate at a slow speed and keep to the Navigation Channel while transitioning in this area.

LNM: 38/15

623 **ALASKA – KODIAK – ALITAK BAY**

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

LNM: 37/15

637 **ALASKA – WESTERN – NOME**

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

LNM: 34/15

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

The Cook Inlet Navigation Channel was dredged during the summer of 2014 to a project depth of -38 feet (FT) mean lower low water (MLLW). A project condition survey was conducted on 16 April, 2015 in which the following controlling depths were recorded:

Left Outside Quarter 61°12'30.79"N, 150°03'55.12"W -38.0 FT MLLW Left Inside Quarter 61°12'20.44"N, 150°04'16.53"W -40.5 FT MLLW Right Inside Quarter 61°12'19.95"N, 150°04'11.43"W -40.4 FT MLLW Right Outside Quarter 61°12'00.70"N, 150°05'16.70"W -40.2 FT MLLW

A chartlet of the controlling depths as well as survey data are available on the U.S. Army Corps of Engineers (USACE), Alaska District website at:

<http://www.poa.usace.army.mil/About/Offices/ConstructionOperations/RiversandHarbors.aspx>

A condition survey of the channel is tentatively scheduled for May 2016. Questions/concerns should be directed to Donna West with the USACE Anchorage office at (907) 753-2761 or by email to Donna.L.West@usace.army.mil.

LNM: 31/15

705 **ALASKA – SOUTHEAST**

The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southeast Alaska. The initial coverage areas are Ketchikan, Juneau and Yakutat. Mariners are reminded to ensure that they have properly connected their GPS units to their DSC equipped marine VHF radios and registered for their Maritime Mobile Service Identity (MMSI) to utilize the DSC distress function. Additional information is available through the Alaska Outdoors Forum at

[http://forums.outdoorsdirectory.com/showthread.php/142083-Digital-Selective-Calling-\(DSC\)](http://forums.outdoorsdirectory.com/showthread.php/142083-Digital-Selective-Calling-(DSC)) or by contacting Mike Folkerts with the Coast Guard District 17 Boating Safety Office at (907) 463-2297 or by email to Michael.r.folkerts@uscg.mil.

LNM: 15/15

707 **ALASKA – SOUTHCENTRAL**

The U.S. Coast Guard has VHF Digital Selective Calling (DSC) capability with limited coverage in Southcentral Alaska. The initial coverage areas are Upper Cook Inlet, Kodiak and Valdez Arm. Mariners are reminded to ensure that they have properly connected their GPS units to their DSC equipped marine VHF radios and registered for their Maritime Mobile Service Identity (MMSI) to utilize the DSC distress function. Additional information is available through the Alaska Outdoors Forum at <http://forums.outdoorsdirectory.com/showthread.php/142083-Digital-Selective->

Calling-(DSC) or by contacting Mike Folkerts with the Coast Guard District 17 Boating Safety Office at (907) 463-2297 or by email to Michael.r.folkerts@uscg.mil.

LNM: 15/15

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

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

LNM: 05/15

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

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

LNM: 25/14

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

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

LNM: 25/14

872 **ALASKA**

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

LNM: 12/14

889 **ALASKA**

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

LNM: 05/14

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

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

LNM: 20/13

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

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

LNM: 11/13

995 **ALASKA**

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

LNM: 24/12

**ALASKA – SUBSURFACE AND SURFACE BUOYS**

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

LNM: 38/11

**ALASKA**

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

LNM: 03/11

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**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.

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**DISCREPANCIES (FEDERAL AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1187	NOAA Data Lighted Buoy 46078	OFF STA	16580	A193-15	47/15	
22005	Point Davison Light	DAYMK MISSING	17434	J195-15	44/15	
23305.7	Keku Strait Daybeacon 10	MISSING	17368	J148-13	32/13	
23305.9	Keku Strait Daybeacon 13	STRUCT DEST	17368	J103-15	23/15	
23305.95	Keku Strait Buoy 14	MISSING	17372	J032-16	06/16	
23315	Kake Entrance Light 2	STRUCT DEST	17368	J086-15	18/15	
23515	Washington Bay Light	LT EXT	17370	J038-16	08/16	
23880	Eldred Rock Light	REDUCED INT	17317	J142-15	32/15	
24060	Kootznahoo Inlet Daybeacon 6	STRUCT DEST	17339	J137-15	31/15	
24210	South Inian Pass Rock Lighted Bell Buoy 6	LT EXT	17302	J068-15	12/15	
24545	Hermanos Islands Reef Lighted Bell Buoy 8	BUOY DMGD	17405	J036-16	07/16	
24948	Indian River Flats Lighted Buoy 2	LT EXT	17327	J028-16	06/16	
25080	Olga Strait Light 9	STRUCT DMGD	17324	H051-15	08/15	
25355	Dippy Island Rock Daybeacon 3	DAYMK DMGD	17321	J216-15	51/15	
25646	NOAA Data Lighted Buoy 46060	MISSING	16709	A018-16	06/16	
25647	NOAA Data Lighted Buoy 46081	LT EXT	16705	A139-15	34/15	
26410	Fire Island Range Front Light	LT EXT	16665	A010-16	03/16	
26435	Point Woronzof Range Front Light	LT EXT	16665	A033-16	10/16	
<b>26732</b>	<b>St. Herman Harbor South Entrance Light 3</b>	<b>DAYMK DMGD</b>	<b>16595</b>	<b>A035-16</b>	<b>11/16</b>	
27270	Bechevin Bay Buoy 4	MISSING	16535	A030-16	07/16	
27290	Bechevin Bay Buoy 8	OFF STA	16535	A137-15	32/15	
27300	Chunak Point Daybeacon 2	DAYMK DMGD	16535	A089-13	15/13	
27545	NOAA Data Lighted Buoy 46071	MISSING	16440		14/15	
27610	Hague Channel Lighted Buoy 8	LT EXT	16363	A115-15	28/15	

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
22665	Point Highfield Reef Daybeacon	WATCHING PROPERLY	17384	J046-16	44/15	11/16
25015	Battery Island Light 6	WATCHING PROPERLY	17327	J048-16	10/16	11/16

**DISCREPANCIES (PRIVATE AIDS)**

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

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

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

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

**TEMPORARY CHANGES**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
23800	Gibby Rock Light 2	TRLB	17315	J061-13	13/13	
23920	Indian Rock Light	DISCONTINUED	17317	J163-15	36/15	
27503	Arch Rock Light 3A	DISCONTINUED	16530	A170-15	41/15	

**TEMPORARY CHANGES CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

## SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

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

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR					CGD01	
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3				at 40-41-09.001N	074-02-48.001W
	Green can					
Corrective Action	Object of Corrective Action				Position	

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.

Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

<b>500</b>	<b>10th Ed.</b>	<b>01-DEC-15</b>	<b>Last LNM: 09/16</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: West Coast Of North America Dixon Ent To Unimak Pass</i>						
<b>Main Panel 2402 W. COAST OF N. AMERICA DIXON ENT-UNIMAK PASS. Page/Side: A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W
<b>530</b>	<b>35th Ed.</b>	<b>01-DEC-15</b>	<b>Last LNM: 09/16</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: North America West Coast San Diego to Aleutian Islands and Hawaiian Islands</i>						
<b>Main Panel 2405 SAN DIEGO TO ALEUTIAN ISLANDS AND HAWAIIAN ISLANDS. Page/Side: A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W
<b>531</b>	<b>25th Ed.</b>	<b>01-JUL-15</b>	<b>Last LNM: 09/16</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: Gulf of Alaska Strait of Juan de Fuca to Kodiak Island</i>						
<b>Main Panel 2406 GULF OF ALASKA STRAIT OF JUAN DE FUCA TO KODIAK ISL. Page/Side: A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W
<b>16016</b>	<b>22nd Ed.</b>	<b>01-AUG-12</b>	<b>Last LNM: 45/15</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: Dixon Entrance to Cape St. Elias</i>						
<b>Main Panel 2419 DIXON ENTRANCE TO CAPE ST. ELIAS. Page/Side: N/A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W
<b>17320</b>	<b>19th Ed.</b>	<b>01-NOV-13</b>	<b>Last LNM: 49/15</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: Coronation Island to Lisianski Strait</i>						
<b>Main Panel 2644 CORONATION ISLAND TO LISIANSKI STRAIT. Page/Side: N/A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W
<b>17323</b>	<b>13th Ed.</b>	<b>01-MAR-15</b>	<b>Last LNM: 10/15</b>	<b>NAD 83</b>		<b>11/16</b>
<i>Chart Title: Salisbury Sound, Peril Strait and Hoonah Sound</i>						
<b>CHART SALISBURY SOUND, PERIL STRAIT AND HOONAH SOUND, SERGIUS NARROWS, PERIL STRAIT. Page/Side: N/A</b>						
RELOCATE	Klokachef Island Light				CGD17 from 57-24-12.048N to 57-24-12.138N	135-54-22.440W 135-54-22.338W

ChartTitle: Sitka Sound to Salisbury Sound, Inside Passage;Neva Str.-Neva Pt. to Zeal Pt.

**CHART SITKA SOUND TO SALISBURY SOUND, INSIDE PASSAGE, NEVA STRAIT. Page/Side: N/A**

RELOCATE	Battery Island Light 6	CGD17 from 57-03-35.298N to 57-03-34.614N	135-22-54.056W 135-22-54.534W
RELOCATE	Crescent Harbor East Breakwater Light 4	CGD17 from 57-02-57.321N to 57-02-57.414N	135-19-48.959W 135-19-48.774W

ChartTitle: Crawfish Inlet to Sitka, Baranof I.;Sawmill Cove

**CHART CRAWFISH INLET TO SITKA, BARANOF I., SAWMILL COVE. Page/Side: N/A**

RELOCATE	Battery Island Light 6	CGD17 from 57-03-35.298N to 57-03-34.614N	135-22-54.056W 135-22-54.534W
RELOCATE	Crescent Harbor East Breakwater Light 4	CGD17 from 57-02-57.321N to 57-02-57.414N	135-19-48.959W 135-19-48.774W

ChartTitle: Sitka Harbor and approaches;Sitka Harbor

**CHART SITKA HARBOR AND APPROACHES. Page/Side: N/A**

RELOCATE	Battery Island Light 6	CGD17 from 57-03-35.298N to 57-03-34.614N	135-22-54.056W 135-22-54.534W
RELOCATE	Crescent Harbor East Breakwater Light 4	CGD17 from 57-02-57.321N to 57-02-57.414N	135-19-48.959W 135-19-48.774W

**OIL RIG MOVEMENT**

**Drill Rigs/Vessels Removed**

<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
None						

**Drill Rigs/Vessels Established**

<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
59-36-12.600N	151-24-31.200W	-	RANDOLPH YOST		JACKUP	STACKED
60-05-10.200N	149-21-25.800W	-	Spartan Rig 151		JACKUP	UNREPORTED

**SECTION V - ADVANCE NOTICES**

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

<u>Approved Project(s)</u>	<u>Project Date</u>	<u>Ref. LNM</u>
None		

Advance Notice(s)

**ALASKA – SOUTHCENTRAL – PRINCE WILLIAM SOUND**

The Coast Guard intends to remove the bell from Knowles Head LBB (LLNR 25645) in the Spring of 2016. Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 02/16

**SECTION VI - PROPOSED CHANGES**

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

**PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT**

Proposed Project(s)

Closing

Docket No.

Ref. LNM

None

Proposed Change Notice(s)

**ALASKA – SOUTHWESTERN – AKUTAN HARBOR**

The Coast Guard is considering removing the red sector from the Akutan Harbor Sector LT (LLNR 27430). Questions/concerns should be directed to Todd Buck with the Coast Guard Waterways Management Office at (907) 463-2269 or by email to todd.r.buck@uscg.mil.

LNM: 01/16

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**SECTION VII - GENERAL**

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

None

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**SECTION VIII - LIGHT LIST CORRECTIONS**

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1035 25165	KLOKACHEF ISLAND LIGHT	57-24-12.138N 135-54-22.338W	Fl W 6s	85	7	NR on square frame.	Obscured from 155.5° to 291°.
		*					
24970	CRESCENT HARBOR EAST BREAKWATER LIGHT 4	57-02-57.414N 135-19-48.774W	Fl R 2.5s	19	4	TR on square frame.	11/16
		*					
25015	BATTERY ISLAND LIGHT 6	57-03-34.614N 135-22-54.534W	Fl R 6s	16	4	TR on small house.	Obscured from 263° to 061°.
		*					
25165 1035	KLOKACHEF ISLAND LIGHT	57-24-12.138N 135-54-22.338W	Fl W 6s	85	7	NR on square frame.	Obscured from 155.5° to 291°.
		*					

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**PUBLICATION CORRECTIONS**

None

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**ENCLOSURES**

**ALASKA**

[4515 NOAA Freezing Spray.pdf](#)  
NOAA Freezing Spray Request

LNM: 45/15

**ALASKA**

[AIS ATON Announcement.pdf](#)  
Information about USCG Test of Automatic Identification System (AIS) Aids to Navigation (ATON).

LNM: 05/14

**ALASKA**

[1116 AMSEA.pdf](#)

AMSEA Maritime Training

LNM: 11/16

**ALASKA – SOUTHEAST – SOUTHERN CHATHAM STRAIT**

[0616 NMFS Moorings.pdf](#)

NMFS Reference mooring chartlet

LNM: 06/16

**ALASKA**

[0716 NOAA Charting Workshop.pdf](#)

Alaska Nautical Charting Workshop

LNM: 07/16

**ALASKA**

[0516 Chart Source Diagram.pdf](#)

Chart Source Diagram

LNM: 05/16

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

## Freezing Spray Observations – All Coastal and High Seas Waters

NOAA and Environment Canada are evaluating each country's freezing spray forecast models and tools in an effort to improve freezing spray forecasts. With ship observations of freezing spray, Environment Canada and NOAA scientists and forecasters will be able to better predict freezing spray conditions to protect life and property at sea. NOAA and Environment Canada are requesting mariners that encounter freezing spray to submit observations online at <http://go.usa.gov/WYbm>.

National Oceanic and Atmospheric Administration • Environment Canada

# WANTED: Freezing Spray and Icing Observations

*Ever experience  
freezing spray  
conditions on your  
vessel? Report it!*



Ice accumulated on  
NOAA Ship Oscar Dyson  
Photo credits: NOAA Office of  
Marine and Aircraft Operations

**Send us your observation:**

Date & Time  
Latitude & Longitude  
Icing conditions and rate  
Air temperature  
Sea conditions  
Wind conditions  
Relative Humidity

Online reporting form:  
<http://go.usa.gov/WYbm>



Freezing spray is an important safety issue in coastal Canadian and United States waters. In an effort to improve freezing spray forecasts, NOAA and Environment Canada are teaming up to evaluate each country's freezing spray forecast models and tools. Analysis of freezing spray cases, forecaster feedback, and ship observations will allow Environment Canada and NOAA scientists and forecasters to better predict dangerous freezing spray conditions to protect life and property at sea.

**The success of this study depends on you: whenever possible, please report icing conditions to NOAA and Environment Canada**

Send reports online :  
<http://go.usa.gov/WYbm>



**Environment  
Canada**



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

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

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

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

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### Example of Local Notice to Mariners Chart Corrections for AIS ATONs

#### Chart Correction for *Real AIS ATON*

<b>12326</b>	<b>52nd Ed.</b>	<b>01-JUNE-13</b>	<b>Last LNM: 53/13</b>	<b>NAD 83</b>		<b>LNM/14</b>
<i>Chart Title: Approaches to New York</i>						
ADD		Magenta circle AIS Chart No. 1: S17.2 to ABC Channel Lighted Whistle Buoy A and			CGD 40-27-27.991N	073-50-12.228W
CHANGE		Characteristic to RW "A" Mo (A) WHIS Racon ( " ) AIS				

#### Chart Correction for *Synthetic AIS ATON*

<b>18649</b>	<b>68th Ed.</b>	<b>01-JUNE-13</b>	<b>Last LNM: 52/13</b>	<b>NAD 83</b>		<b>LNM/14</b>
<i>Chart Title: Entrance to San Francisco Bay</i>						
ADD		Magenta circle AIS Chart No. 1: S17.2 to ABC Approach Lighted Whistle Buoy AB and			CGD 37-44-59.749N	122-41-33.940W
CHANGE		Characteristic to RW "AB" Mo (A) WHIS Racon ( - ) AIS				

#### Chart Correction for *Virtual AIS ATON*

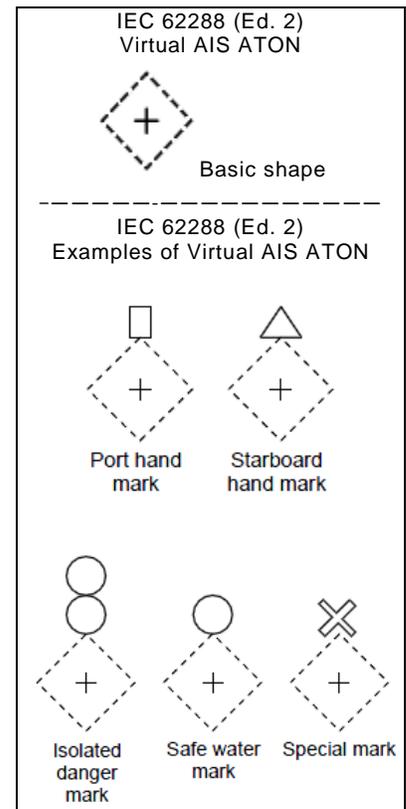
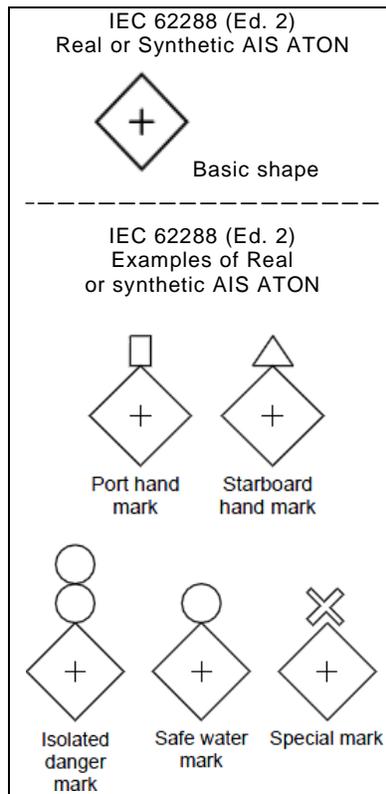
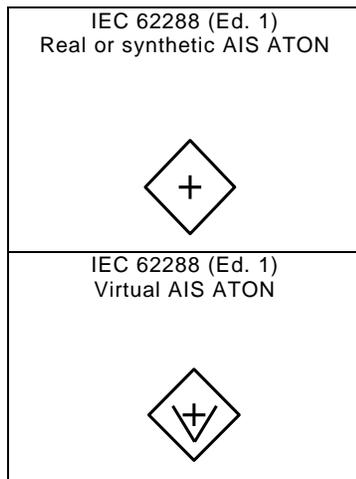
<b>12314</b>	<b>33rd Ed.</b>	<b>01-JUNE-12</b>	<b>Last LNM: 51/13</b>	<b>NAD 83</b>		<b>LNM/14</b>
<i>Chart Title: Delaware River Philadelphia to Trenton</i>						
ADD		ABC Railroad Bridge South Starboard V-AIS ATON Chart No. 1: S18.2		to	CGD 39-58-55.059N	075-04-06.856W
ADD		ABC Railroad Bridge South Port V-AIS ATON Chart No. 1: S18.2		to	38-58-55.803N	076-23-04.547W

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

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

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





## Alaska Marine Safety Education Association

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

### For Immediate Release

Date Issued: March 14, 2016

Kill date: March 25, 2016

### AMSEA Workshops of Interest to Mariners in District 17

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

#### Fishing Vessel Drill Conductor Workshops

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

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

START DATE	END DATE	LOCATION	STATE
03/18/2016	03/19/2016	Sitka	AK
03/18/2016	03/19/2016	Unalaska	AK
03/26/2016	03/27/2016	Anchorage	AK
04/01/2016	04/02/2016	Haines	AK
04/03/2016	04/04/2016	Haines	AK
04/07/2016	04/08/2016	Petersburg	AK
04/18/2016	04/18/2016	Seward	AK
04/20/2016	04/20/2016	Homer	AK
05/11/2016	05/12/2016	Sitka	AK

#### Marine Safety Instructor Training

The MSIT is an intensive train-the-trainer course that prepares individuals to effectively teach cold-water survival procedures, use of marine safety equipment, and vessel safety

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

drills. Upon completion of the course, participants will be prepared to teach AMSEA's U.S. Coast Guard accepted Fishing Vessel Drill Conductor training, pending authorization from the Coast Guard.

Topic covered during the course include:

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

START DATE	END DATE	LOCATION	STATE
04/12/2016	04/17/2016	Seward	AK
09/19/2016	09/24/2016	Sitka	AK

### **Mariner's First Aid & CPR**

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

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

START DATE	END DATE	LOCATION	STATE
03/17/2016	03/17/2016	Sitka	AK
05/10/2016	05/10/2016	Sitka	AK

### **Fishing Vessel Stability**

AMSEA will conduct the workshop, "Upright & Watertight: Fishing Vessel Stability Awareness & Damage Control for Commercial Fishermen" in Homer, AK on April 21, 2016, from 8:00 AM

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

to 3:00 PM. This workshop will be held at the Kachemak Bay Campus of Kenai Peninsula College, 533 East Pioneer Avenue.

Instructor Jerry Dzugan will cover:

- Basic Terminology of Stability
- Owner Responsibilities & Requirements
- What are Stability, Buoyancy, and Gravity?
- Vessel Stability: How Does it Work?
- Stability Risks
- Seamanship
- Damage Control
- Risk Factors for Different Fisheries and Operations
- How to Calculate, Evaluate, and Display Your Vessel's Stability
- How Stability Guidance is Created
- The "Roll Test"

Thanks to support from the U.S. Coast Guard, this training is offered FREE to commercial fishing vessel owners, skippers and crewmen. Call the KBC campus at 907-235-7743 to register or stop by Pioneer Hall on Pioneer Avenue.

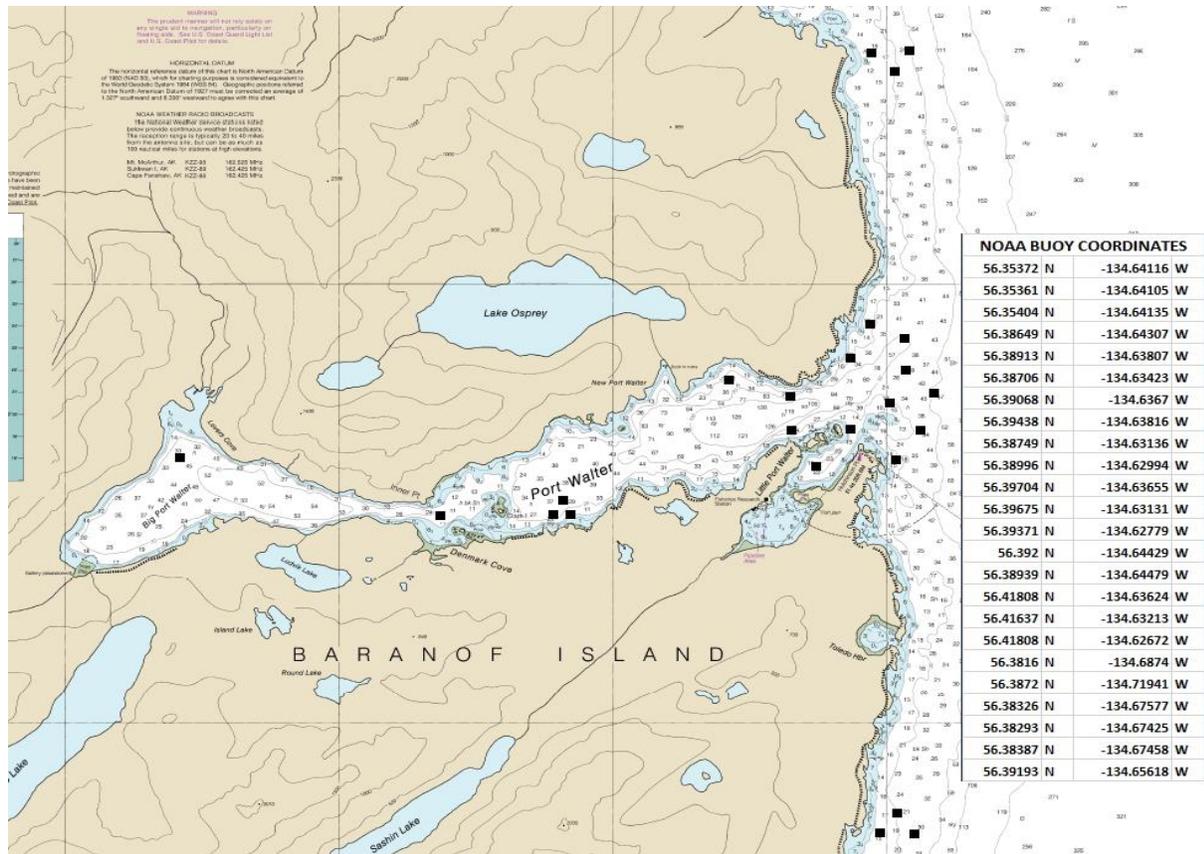
# Autonomous Underwater Vehicle and Juvenile Salmon Tracking Project Summary

## Reference Mooring Deployment

### National Marine Fisheries Service, Auke Bay Laboratories

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

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



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

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

**Join the discussion**



# Alaska Nautical Charting Workshop

**March 22, 2016  
8:30 a.m. - 5:00 p.m.**

**222 West 8th Ave.  
Conference Room A/B/C  
Anchorage, Alaska 99513**

Please bring a photo ID to enter this federal facility.

**Join the experts from NOAA's Office of Coast Survey for some deep dives into plans for future hydrographic surveys and nautical charts.**

**NOAA cartographers, surveyors, and technology experts want to hear from you, as they plan for the next generation of navigational products and services to support Alaska's vital maritime interests.**

**Register today!**

Email [timothy.m.smith@noaa.gov](mailto:timothy.m.smith@noaa.gov) or [amy.holman@noaa.gov](mailto:amy.holman@noaa.gov)

**NOAA Coast Survey**

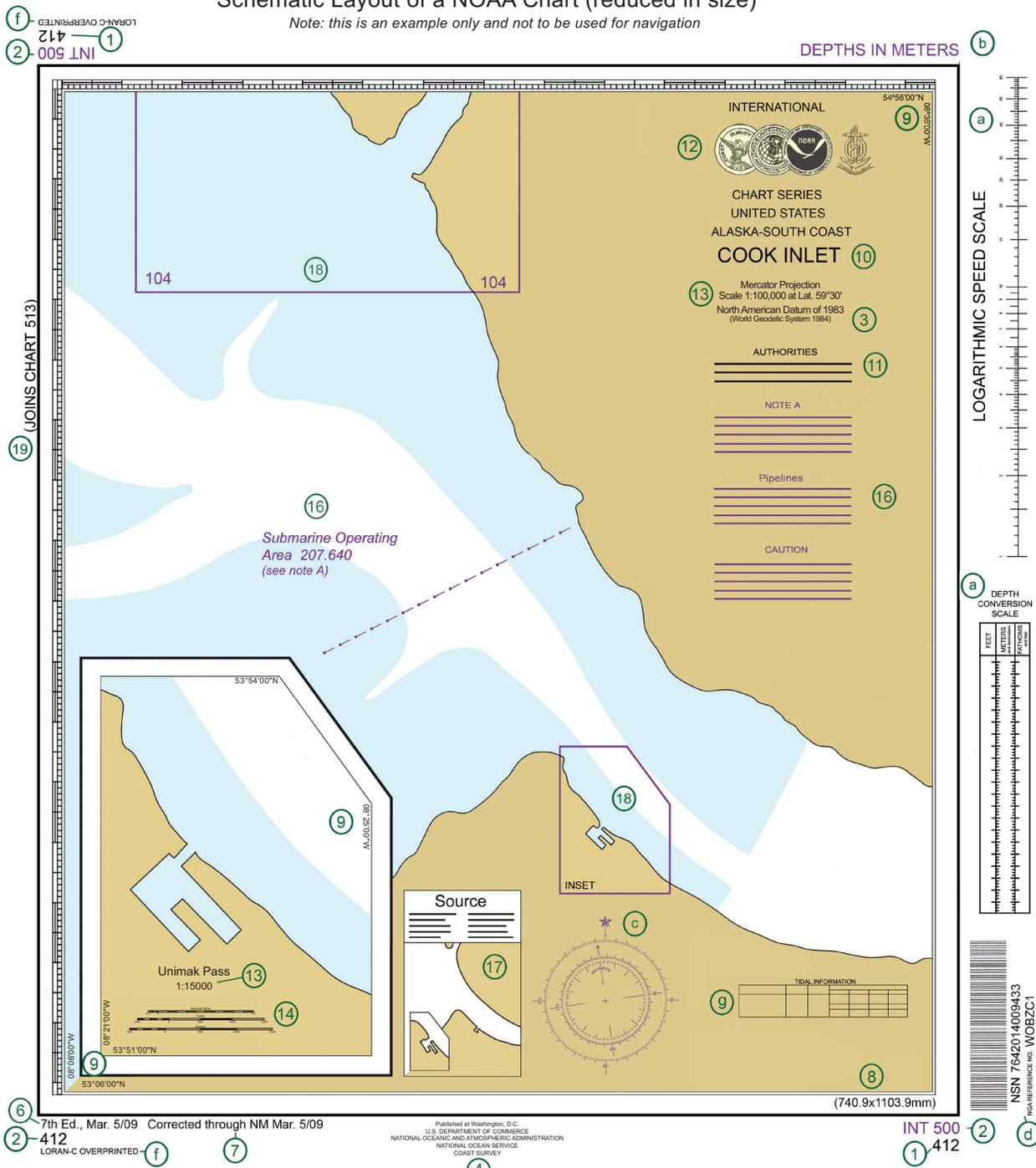


THE NATION'S CHARTMAKER SINCE 1807

**nauticalcharts.noaa.gov**

Schematic Layout of a NOAA Chart (reduced in size)

Note: this is an example only and not to be used for navigation



Magnetic Features → B	
Tidal Data → H	
①	Chart number in national chart series
②	Chart number in international (INT) series (if any)
③	Reference ellipsoid of the chart
④	Publication note (imprint)
⑤	Copyright note
⑥	Date of current edition
⑦	Notice to Mariners corrections
⑧	Dimensions of inner borders
⑨	Corner coordinates
⑩	Chart title
⑪	Explanatory notes on chart construction, etc. To be read before using chart.
⑫	Seal(s)
⑬	Scale of chart. Some charts have scale at a stated latitude.
⑭	Linear scale on large scale charts

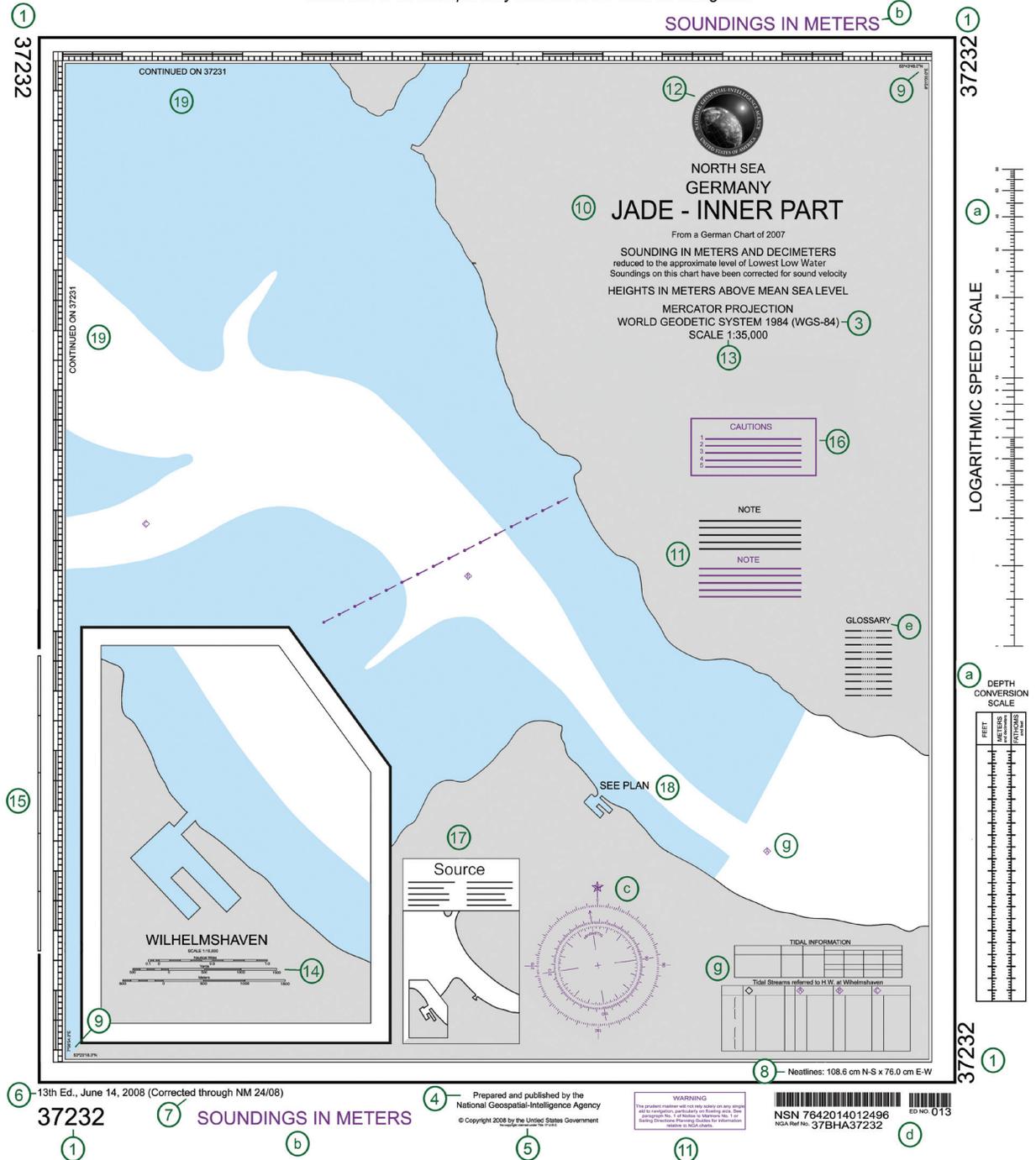
# Schematic Layout of an NGA Chart (reduced in size)

Note: this is an example only and not to be used for navigation

A

Chart Number, Title, Marginal Notes

15	Linear border scale on large scale charts. On smaller scales use latitude borders for sea miles.
16	Cautionary notes (if any). Information on particular features, to be read before using chart.
17	Source Diagram (if any). Navigators should be cautious where surveys are inadequate.
18	Reference to a larger scale chart
19	Reference to an adjoining chart of similar scale
a	Conversion scales
b	Reference to the units used for depth measurement
c	Compass rose
d	Bar code and stock number
e	Glossary: Translation of words on chart that are not in English
f	Identification of a latticed chart (if any)
g	Tidal and Tidal Stream information within the chart coverage



13th Ed., June 14, 2008 (Corrected through NM 24/08)

37232

SOUNDINGS IN METERS

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