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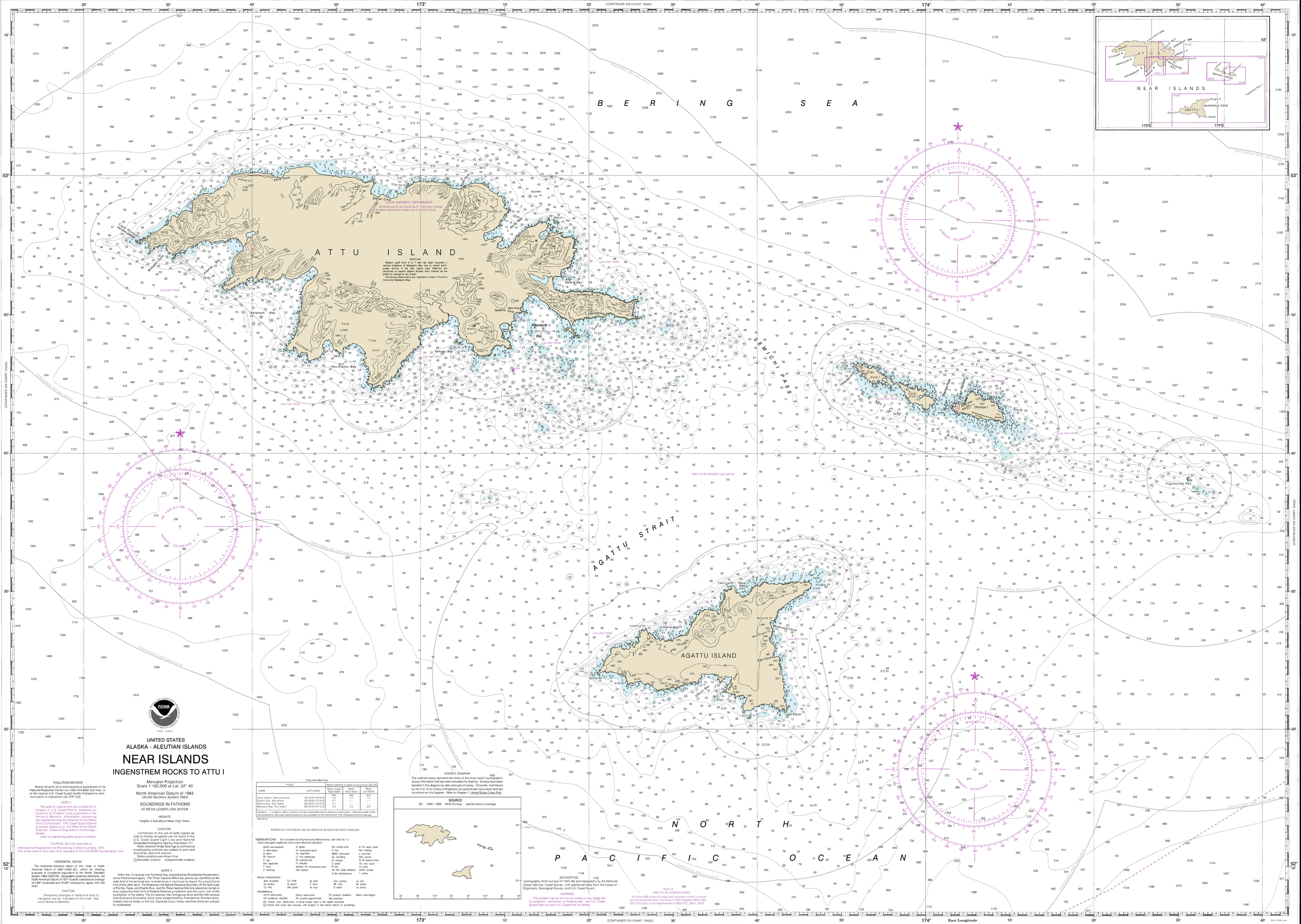
1st Ed. Apr. 1944 KAPP 2469

SOUNDINGS IN FATHOMS

16421



UNITED STATES
ALASKA - ALEUTIAN ISLANDS

NEAR ISLANDS

INGENSTREM ROCKS TO ATTU I

Mercator Projection
Scale 1:160,000 at Lat. 52° 40'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

HEIGHTS
Heights in feet above Mean High Water.

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) ⊙(Approximate location)

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.

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).

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.

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.

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 5.86" southward and 10.90" westward to agree with this chart.

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

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
Alcan Harbor, Shemya Island	(52°44'N/174°06'E)	3.4	3.1	1.2
Stalker Cove, Attu Island	(52°39'N/173°24'E)	3.7	—	—
Bay of Islands, Agattu Island	(52°23'N/173°23'E)	3.8	—	—
Massacre Bay, Attu Island	(52°50'N/173°12'E)	3.9	3.0	0.6

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. (Apr 2016)

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

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated)

AERO aeronautical	G green	Mo morse code	R Tft radio tower		
Al alternating	IQ interrupted quick	N non	Rot rotating		
Bl black	Iso isophase	OBSC obscured	s seconds		
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector		
C can	M nautical mile	Or orange	St M statute miles		
DIA diaphone	m minutes	Q quick	VQ very quick		
F fixed	MICRO Tft microwave tower	R red	W white		
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle		
		R Bn radiobeacon	Y yellow		

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy stony

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED evidence doubtful	PA position approximate	Rep reported	

⚓ Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

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
B3 1940 - 1969 NOS Surveys partial bottom coverage

AUTHORITIES
Hydrography (from surveys of 1943-46) and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

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.

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 IMSC.0000 SN.1/Circ.335; to be implemented at 0000 UTC, JAN 1, 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 for 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.

11th Ed., May 2015. Last Correction: 6/21/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 4916 (12/3/2016), CHS: 1116 (11/25/2016)

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.

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SOUNDINGS IN FATHOMS

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

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

Near Islands - Ingenstrem Rocks to Attu I.
SOUNDINGS IN FATHOMS - SCALE 1:160,000

16421

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