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

1st Ed., January 2001 KAPP 2540

SCALE 1:80,000
Nautical Miles 0 1 2 3 4 5
Yards 1000 0 2000 4000 6000 8000 10000
Meters 1000 0 2000 4000 6000 8000 10000

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

16561

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

ALASKA - ALASKA PENINSULA

MITROFANIA BAY AND KUIUKTA BAY

Mercator Projection
Scale 1:80,000 at Lat. 56°

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.

HEIGHTS
Heights of rocks, bridges, landmarks and lights are in feet and refer to Mean High Water. Contour and summit elevation values are in feet and refer to Mean Sea Level.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U.S. Coast Guard, Geological Survey, and National Geospatial-Intelligence Agency.

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.

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).

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 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 all states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone extend from the baselines. These maritime limits are subject to modification. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

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
B black
Bn beacon
C can
Ch channel
F fixed
Fl flashing
G green
IQ interrupted quick
Iso isophase
LT HO lighthouse
M nautical mile
Mo(A) Morse (A)
MONO TR monopole tower
Mkr marker
Mo morse code
N nun
OBSC obscured
Oc occulting
Or orange
Pa period
R red
Ra Ref radar reflector
R Bn radiobeacon
R Tr radio tower
Rot rotating
s seconds
SEC sector
St M statute miles
W white
W whip
WHS whale
Y yellow

Bottom characteristics:
Bld boulders
bk broken
Cy clay
Co coral
G gravel
Gm green
gy gray
h hard
m mud
Oys oysters
Pk rock
S sand
so soft
Sh shells
sy sticky

Miscellaneous:
AUTH authorized
ED existence doubtful
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.

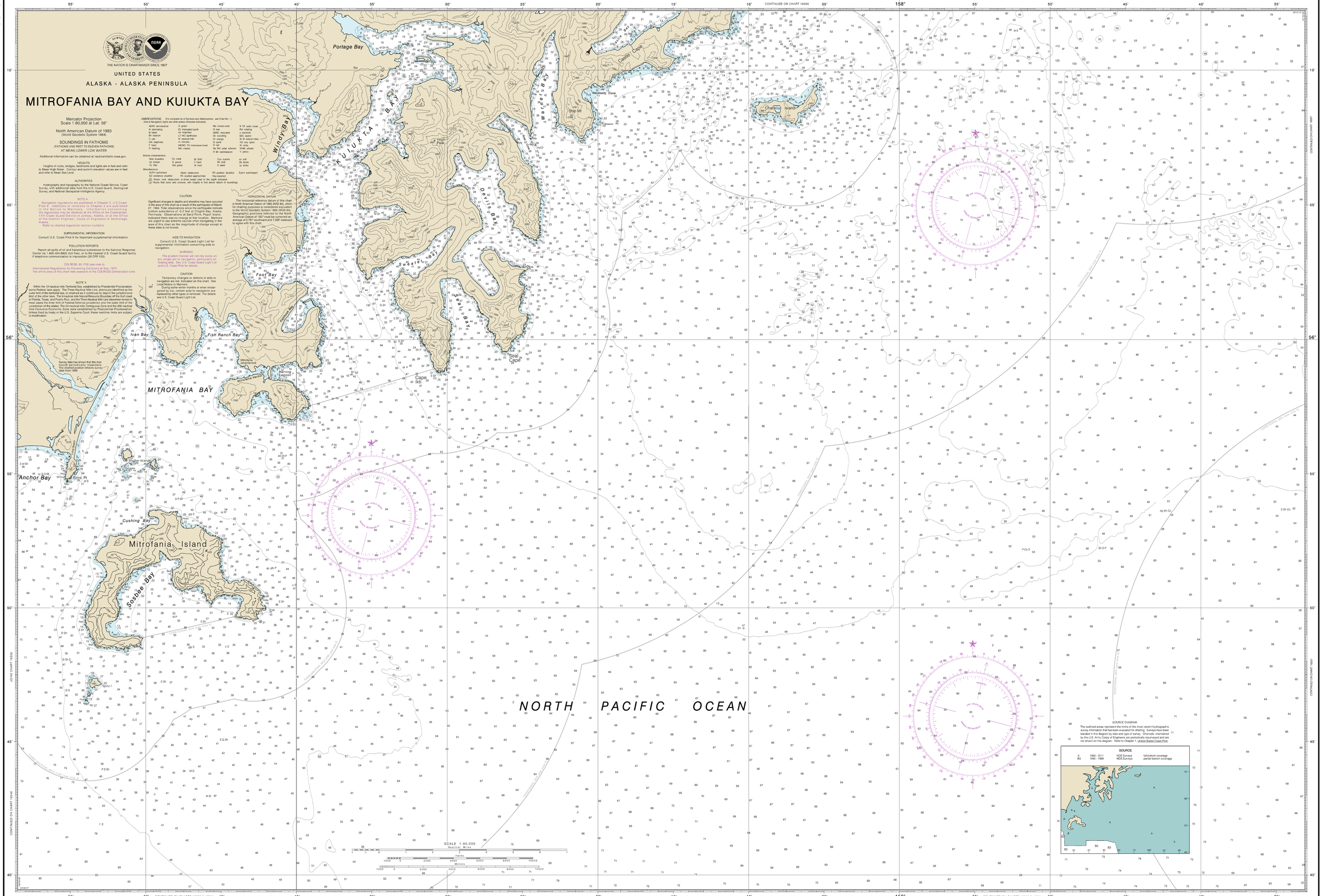
CAUTION
Significant changes in depths and shoreline may have occurred in the area of this chart as a result of the earthquake of March 27, 1964. Tidal observations since the earthquake indicate bottom subsidence of -0.2 feet at Craigle Bay, Alaska and Cordova, Alaska, and +0.2 feet at Kodiak, Alaska, indicated there was no change at Seldovia. Mariners are urged to use extreme caution when navigating in the area of this chart as the magnitude of change except at these sites is not known.

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

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.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.
Aids to Navigation in some months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

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 2.79" southward and 7.258" westward to agree with this chart.



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.

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16561

Last Correction: 2/26/2015. Cleared through:
LNM: 3715 (9/15/2015), NM: 3915 (9/26/2015), CHS: 0815 (8/28/2015)

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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

FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11
FEET	0	6	12	18	24	30	36	42	48	54	60	66
METERS	0	1	2	3	4	5	6	7	8	9	10	11

Mitrofania Bay and Kuiukta Bay
SOUNDINGS IN FATHOMS - SCALE 1:80,000

16561