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

1st Ed., Sept 1980 KAPP 2638

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

17318

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

ALASKA-SOUTHEAST COAST

GLACIER BAY

Mercator Projection
Scale 1:80,000 at Lat.58°41'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)
AT MEAN LOWER LOW WATER

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

CAUTION
Glaciers and Icebergs

Tidewater glaciers should not be approached closer than 0.5 mile. Large icefalls create waters dangerous to boats, particularly when near shore or close to bergs. Great pieces of submerged ice attached to the glacier may shoot to the surface hundreds of yards from the face. Shoaling may also exist in these areas due to high rates of sediment deposition.

Icebergs should be given a wide berth; approximately 5/6 of the berg is under water and submerged shelf may be protruding. Icebergs continually melt, sometimes turning over suddenly without warning.

CAUTION
Whales and Wildlife

The U.S. National Park Service advises that Glacier Bay National Park and Preserve is involved in a management program to minimize the impact of motor vessels on humpback whales. Motor vessels are prohibited from operating within 0.25 nautical miles of humpback whales. Motor vessels may not alter course for the purpose of approaching a whale which is within 0.5 nautical miles. Special regulations direct vessels while in waters frequented by humpback whales, an endangered species.

Pets are not permitted in the backcountry. Certain islands with sea bird colonies are closed to foot traffic during the nesting season.

Hunting is not permitted within the boundaries of Glacier Bay National Park. Sport fishing is permitted in accordance with Alaska State fishing regulations.

Mariners are encouraged to read the information board at the U.S. National Park Service dock in Bartlett Cove or contact KWM-20 Bartlett Cove on VHF channel 16 for current regulations and information.

Regulations for Glacier Bay National Park and Preserve are contained in the U.S. Coast Pilot.

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 of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.335" southward and 6.697" westward to agree with this chart.

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
Bartlett Cove	(58°27'N/135°53'W)	14.6	13.7	1.6
Willoughby I.	(58°36'N/136°07'W)	16.0	15.1	1.7
Muir Inlet	(58°55'N/136°07'W)	16.5	15.6	1.7
Composite Island	(58°53'N/136°34'W)	16.5	15.6	1.7

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.
(Sep 2012)

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; DIA diaphone; F fixed; Fl flashing; G green; IQ interrupted quick; Iso isophase; LT HO lighthouse; M nautical mile; m minutes; MICRO TR microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Rot rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHIS whistle; Y yellow
Bottom characteristics:
Blds boulders; bk broken; Cy clay; Co coral; G gravel; Grs grass; gy gray; h hard; M mud; S sand; Oys oysters; R rock; sc shells; so soft; Sn shells; sy sticky; Subm submerged
Miscellaneous:
AUTH authorized; ED existence doubtful; Obstn obstruction; PA position approximate; PD position doubtful; Rep reported; (21) 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.

NOTE G
NON-MOTORIZED WATERS
(36 CFR 13.1180)
Navigation by motorized vessels is prohibited in the following areas:
Upper Muir Inlet, June 1 - July 15
Wachusett Inlet, July 16 - Aug. 31
Adams Inlet, May 1 - Sep. 15
Rendu Inlet, May 1 - Sep. 15
Hugh Miller Inlet (including Scidmore Bay and Charpentier Inlet), May 1 - Sep. 15
Beardslee Islands complex, May 1 - Sep. 15
A full description of the regulation may be found in the U.S. Coast Pilot.

HEIGHTS
Elevations 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 Park Service.

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	1990-2009	NOS Surveys	full bottom coverage
B1	1990-1992	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage

NOTE B
CAUTION
Due to tidal zoning differences between Muir Inlet and Adams Inlet tide gauges, a possible error may exist in some of the charted soundings in this area. The greatest portion of the error would probably occur in the narrow passages leading to the upper portion of Adams Inlet. The average error recorded is 7 feet.

BARTLETT COVE
Scale 1:10,000 at Lat. 58°41'
SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)
AT MEAN LOWER LOW WATER

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.

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

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 8 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.

LOCAL MAGNETIC DISTURBANCE
Differences from the normal variation have been observed as follows:
North Passage 7°
Rendu Inlet 5°

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 8. 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.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide 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.

Althorp Peak, AK	KZZ-86	162.425 MHz
Mt. Robert Barron, AK	KZZ-87	162.450 MHz
Haines, AK	WXM-97	162.400 MHz

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 E
A marine safety zone has been established between the near shore area and a line of privately maintained marker buoys. The anchoring of boats or placement of crab pots or buoys within this zone is prohibited.

CAUTION
Glacier Bay
Salt water and land areas in Glacier Bay National Park and Preserve are administered by the National Park Service, U.S. Department of the Interior. Federal regulations applicable in National Parks and Monuments govern the area.
Due to tides and winds, ice conditions in upper Glacier Bay can change drastically in a few hours or overnight. Anchorages should be carefully selected. Fog is frequent, particularly in late summer.
Permits are required for entry into Glacier Bay June 1- Aug. 31. Special regulations may be in effect May 1- Sep. 30. Boaters may contact KWM-20 Bartlett Cove on VHF channel 16 for permits, latest ice conditions, weather reports, and other information.
Ocean liners and other vessels cruise the length of the bay daily. Care must also be taken for backcountry users in kayaks, which frequent the area.
Regulations for Glacier Bay National Park and Preserve are contained in the U.S. Coast Pilot.

NOTE C
BEARDSLEE ISLANDS
Small craft are advised not to enter this area without local knowledge, due to the extensive shoaling and foul ground, particularly in the northwest portion. Large vessels should not enter the area.
Navigation by motorized vessels is prohibited May 1 - Sep. 15 within the area indicated.
A full description of the regulation, 36 CFR 13.1180(a)(4), may be found in the U.S. Coast Pilot.

NOTE I
CRITICAL HABITAT RESTRICTIONS
(36 CFR 13.1178)
Navigation by all vessels, including kayaks, is prohibited within 100 yards of the islands indicated for protection of sea-bird colonies, sea lions, and other wildlife. Foot traffic on these islands is prohibited.
Vessels may operate within 50 yards of South Marble Island south of 58°38.6'N but must remain 100 yards from sea lions hauled out on land.
A full description of the regulation may be found in the U.S. Coast Pilot.

NOTE J
SPIDER ISLAND REEF COMPLEX
(36 CFR 13.1178)
A 0.25 nautical mile approach limit is in effect May 1 - Aug. 31 for the Spider Island Reef Complex in the Beardslee Islands to protect harbor seal haul-out areas.
A full description of the regulation may be found in the U.S. Coast Pilot.

NOTE K
BEARDSLEE ENTRANCE AND ADAMS INLET
(36 CFR 13.1154)
Cruise ships and tour vessels are prohibited from operating in the Beardslee Entrance and Adams Inlet within Wilderness boundaries shown.
A full description of the regulation may be found in the U.S. Coast Pilot.

NOTE F
WHALE WATERS
(36 CFR 13.1174)
Special restrictions to navigation apply in this area May 15 - Sep. 30 to protect humpback whales. Vessel speed is restricted to 20 knots through-the-water and may be reduced to 13 knots through-the-water during times of high whale occurrence. Vessels over 18 feet in length transiting the area are required to navigate mid-channel or a distance of 1 nautical mile from shore. Motor vessels are prohibited from operating within 0.25 nautical miles of whales and may not alter course for the purpose of approaching a whale which is within 0.5 nautical miles. Contact KWM-20 Bartlett Cove when entering Glacier Bay for information on speed limits and other restrictions that may apply.
A full description of the regulation may be found in the U.S. Coast Pilot.

CONTINUATION OF
GLACIER BAY
Scale 1:80,000

NOTE L
Mariners use caution when navigating near the heads of glacial inlets. Heads of glacial inlets are highly changable.

NOTE D
JOHNS HOPKINS INLET
(36 CFR 13.1178)
Johns Hopkins Inlet is closed to all vessels, including kayaks, May 1 - June 30, for protection of newborn harbor seal pups. The inlet is closed to cruise ships May 1 - Sep. 1. Other vessels may enter the area after July 1 at a speed of no more than 10 knots.
A full description of the regulation may be found in the U.S. Coast Pilot.

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Last Correction: 4/22/2015. 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.

SOUNDINGS IN FATHOMS
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NATIONAL OCEAN SERVICE
COAST SURVEY

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Glacier Bay
SOUNDINGS IN FATHOMS - SCALE 1:80,000

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