UNITED STATES

ALASKA - WEST COAST

KUSKOKWIM RIVER

KUSKOKWIM BAY TO BETHEL

Mercator Projection
Scale 1:100,000 at Lat 60°21'30"

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1

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
Popokamute	(60°07'N/162°30'W)	11.0	8.9	0.6
Apokak Creek	(60°08'N/162°10'W)	12.0	9.9	0.5
Bethel	(60°48'N/161°45'W)	3.7	2.8	0.3
Helmick Point	(60°16'N/162°25'W)	10.2	8.3	0.6
Lomavik	(60°33'N/162°18'W)	7.9	6.3	0.7

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.

(Feb 2013)

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.

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.

SUPPLEMENTAL INFORMATION

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

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 2.739" southward and 8.225" westward to agree with this chart.

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.

Bethel, AK WNG-675 162.550 MHz

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

AIDS TO NAVIGATION

Consult Office of the Commander, 17th Coast Guard District in Juneau, Alaska for supplemental information concerning aids to navigation.

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

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

WARNING

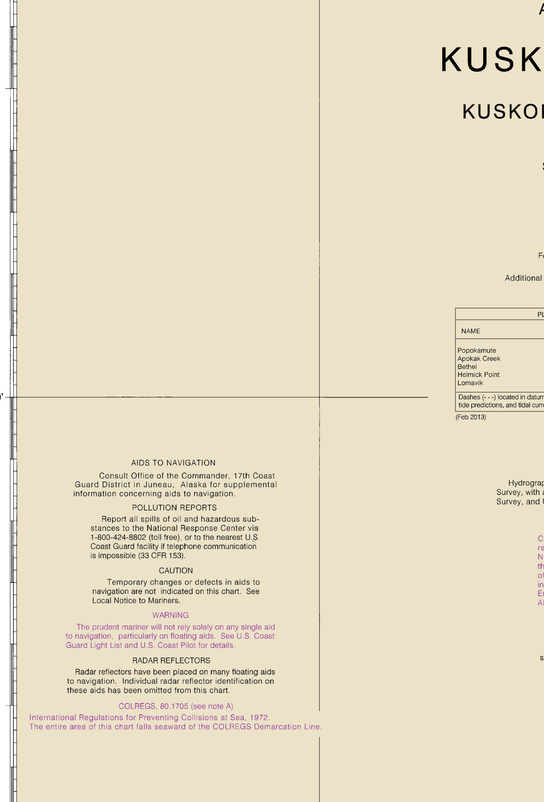
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

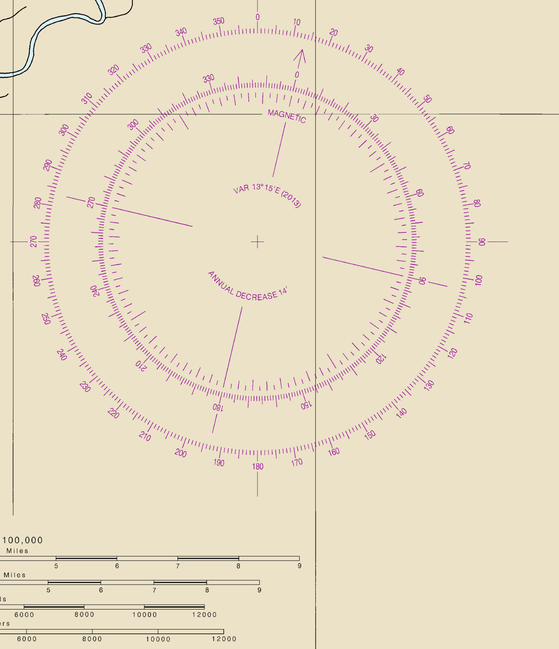
RADAR REFLECTORS

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

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.





SCALE 1:100,000

Nautical Miles 1 0 1 2 3 4 5 6 7 8 9

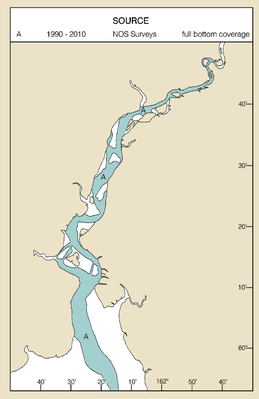
Statute Miles 1 0 1 2 3 4 5 6 7 8 9

Yards 2000 0 2000 4000 6000 8000 10000 12000

Meters 2000 0 2000 4000 6000 8000 10000 12000

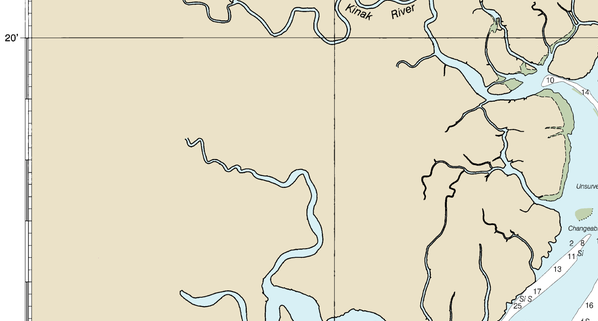
SOURCE

A 1990 - 2010 NOS Surveys full 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 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.



SCALE 1:100,000

Nautical Miles 1 0 1 2 3 4 5 6 7 8 9

Statute Miles 1 0 1 2 3 4 5 6 7 8 9

Yards 2000 0 2000 4000 6000 8000 10000 12000

Meters 2000 0 2000 4000 6000 8000 10000 12000

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102

METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

NOTE B

The Kuskokwim Bay and Kuskokwim River are known to undergo constant change from year to year. Depths on this chart reflect conditions surveyed in 2010. Extreme caution and continuous soundings are necessary to navigate these waters.

The deep draft channel from Kuskokwim Bay Buoy 12 (59°53'41.6"N, 162°15'19.7"W) northward to Bethel is marked marked by about 36 red or green loam buoys from June 1 through October 1 each year.

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.

CONTINUED ON CHART 16300

16304

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.

This chart is canceled. No new editions will be issued.

3rd Ed., Apr. 2013. Last Correction: 9/29/2021. Cleared through
LNM: 48/22 (11/15/2022), NM: 48/22 (11/26/2022), CHS: 1022 (10/28/2022)
To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).

SOUNDINGS IN FEET

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

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

Kuskokwim Bay to Bethel
SOUNDINGS IN FEET - SCALE 1:100,000

16304

1058.6mm x 736.0mm