NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

1st Ed. Oct.1978 KAPP 2537

16553

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

POPOF STRAIT
NORTHERN PART

Mercator Projection
Scale 1:20,000 at Lat 55° 25'

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

KAPP 2538

DELAROF HARBOR
Mercator Projection
Scale 1:20,000 at Lat 55° 25'

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

KAPP 2539

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES
ALASKA - ALASKA PENINSULA

SHUMAGIN ISLANDS
NAGAI ISLAND TO UNGA ISLAND

Mercator Projection
Scale 1:80,000 at Lat 55° 25'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

SCALE 1:80,000
Nautical Miles
Statute Miles
Yards

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 2.958" southward and 7.33" westward to agree with this chart.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

TIDAL INFORMATION

PLACE NAME	(LAT&LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Dont Point, Stepovak Bay	(55°47'N/159°53'W)	7.6	6.8	1.3
Sanborn Harbor, Nagai Island	(55°09'N/159°39'W)	7.2	6.5	1.3
Pirate Cove, Popof Island	(55°22'N/160°22'W)	7.4	6.7	1.3
Sand Point, Popof Island	(55°35'N/160°30'W)	7.2	6.5	1.3
Albatross Anchorage, Balboa Bay	(55°35'N/160°37'W)	7.6	6.9	1.4
Zachary Bay, Unga Island	(55°20'N/160°37'W)	7.5	6.7	1.3

Dashes (- -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
(Jan 2011)

For Symbols and Abbreviations see Chart No. 1

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 9 for important supplemental information.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION
Tidal observations made by the National Ocean Service at Sand Pt., Popof Island, since the earthquake of March 27, 1964 indicated no bottom uplift or subsidence as a result of the earthquake. However, mariners are urged to use caution when navigating in the area of this chart due to possible changes in depths and shoreline in areas other than this selected site.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.
Refer to charted regulation section numbers.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

NOTE B
AREA TO BE AVOIDED (ATBA)
All ships 400 gross tonnage and upwards solely in transit should avoid the Area. This Area is IMO-Adopted (MSC.IMO.SN.1/Circ.331), to be implemented at 0000 UTC, JAN 1, 2016.

NOTE X
Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Sand Point, AK WNG-714 162.550 MHz

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

A	1990-2007	NOS Surveys	full bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage

COLREGS, 80.1750 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

CONTINUED ON CHART 16540

JOINS CHART 16551

JOINS CHART 16556

7th Ed., Mar 2011
16553

Last Correction: 12/10/2015. Cleared through:
LNM: 4616 (11/15/2016), NM: 4616 (11/12/2016), CHS: 1016 (10/28/2016)

CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).
If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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FATHOMS / FEET / METERS

Nagai Island to Unga Island
SOUNDINGS IN FATHOMS - SCALE 1:80,000

16553