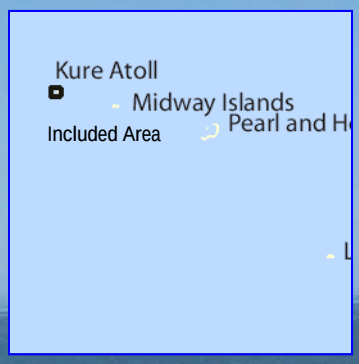
BookletChart™

Kure Atoll

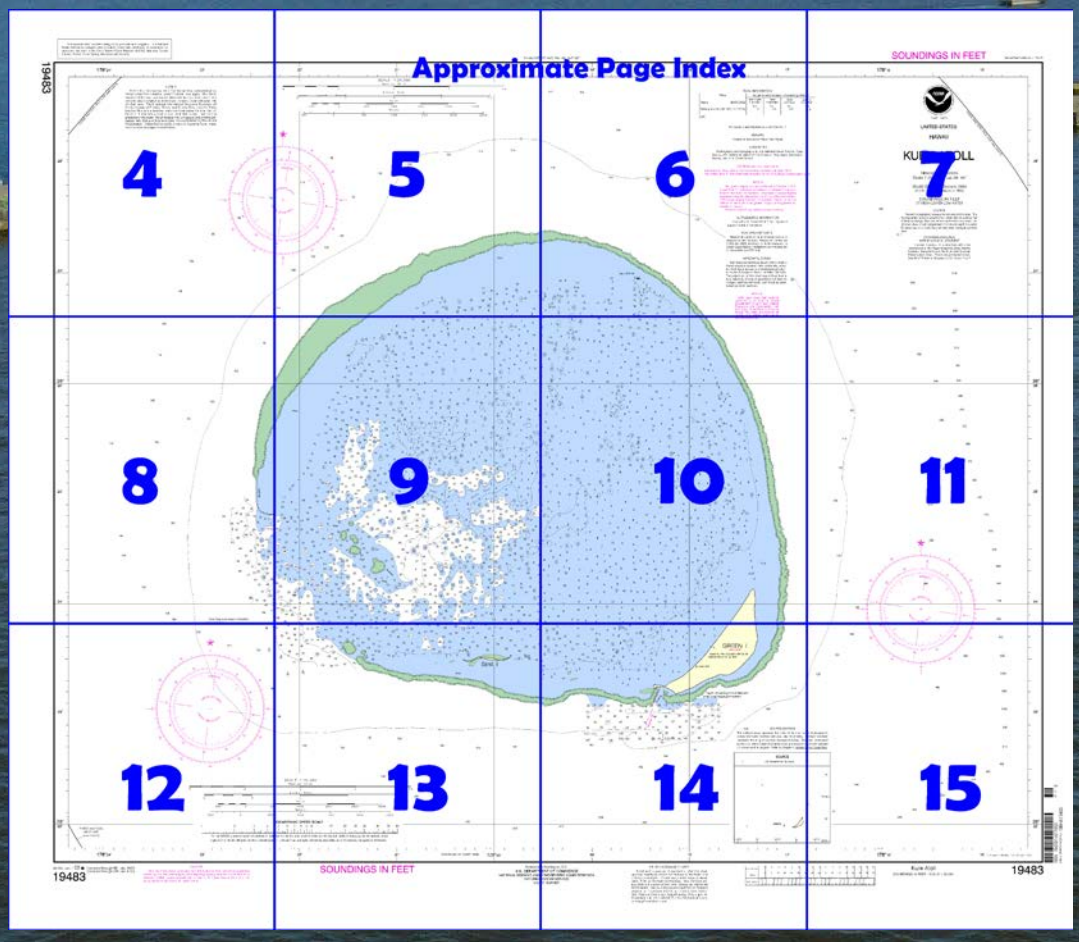
NOAA Chart 19483

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.



- *Complete, reduced-scale nautical chart*
- *Print at home for free*
- *Convenient size*
- *Up-to-date with Notices to Mariners*
- *Compiled by NOAA's Office of Coast Survey, the nation's chartmaker*



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

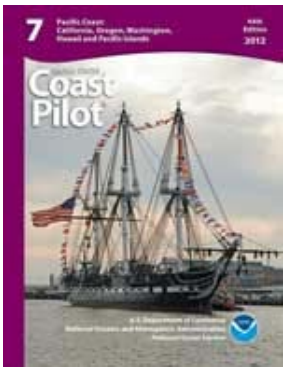
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=19483.



(Selected Excerpts from Coast Pilot)
Kure Atoll (28°25'N., 178°20'W.) is 50 miles WNW of Midway Islands, which it closely resembles both in formation and appearance. Kure Atoll is 4.5 miles in diameter, and a nearly continuous coral reef encloses a lagoon in which reefs and coral heads alternate with deep water. A mile-wide break in the SW side of the barrier reef provides an entrance of sorts to the lagoon.
Anchorage.–Good anchorage in 15 fathoms may be found on the NW side of the atoll.
Entry upon Kure Atoll must be approved by the State of Hawaii, Department of Land and Natural Resources and Commander, 14th Coast Guard District, Honolulu, HI. These restrictions apply to all civilian and military agencies as well as individuals.
Green Island, on the SE side of the atoll, has a highest elevation of 20 feet and is covered with scaevola brush.
The island is a wildlife refuge and entry upon the island must be by approval of the State of Hawaii Department of Land and Natural Resources. This restriction applies to civilian and military agencies as well as individuals. The Coast Guard has reported that Green Island presents a good radar target at 22 miles and the reef line presents a good target at 7.5 miles. Another good radar target, reported by NOAA Ship TOWNSEND CROMWELL, is a large wreck in about 28°27.0'N., 178°18.9'W., on the NE side of the atoll. W of Green Island are small sand islets, the largest of which is 8- to 10-foot-high **Sand Island**. These islands continually shift and change with weather and sea action.
The best anchorage is on the W side, at the SW corner of the atoll with depth of 8 to 15 fathoms, rocky bottom. Boats may then be taken to a concrete pier with 3 to 5 feet alongside, located at about the midpoint of the lagoon side of Green Island. Vessels also anchor about 0.3 to 0.5 mile SSW of the S tip of Green Island in depths up to 15 fathoms.
Landings can be made in good weather through a break in the reef to a sand beach at the SW tip of Green Island; depths to the landing are 5 to 6 feet between small coral heads and ledges.
A bank with depths of 20 to 30 fathoms surrounds Kure Atoll. No dangers have been observed outside the reef; however, the reef is inadequately surveyed. From the appearance of the islands, it may be assumed that they are sometimes visited by severe storms, the sand being thrown into numerous cones and pyramids.
Currents.–A set to the S has been observed between Kure Atoll and Midway Islands. In the vicinity of Kure Atoll a continuous E current of about 2 knots during W weather has been reported.

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Honolulu	Commander 14th CG District Honolulu, HI	(808) 535-3333

Table of Selected Chart Notes

NOTE B

Entry upon Kure Atoll must be approved by the State of Hawaii Department of Land and Natural Resources and Commander, 14th U.S. Coast Guard District, Honolulu, Hawaii. The restrictions apply to all civilian and military agencies as well as individuals.

HEIGHTS

Heights in feet above Mean High Water.

For Symbols and Abbreviations see Chart No. 1

Mercator Projection
Scale 1:20,000 at Lat 28° 45'

World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

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).

HORIZONTAL DATUM

The horizontal reference datum of this chart is World Geodetic System 1984 (WGS 84), which for charting purposes is considered equivalent to the North American Datum of 1983 (NAD 83). The projection of this chart was shifted from a local datum by means of georeferenced satellite imagery and has not been confirmed by land-based geodetic methods.

PAPAHĀNAUMOKUĀKEA
MARINE NATIONAL MONUMENT

The entire area of this chart lies within the boundaries of the Papahānaumokuākea Marine National Monument and the Kure Atoll Special Preservation Area. These are protected areas. See 50 CFR 404 or Chapter 2, U.S. Coast Pilot 7.

NOTE C
AREA TO BE AVOIDED

All vessels solely in transit should avoid the area (MSC IMO SN.1/Circ.263).

NOTE D
SHIP REPORTING SYSTEM

The following vessels entering or departing any U.S. port of place and in transit through the reporting area are required to report into the System: all vessels 300 gross tons or greater and all vessels in the event of a developing emergency. The following vessels in transit through the reporting area should report into the System: all vessels 300 gross tons or greater, fishing vessels, and all vessels in the event of a developing emergency. See IMO SN.1, Circ. 273. Information concerning the Ship Reporting System is also published in the U.S. Coast Pilot 7, Chapters 2 and 14, and updated through Notices to Mariners. Information may also be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, or at the Office of the District Engineer, Corps of Engineers, in Honolulu.

PARTICULARLY SENSITIVE SEA AREA

This chart falls entirely within the limits of a Particularly Sen--sitive Sea Area (PSSA). A PSSA is an environmentally sensitive area in which and around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. 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, 14th Coast Guard District in Honolulu, Hawaii or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.

Refer to charted regulation section numbers.

CAUTION

Recent hydrographic surveys do not exist in this area. The hydrographic surveys used for this chart did not achieve full bottom coverage, thus uncharted coral heads may exist. Uncharted areas of submerged reef of unknown depth may exist. Extreme caution should be exercised when navigating in this area.

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.

144 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.

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 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.

COLREGS, 80.1410 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

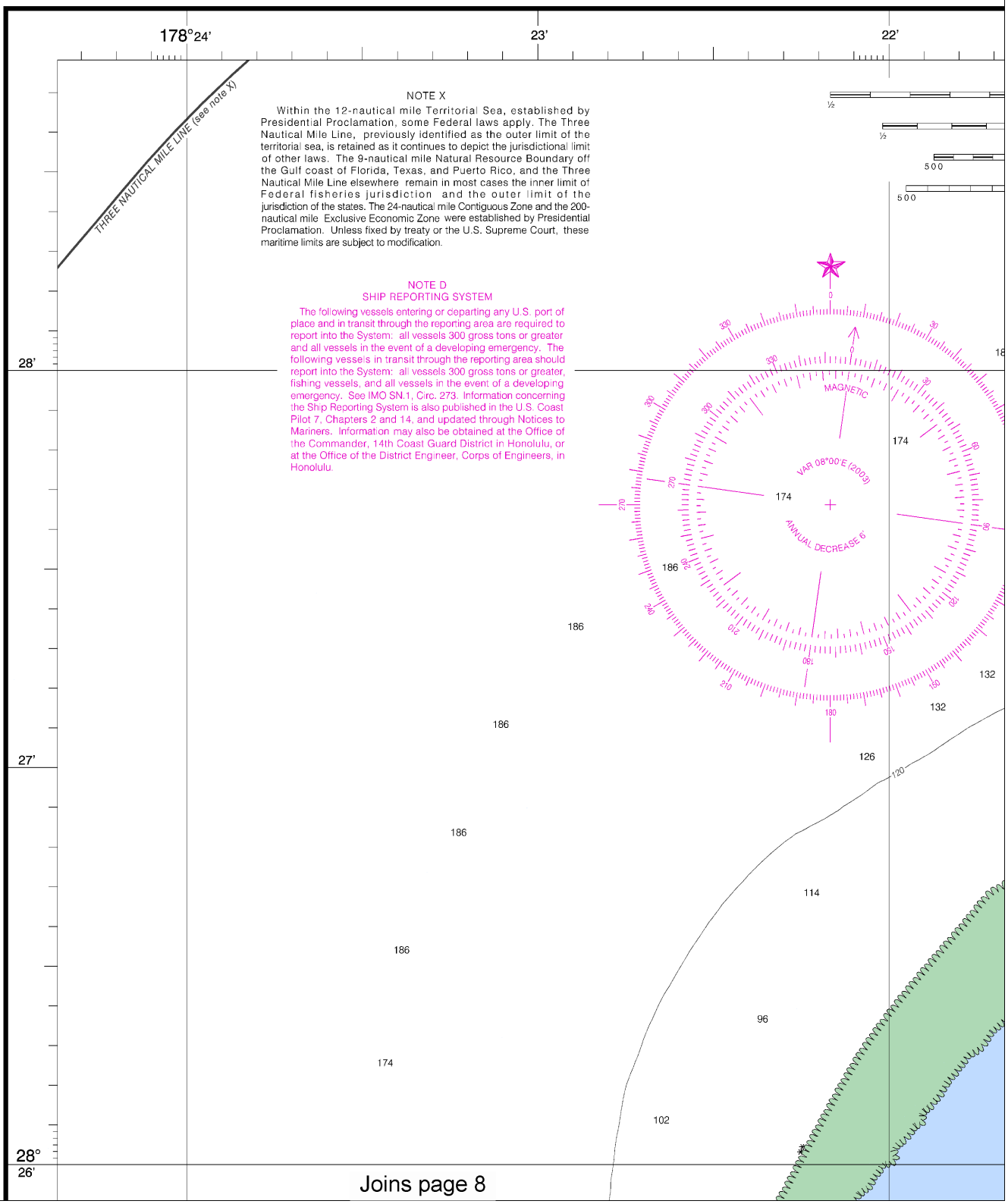
TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Midway Islands (28°13'N / 177°22'W)	1.2	1.0	0.2	-1.0

(402)

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

19483



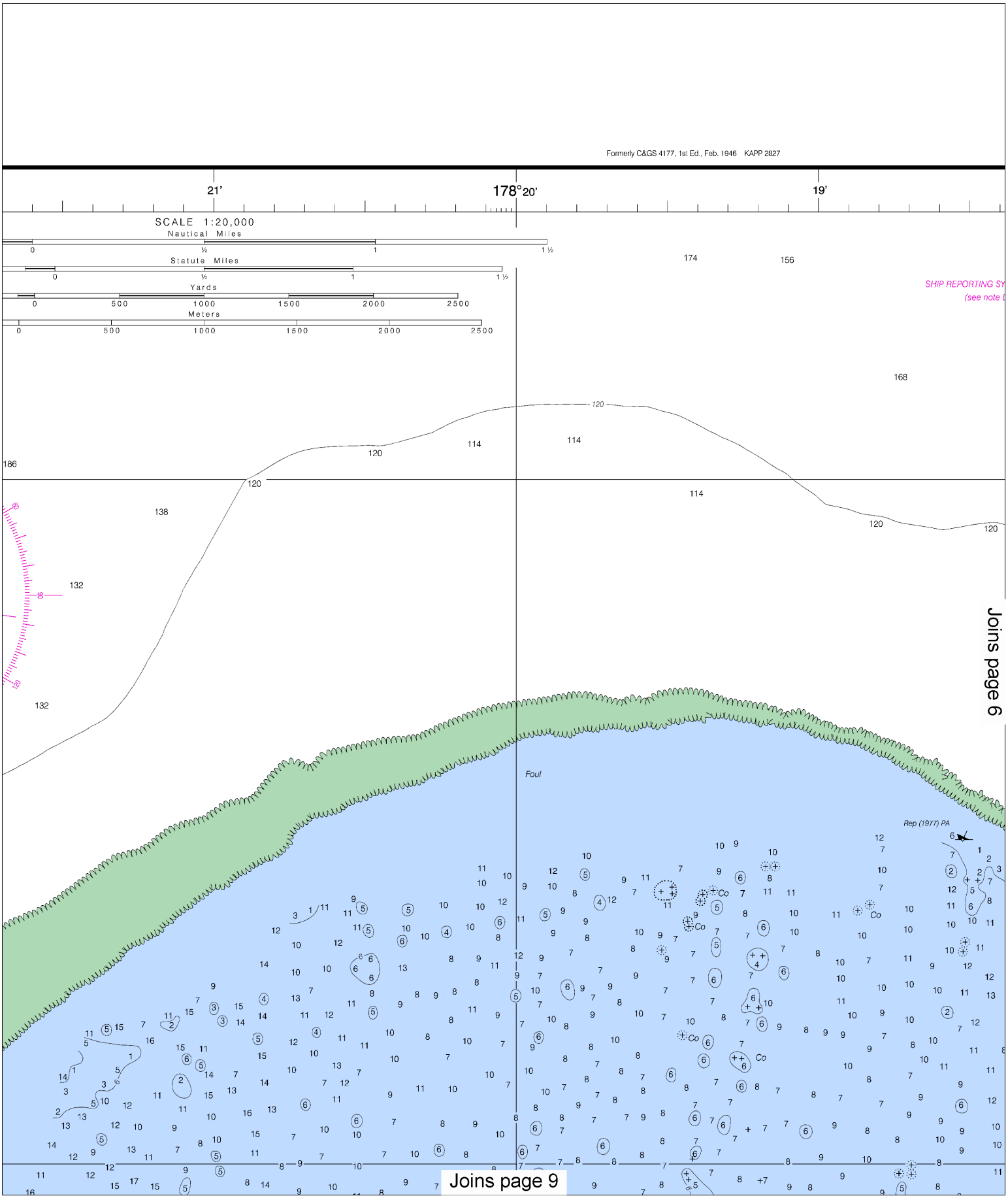
4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

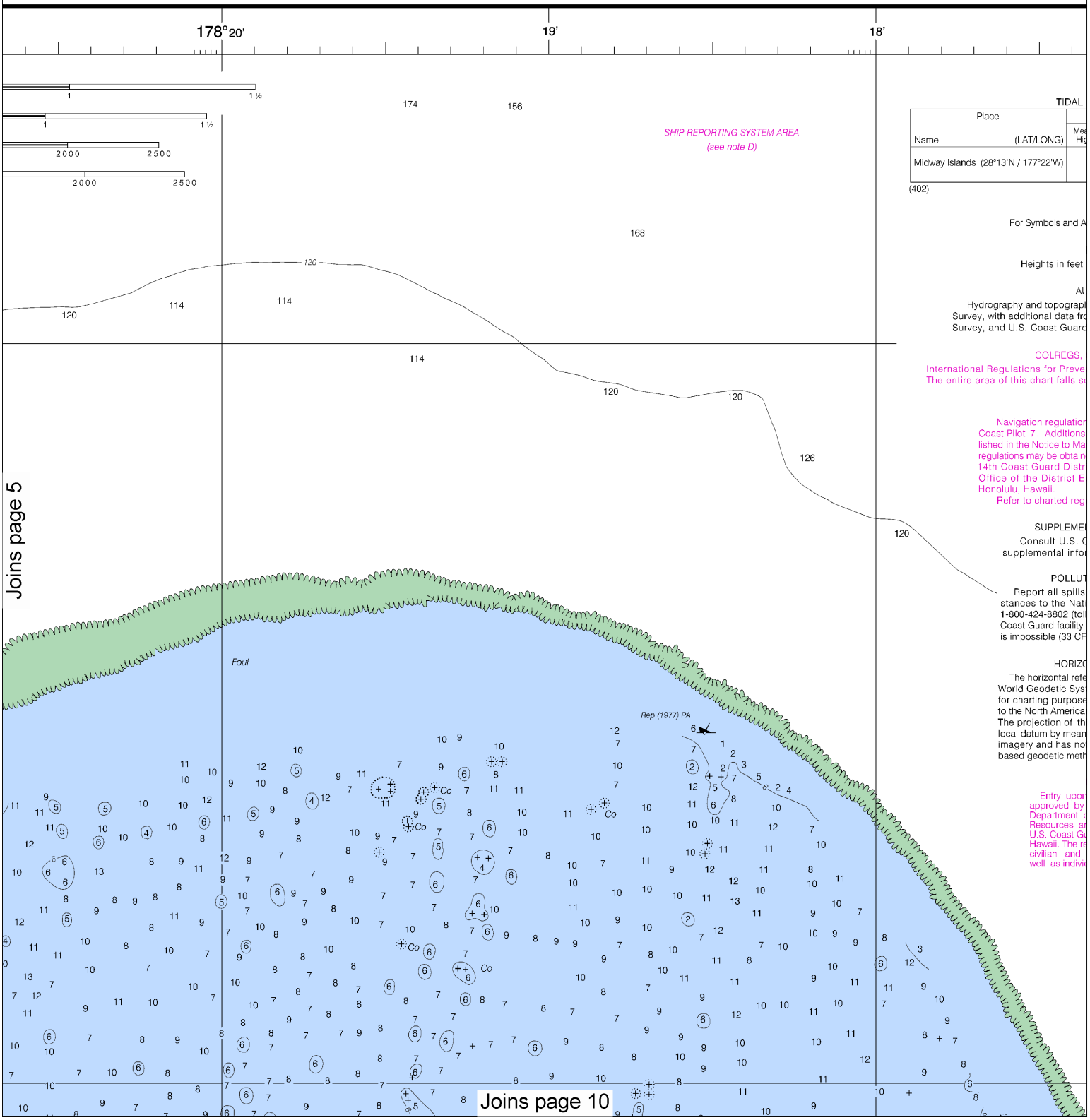
Nautical Miles: 0 — 1 — 1 ½

Yards: 500 — 0 — 500 — 1000 — 1500 — 2000 — 2500



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:26667. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

Formerly C&GS 4177, 1st Ed., Feb. 1946 KAPP 2827



6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500

SOUNDINGS IN FEET

17’ 178°16’ 15’

L INFORMATION

Height referred to datum of soundings (MLLW)			
lean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
feet 1.2	feet 1.0	feet 0.2	feet -1.0

Abbreviations see Chart No. 1

HEIGHTS
t above Mean High Water.

AUTHORITIES
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NOTE A
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gulation section numbers.

ENTAL INFORMATION
Coast Pilot 7 for important ormation.

UTION REPORTS
ls of oil and hazardous substational Response Center via oll free), or to the nearest U.S. y if telephone communication CFR 153).

ZONTAL DATUM
ference datum of this chart is ystem 1984 (WGS 84), which ses is considered equivalent can Datum of 1983 (NAD 83). this chart was shifted from a ans of georeferenced satellite not been confirmed by landthods.

NOTE B
on Kure Atoll must be y the State of Hawaii of Land and Natural and Commander, 14th Guard District, Honolulu, restrictions apply to all military agencies as viduals.

276

306

NOTE C
AREA TO BE AVOIDED
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PARTICULARLY SENSITIVE SEA AREA
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120

144

144

144

126

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE
COAST SURVEY

UNITED STATES

HAWAII

KURE ATOLL

THREE NAUTICAL MILE LINE (see note X)

Mercator Projection
Scale 1:20,000 at Lat 28° 45’

World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

CAUTION
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312

PAPAHĀNAUMOKUĀKEA
MARINE NATIONAL MONUMENT
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534

300

432

282

408

384

372

282

366

306

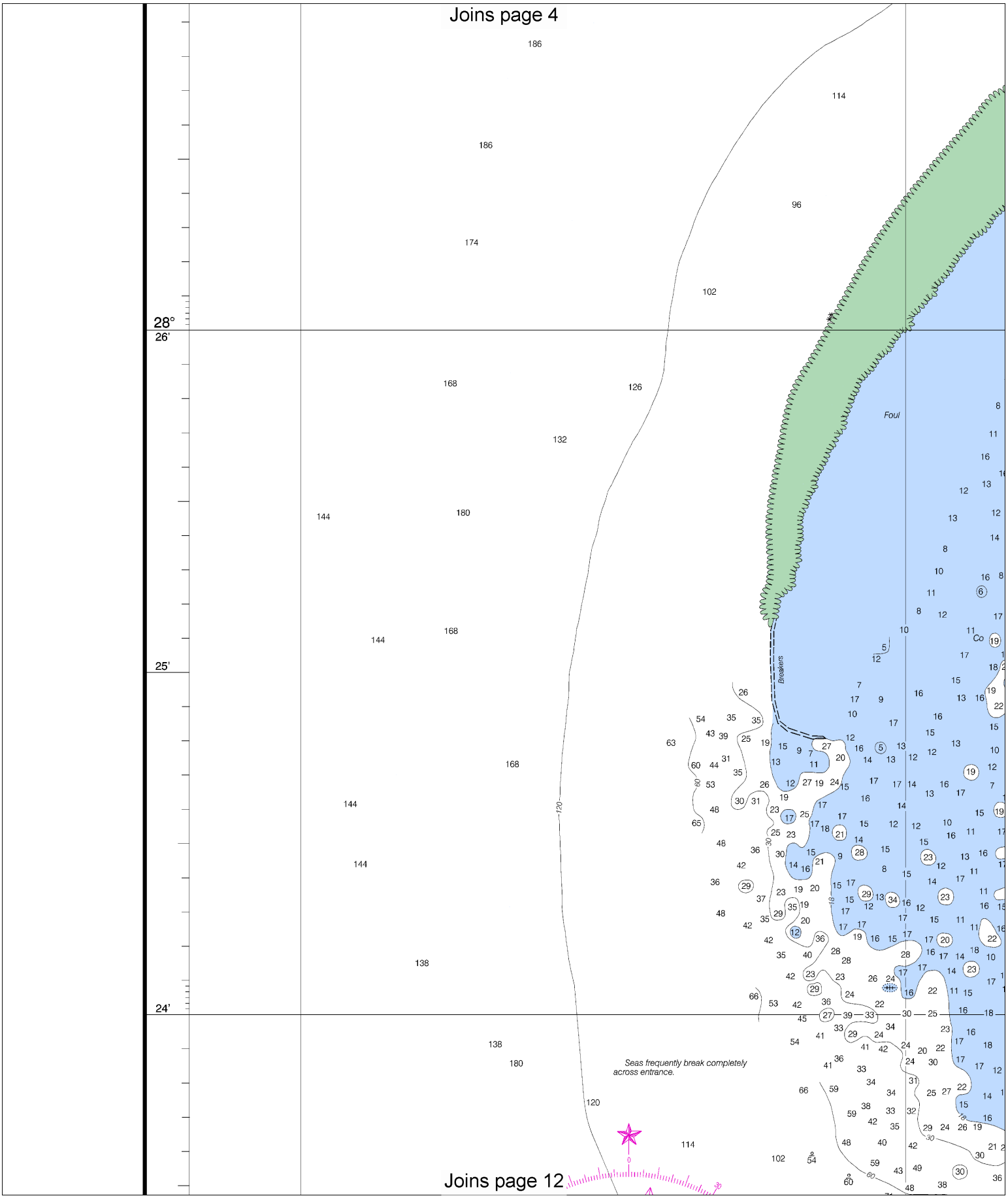
360

28’

27’

28°
26’

Joins page 11



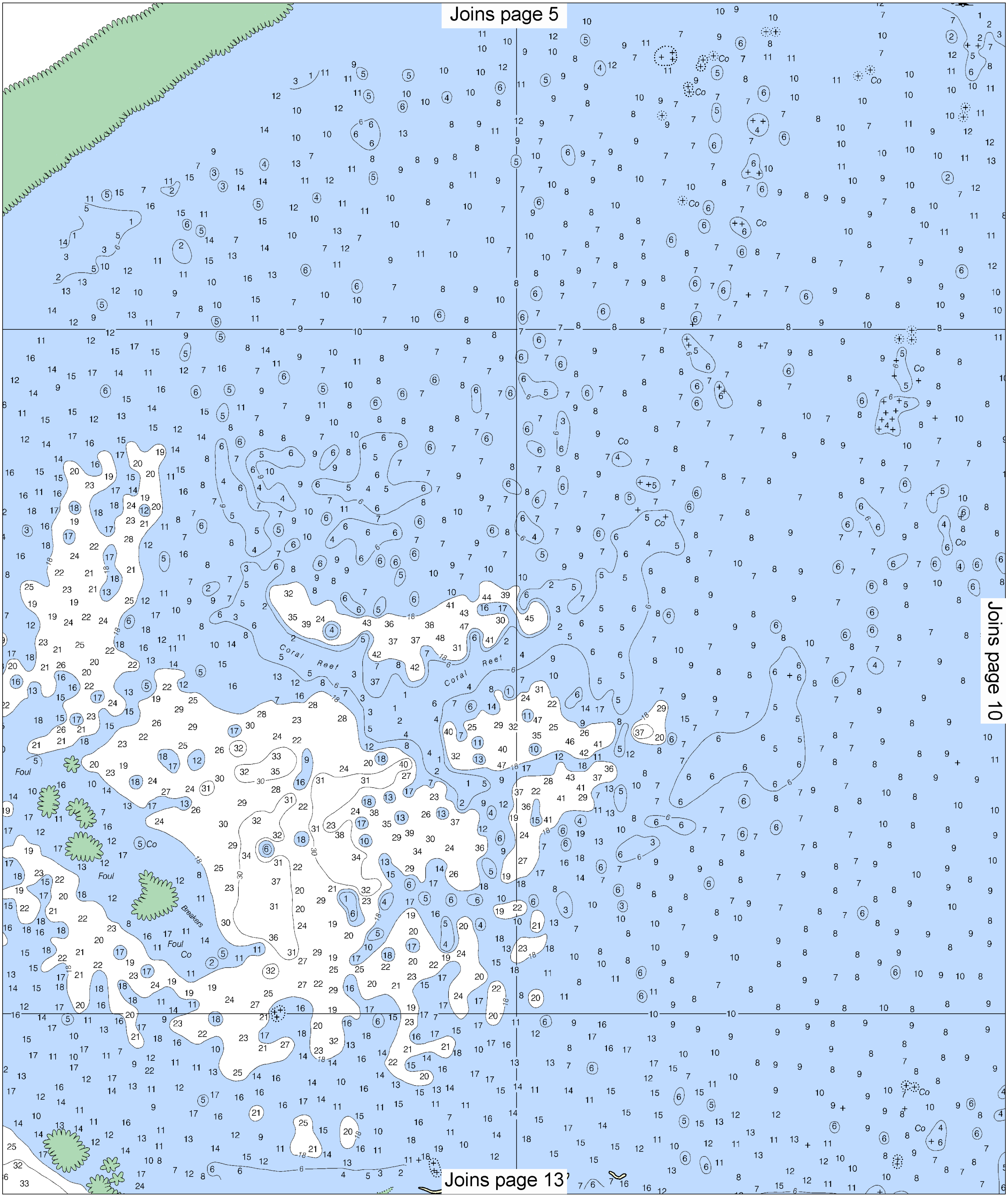
8

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500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Coral Reef
Coral Reef
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Foul
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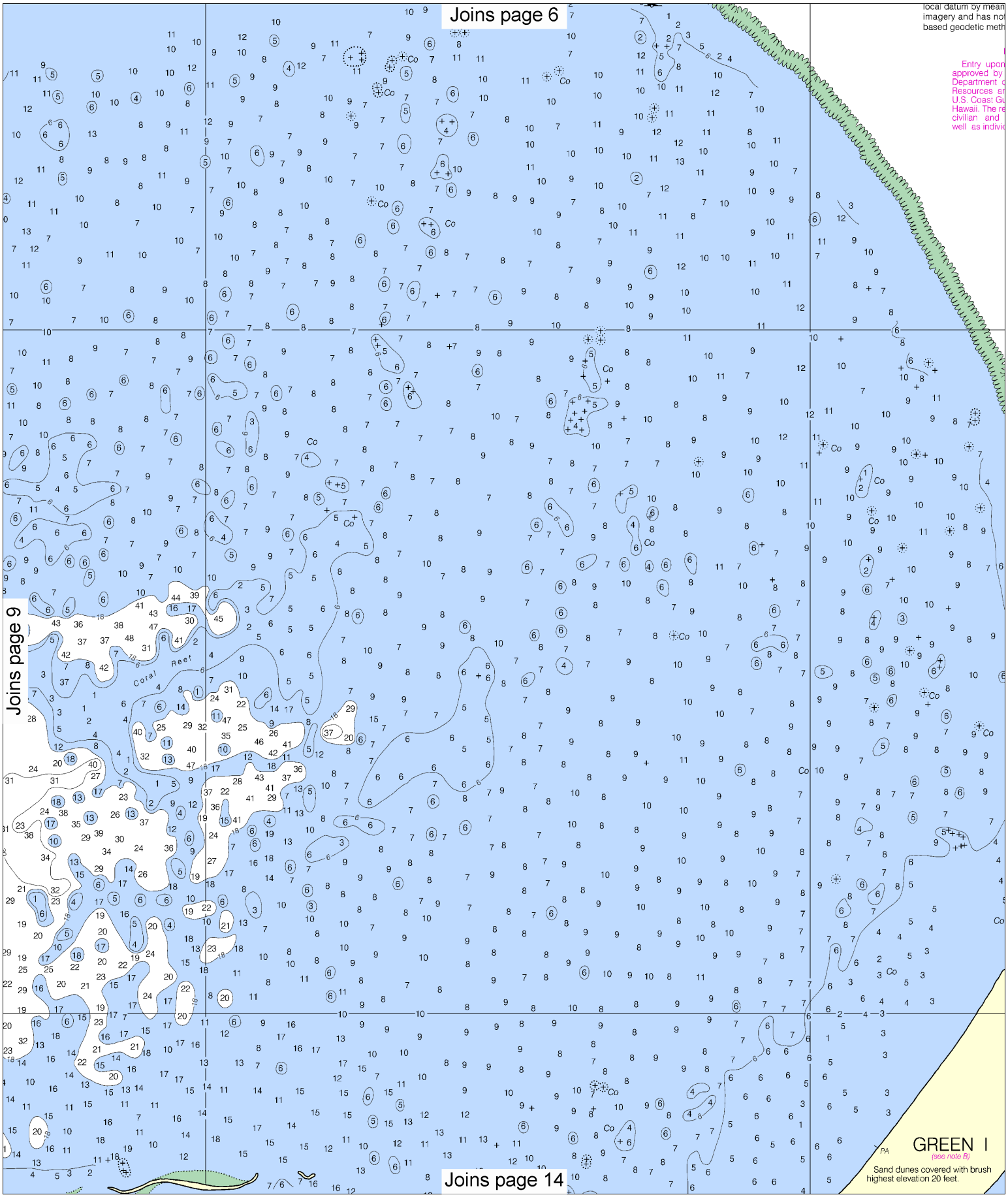

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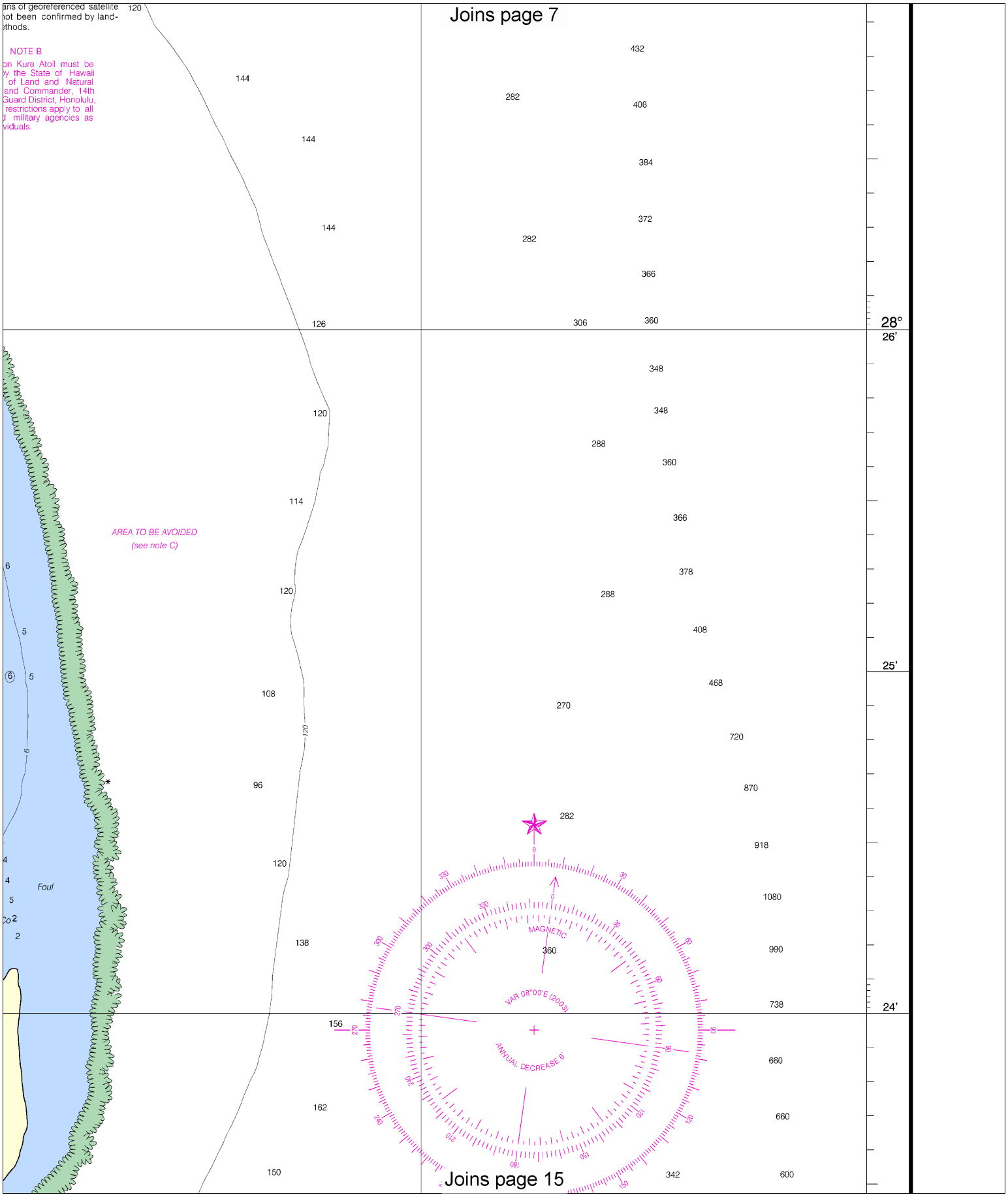
Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles

0 1 1½

Yards

500 0 500 1000 1500 2000 2500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NOTE B
on Kure Atoll must be
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restrictions apply to all
military agencies as
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AREA TO BE AVOIDED
(see note C)
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26'
25'
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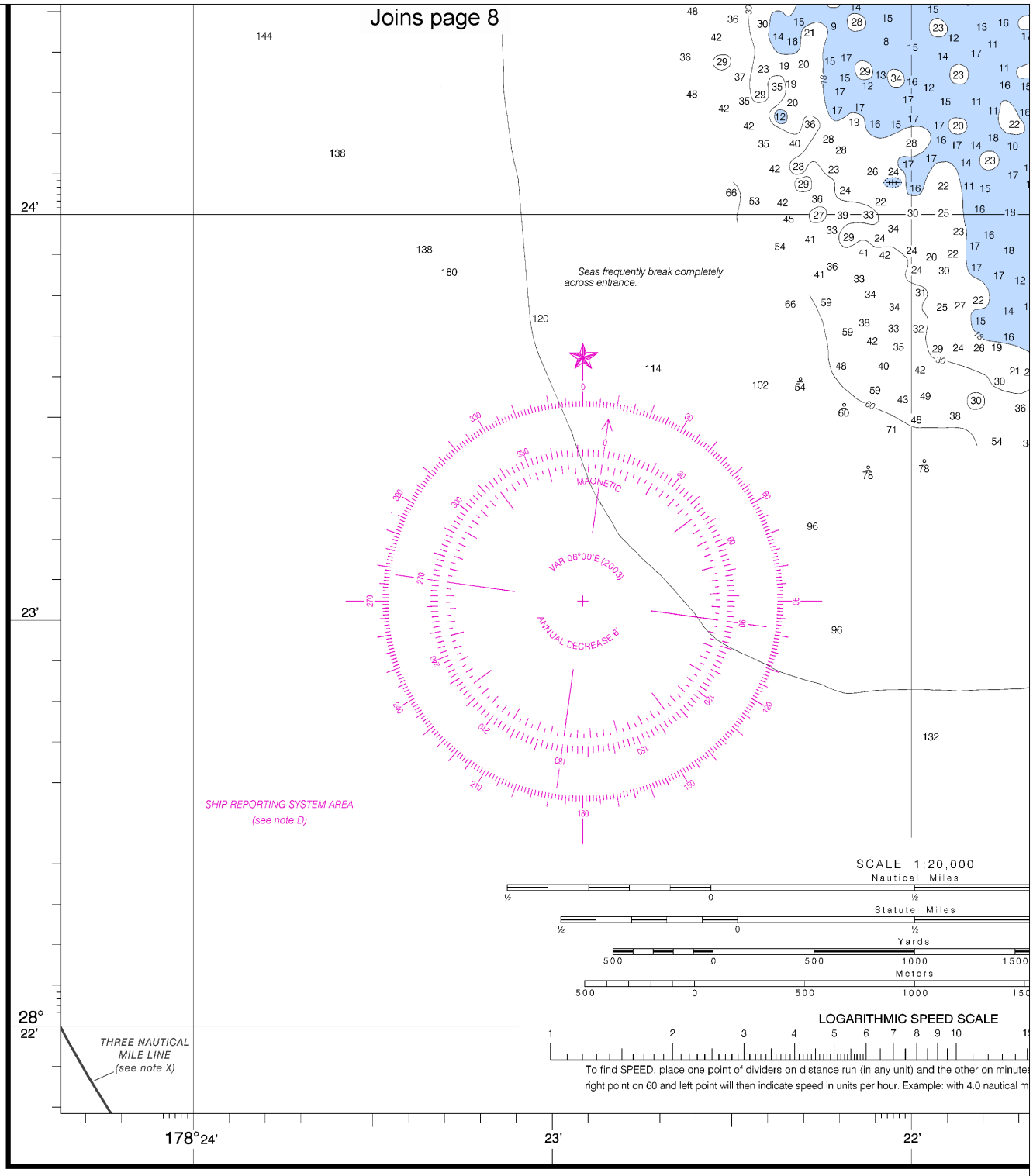


6th Ed., Jan. / 03 ■ Corrected through NM Jan. 18/03
Corrected through LNM Jan. 07/03

19483

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Imagery and Mapping 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.

SC

Note: Chart grid lines are aligned with true north.

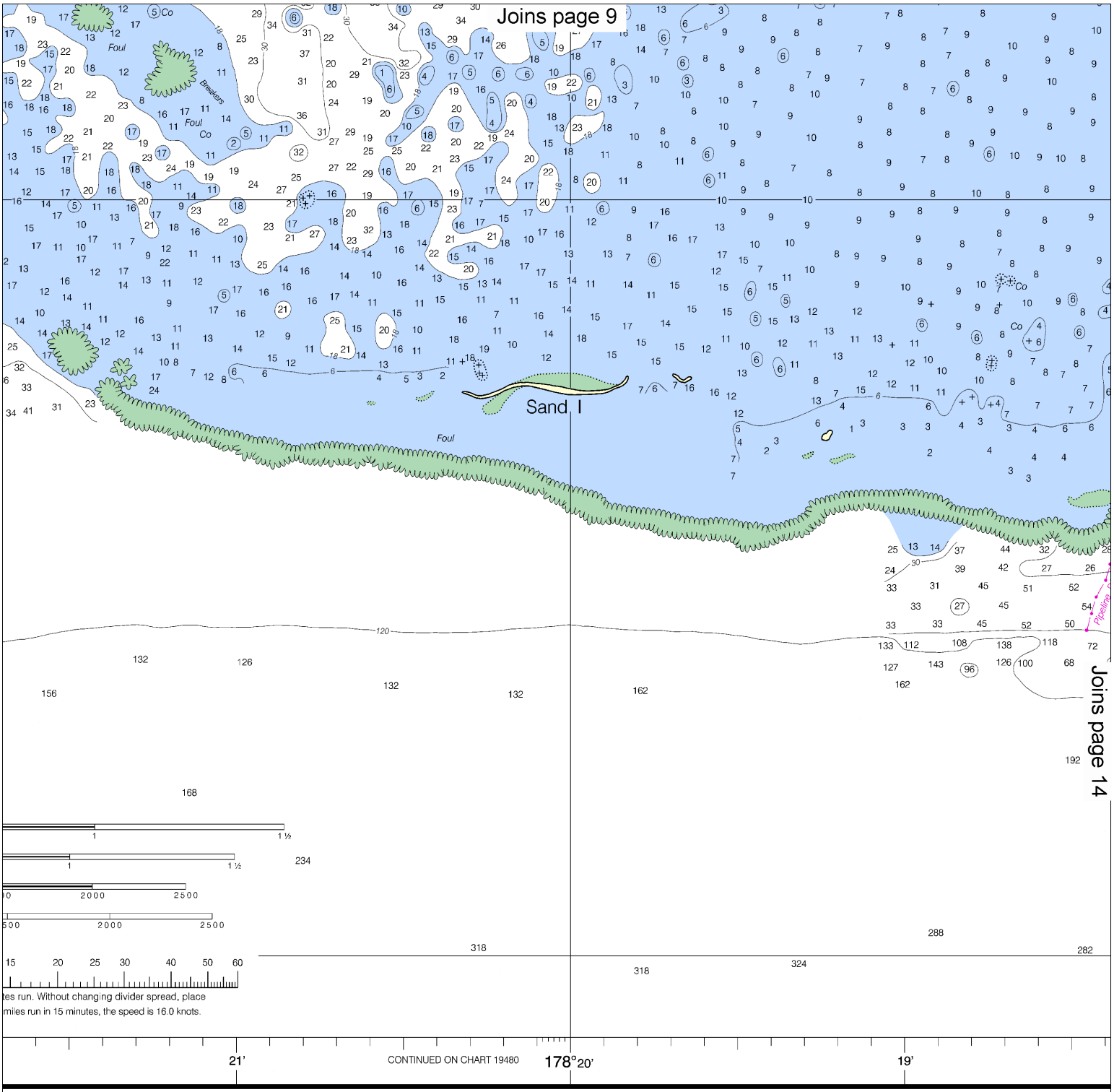
Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles

0 1 1½

Yards

500 0 500 1000 1500 2000 2500



SOUNDINGS IN FEET

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

NOAA and
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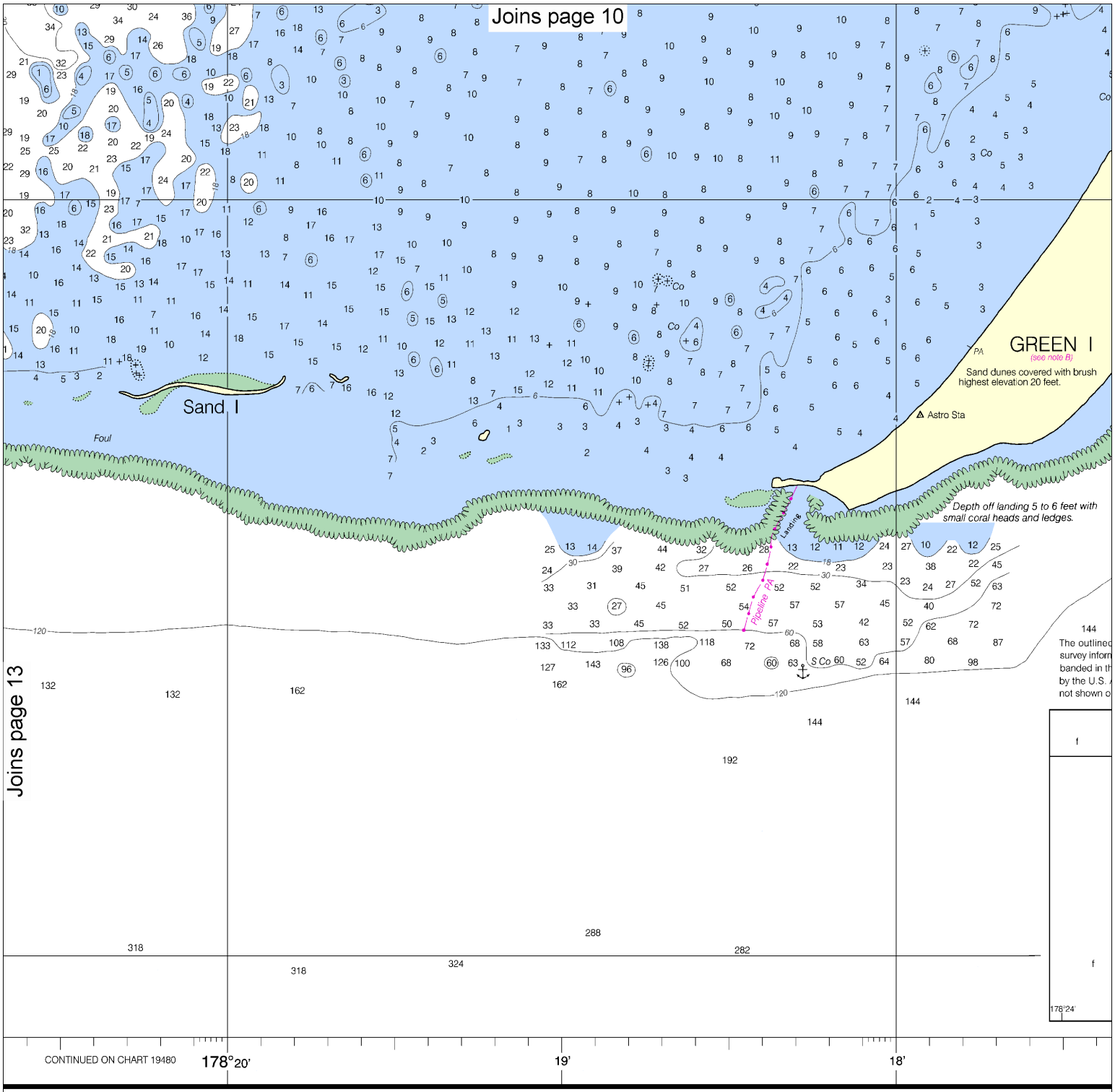
or help@Ocean



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

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.

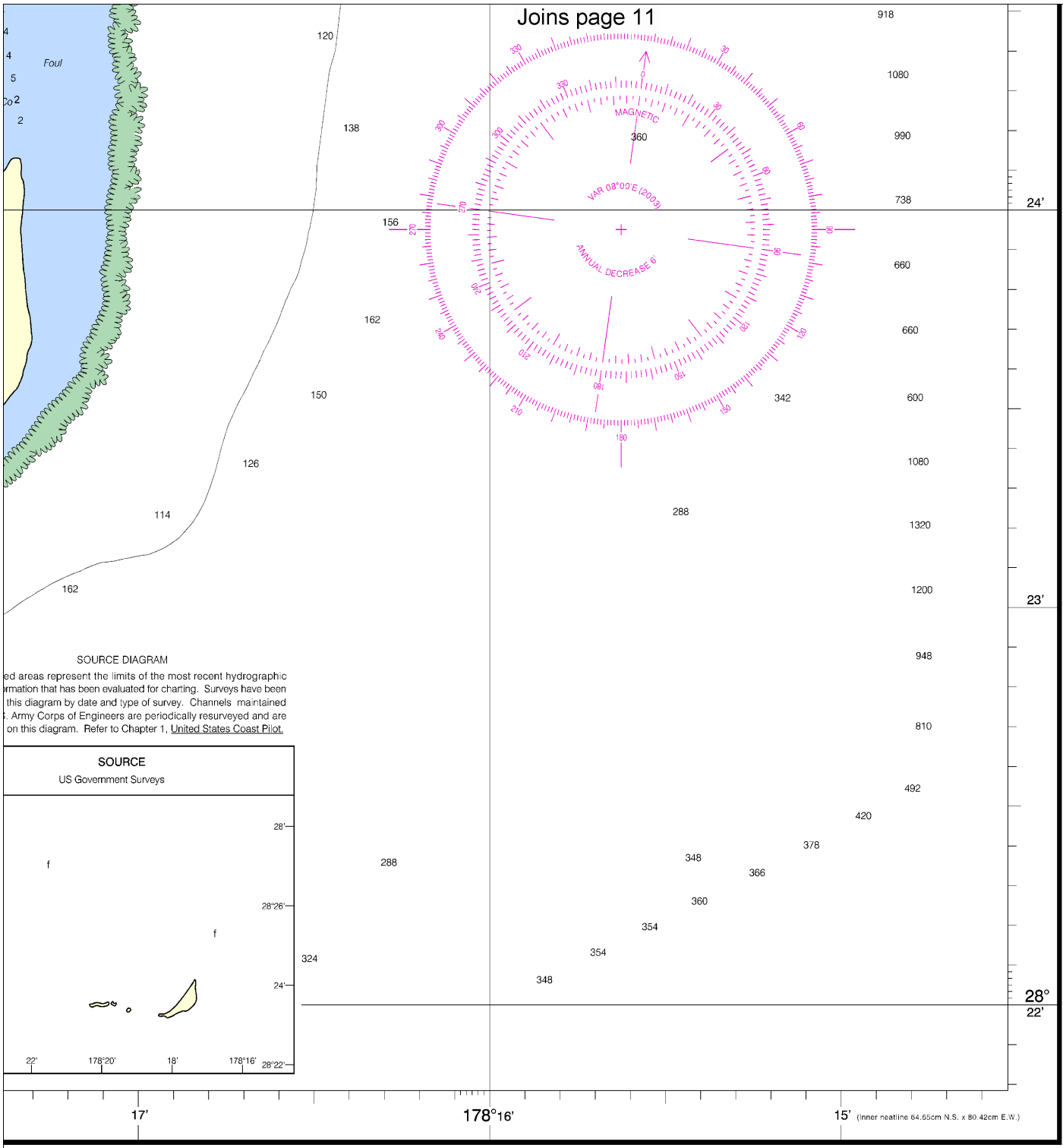
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500

Joins page 11



SOURCE DIAGRAM

ed areas represent the limits of the most recent hydrographic
rmation that has been evaluated for charting. Surveys have been
this diagram by date and type of survey. Channels maintained
. Army Corps of Engineers are periodically resurveyed and are
on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

US Government Surveys

THOMS
FEET
ETERS

Kure Atoll

SOUNDINGS IN FEET - SCALE 1:20,000

19483

ED. NO 6

NSN 7642014011693

NIMA REFERENCE NO. 19BHA19483

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

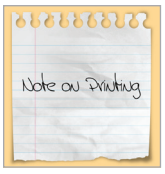
All Hazards NOAA Weather Radio NOAA's National Weather Service

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information	—	**http://www.nauticalcharts.noaa.gov**
Online chart viewer	—	**http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html**
Report a chart discrepancy	—	**http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx**
Chart and chart related inquiries and comments	—	**http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs**
Chart updates (LNM and NM corrections)	—	**http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html**
Coast Pilot online	—	**http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm**
Tides and Currents	—	**http://tidesandcurrents.noaa.gov**
Marine Forecasts	—	**http://www.nws.noaa.gov/om/marine/home.htm**
National Data Buoy Center	—	**http://www.ndbc.noaa.gov/**
NowCoast web portal for coastal conditions	—	**http://www.nowcoast.noaa.gov/**
National Weather Service	—	**http://www.weather.gov/**
National Hurrican Center	—	**http://www.nhc.noaa.gov/**
Pacific Tsunami Warning Center	—	**http://ptwc.weather.gov/**
Contact Us	—	**http://www.nauticalcharts.noaa.gov/staff/contact.htm**

twitter —— For the latest news from Coast Survey, follow **@nauticalcharts**



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey The Nation's Chartmaker