UNITED STATES

ALASKA - ALEUTIAN ISLANDS

UNALASKA ISLAND

KULILIAK BAY TO SURVEYOR BAY

Mercator Projection
Scale 1:40,000 at Lat 53°20'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

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

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Kulilak Bay	(53°28'N/167°9'W)	5.6	5.0	1.5

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 NOS (Nctidesandcurrents.noaa.gov) (Feb 2014).

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey.

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

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

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.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical
Al alternating
Bk black
Bn beacon
Dia diameter
DIA diaphone
F fixed
Fl flashing
G green
IQ interrupted quick
Iso isophase
LT HO lighthouse
Mo(A) morse code
m minutes
MICRO TR microwave tower
Mkr marker
Mo morse code
R red
Ra Ref radar reflector
R Bn radiobeacon
R TR radio tower
Rot rotating
s seconds
SEC sector
VQ very quick
W white
WHIS whistle
Y yellow

Bottom characteristics:
Bds boulders
bk broken
Cy clay
Co coral
G gravel
Grs grass
gy gray
h hard
M mud
Ms mussels
Oys oysters
Pk rock
S sand
so soft
Sh shells
sy sticky

Miscellaneous:
AUTH authorized
EO existence doubtful
(D) Wrecks, rock, obstruction, or shoal swept clear to the depth indicated.
(U) Rocks that cover and uncover, with heights in feet above datum of soundings.
Obstr obstructions
PA position approximate
PD position doubtful
Rep reported
Subm submerged

SCALE 1:40,000
Nautical Miles 0 1
Statute Miles 0 1 2
Yards 1000 0 1000 2000 3000 4000 5000
Meters 1000 0 1000 2000 3000 4000 5000

The contour lines are hill shapes, sketched to afford the navigator a generalized indication of the character of the land forms. They should not be relied upon as lines of equal elevation.

COLREGS, 80.1705 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

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.

HORIZONTAL DATUM
This 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 3.15" southward and 6.77" westward to agree with this chart.

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).

AREA TO BE AVOIDED (ATBA)
The entire area of this chart falls within an Area to be Avoided. All ships 400 gross tonnage and upwards solely in transit should avoid the Area. This Area is IMO-Adopted (IMSC.IMO SN.1/Circ.331), to be implemented at 0000 UTC, JAN 1, 2014.

PROHIBITED AREA
Unalaska Island is a Naval Defense Sea Area and Airspace Reservation. No vessels or aircraft, except those authorized by the Secretary of the Navy, shall be navigated in the Naval Airspace Reservation (33 CFR 334.1220).
The restrictions imposed upon the use of the Naval Airspace Reservation has been suspended subject to reinstatement without notice at any time.

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.

Unalaska, AK	WXK-69	162.550 MHz

LOCAL MAGNETIC DISTURBANCE
Differences of as much as 3° from the normal variation have been observed at Huddle Rocks and at Lenox Pass.

LOCAL MAGNETIC DISTURBANCE
Differences of as much as 6° from the normal variation have been observed at Cape Asia.

Unexploded ordnance (reported 2013) (see note)

SOURCE

B4 1900-1939 NOS Surveys partial bottom coverage

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been bandied 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.

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 seaward limit of inland waters, is now a line within the territorial sea. It is the seaward 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.

CAUTION
UNEXPLODED ORDNANCE
Mariners are cautioned against anchoring, dredging, or trawling within the area of the cautionary block lines due to the presence of unexploded ordnance.

CONTINUED ON CHART 16500

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 for the dates shown in the last correction block. Prior corrections and updates may be found in earlier Notice to Mariners published after the dates shown in the lower left corner. Not to be used after the next edition is published.

5th Ed., May 2014. Last Correction: 12/10/2015. Cleared through:
LNM: 4916 (12/6/2016), NM: 5116 (12/17/2016), CHS: 1116 (11/25/2016)

To ensure that this chart was printed at the proper scale, the line below should measure as inches (1/2 millimeters).
If the line does not measure as inches (1/2 millimeter), this strip is not certified safe for navigation.

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

SOUNDINGS IN FATHOMS

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Kulilliak Bay to Surveyor Bay
SOUNDINGS IN FATHOMS • SCALE 1:40,000

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