UNITED STATES

ALASKA - SOUTHEAST COAST

TONGASS NARROWS

INCLUDING WARD COVE TO KETCHIKAN HARBOR

Mercator Projection
Scale 1:10,000 at Lat 55°20'N
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.

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.

Formerly C&GS 8066, 1st Ed., June 1931 C-1931-382

NOTE B
CAUTION
Log booms are not permanently placed. Locations of log storage areas vary.

NOTE C
CAUTION
A general shoaling trend of 6 to 12 feet is evident due to logging operations. Extreme caution should be used while navigating in this area. Due to the profusion of logs on the seafloor, mariners are advised against anchoring.

HEIGHTS
Heights in feet above Mean High Water.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in the vicinity of pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

POLLUTION REPORTS
Report oil 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.

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

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 World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.050' southward and 0.037' westward to agree with this chart.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 8 for important supplemental information.

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.

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.

VEGETATION
The land is generally heavily wooded. The woods decrease in density with the elevation, leaving the higher elevations bare.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. Reception of these broadcasts at 25 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Sukkwan I, AK	KZZ-89	162.425 MHz
Zarembo I, AK	KZZ-91	162.400 MHz
Davarna I, AK	KZZ-90	162.525 MHz
Duke I, AK	KZZ-92	162.450 MHz
Ketchikan, AK	WXJ-26	162.550 MHz

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
Ketchikan	(55°20'N/131°37.5'W)	Nov 15.4	Nov 14.5	Nov 1.6

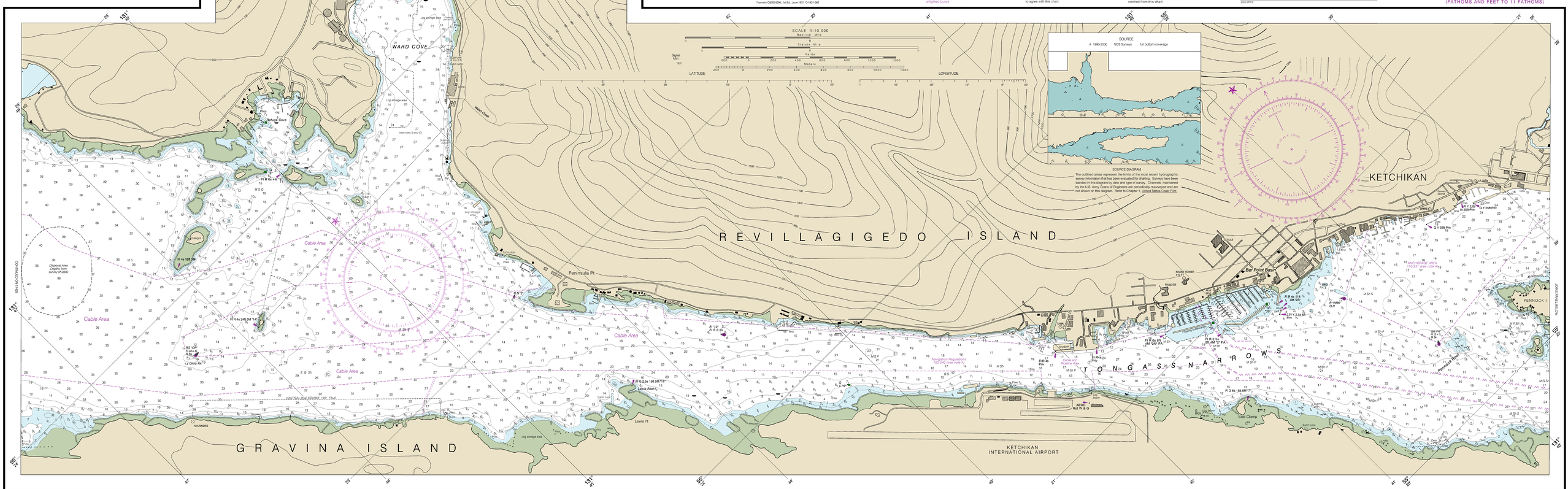
Depths in ( ) –) located in datum columns indicate unavailable datum values for a tide station. Tree-lines water levels, tide predictions, and tide current predictions are available on the Internet from http://tidesandcurrents.noaa.gov. (Sep 2013)

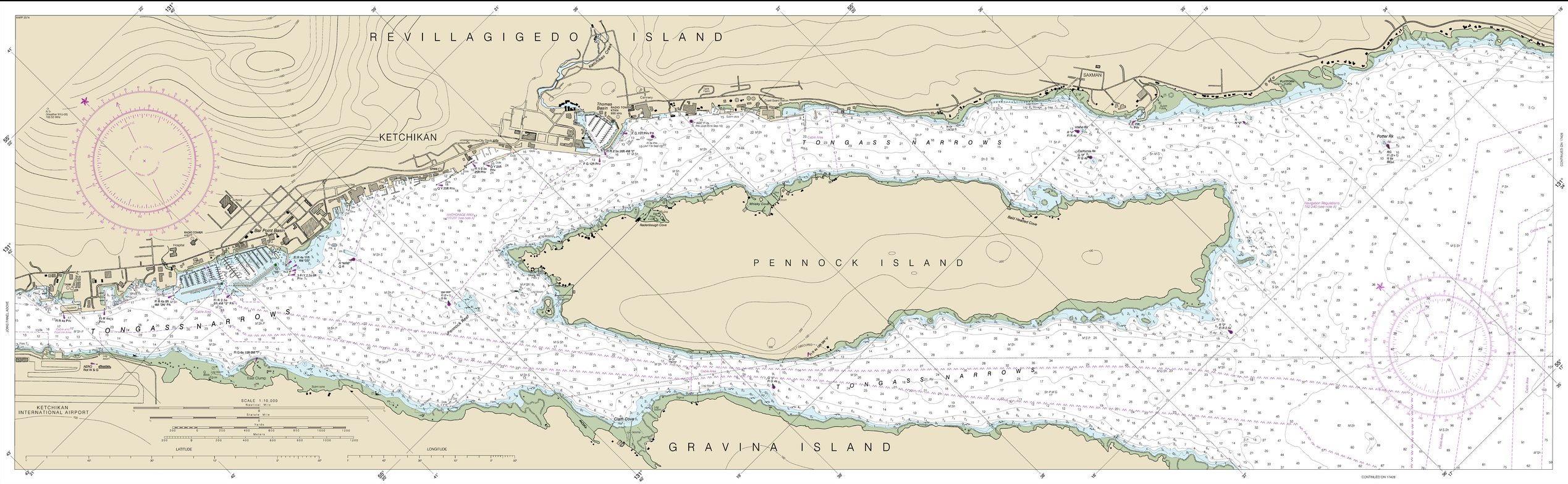
AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

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

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 color
DR dayglow
F fixed
Fl flashing
G green
Iso isophased
Oc occulting
Q quick
R red
Rc Red radar reflector
R Bn radiobeacon
Mo morse code
Nt night
QBC quick-occulting
Qc occulting
Qf quick-flashing
Q quick
R red
Rc Red radar reflector
R Bn radiobeacon
R TR radio tower
Rot rotating
s seconds
SFG quick-flashing
VQ very quick
W white
Y yellow
Bottom characteristics:
Bldg boulders
br broken
Cbl cobble
Dk dark
Dsh dasher
Gr gravel
Gs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
sh soft
Sh shells
sy sticky
Miscellaneous:
AUTH authorized
FD wreckage doubtful
PA position approximate
PD position doubtful
Rep reported
Wreck, rock, obstruction, or dredged depth
Rocks that cover and uncover, with heights in feet above datum of soundings.

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)





CONTINUED ON 17428

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 extracted 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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This is the Last Edition of this chart. It will be canceled on Nov 1, 2023

12th Ed., Nov. 2013, Last Correction: 5/2/2023. Cleared through
LNM: 4223 (10/17/2023), NM: 4323 (10/28/2023), CHS: 0603 (9/29/2023).
To ensure that this chart has 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.

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

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

Tongass Narrows Including Ward Cove to Ketchikan Harbor
SOUNDINGS IN FATHOMS - SCALE 1:10,000

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(POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: nauticalcharts.noaa.gov/pod