BookletChart™

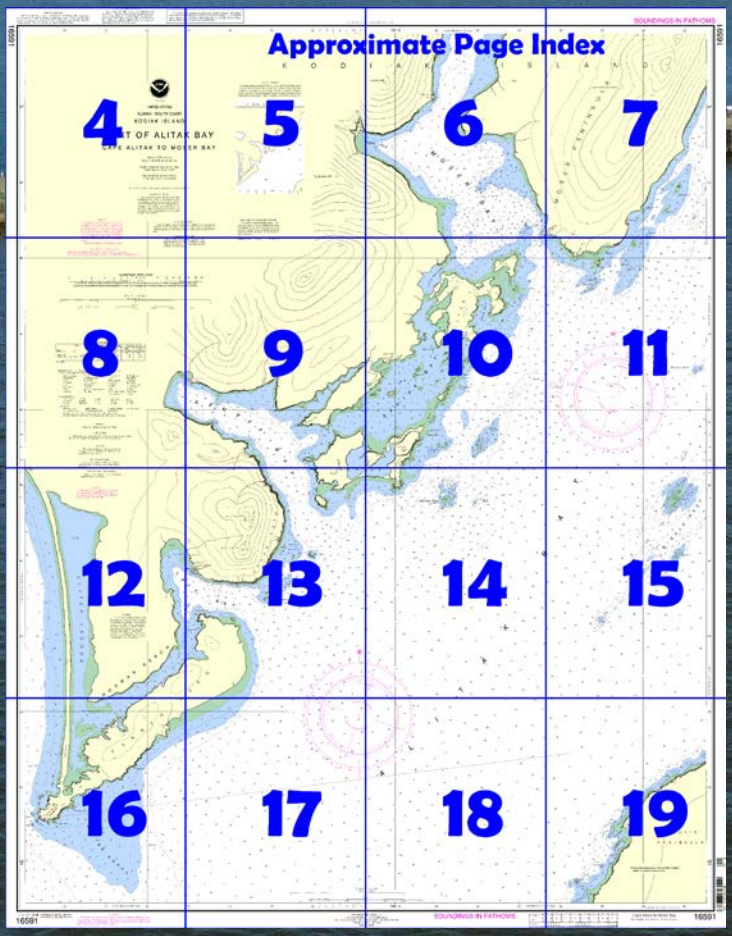
Part of Alitak Bay – Cape Alitak to Moser Bay

NOAA Chart 16591

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.

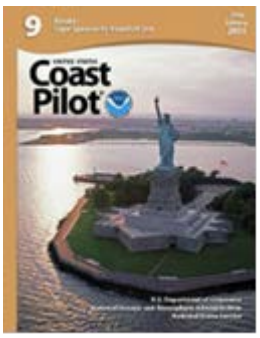
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

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=16591.

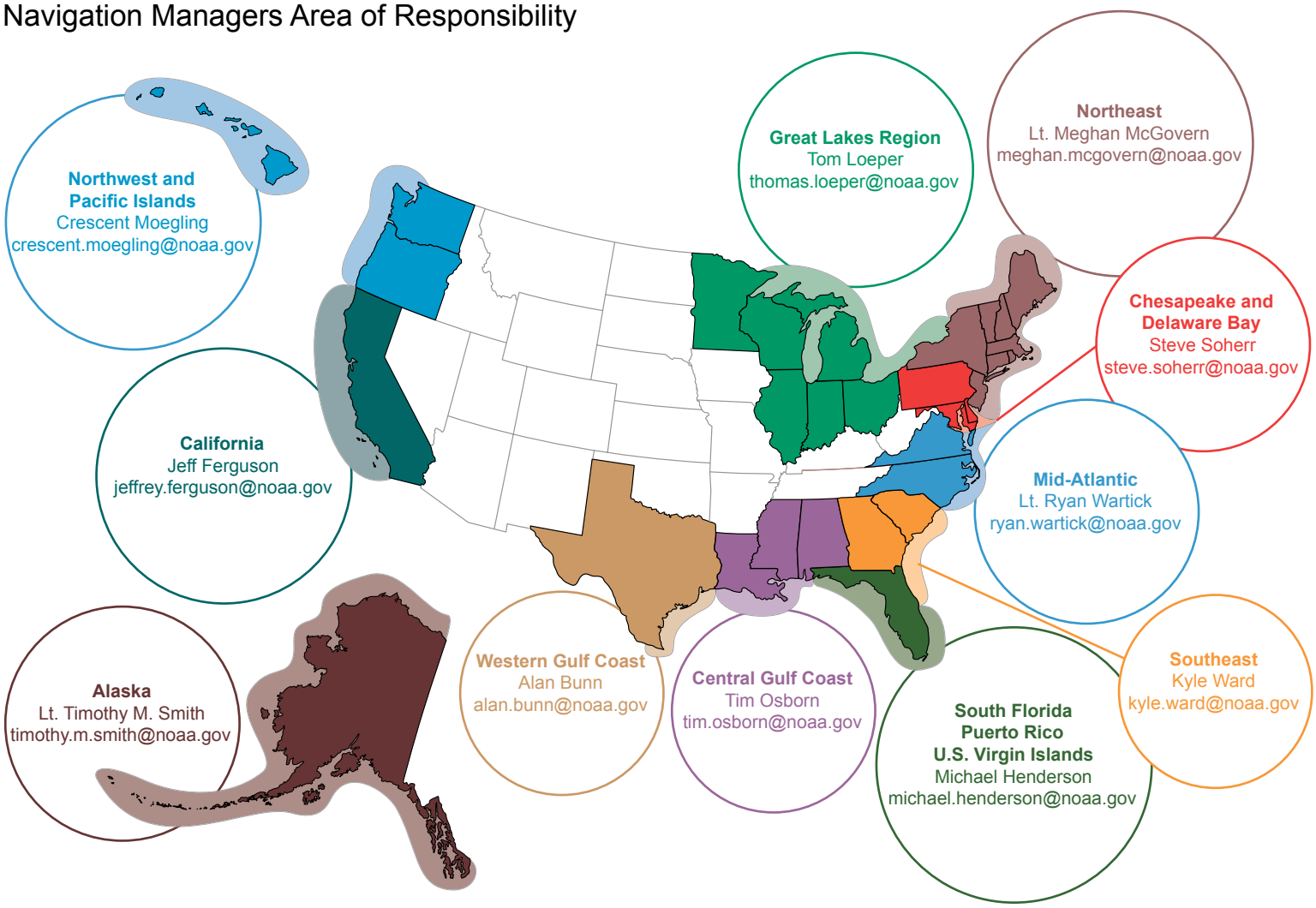


(Selected Excerpts from Coast Pilot)
Alitak Bay, at the S end of Kodiak Island has its entrance between Cape Alitak and Cape Trinity, and extends 26 miles in a N direction to the head of Deadman Bay. Lazy Bay is a good anchorage.
The prominent feature in the approach is Twin Peaks on the peninsula between Lazy Bay and Kempff Bay. It can be seen from off Cape Ikolik on a clear day. The peninsula between Kempff Bay and Olga Bay is mountainous and rises to 2,000 feet.
Pilotage, Alitak.–Pilotage, except for certain exempted vessels, is compulsory for all vessels navigating the waters of the State of Alaska. The Kodiak Island area is served by the Southwest Alaska Pilots Association. (See **Pilotage, General** (indexed), chapter 3, for the pilot pickup stations and other details.)
Vessels en route to Alitak Bay can contact the pilot boat by calling "ALITAK BAY PILOT BOAT" on VHF-FM channel 16 or on a prearranged frequency between pilot and agent/vessel.
Cape Trinity, the S entrance point to Alitak Bay, is a tableland terminating in an almost vertical bluff. Rocks and reefs extend a short distance off the cape.
Cape Alitak, the N entrance point of Alitak Bay, is the S end of a sloping ridge with numerous knolls. It is partly grass covered with much bare rock. Deep water extends close up to the cape on its SW side, but a long shoal of fine gray sand makes off its SE side in the direction of Cape Trinity. Numerous rocks are also close off the N, E, and W sides of the cape. The 10-fathom curve extends 3 miles off the cape and the 5-fathom curve is about 1.3 miles off. At the outer end of the shoal the depth increases rapidly to 20 fathoms. **Cape Alitak Light** (56°50'35"N., 154°18'25"W.), 63 feet (19.2 m) above the water, is shown from a small house with a red and white diamond-shaped daymark on the S end of the cape.
Lazy Bay, 4 miles NE from Cape Alitak, is well marked by Twin Peaks and Egg Island on its N side, and some white rocky ledges close to its S entrance point. The shore S of the entrance is clear if given a berth of 0.4 mile with the exception of the shoal making off the SE side of Cape Alitak.
A cannery with a wharf is on the N shore about 1 mile W from Egg Island. The wharf is 180 feet long with 30 feet reported alongside the face. Water is available at the wharf. The cannery season is May through September. Caretakers man the cannery in the off-season. The cannery monitors VHF-FM channel 16 and 4125 kHz single sideband (SSB); call sign is KBL-75. VHF-FM channel 79A is used as a working frequency; 2450 kHz SSB is also available. Telephone service is available at the village of Akhiok. The cannery maintains a store seasonally. A nurse or first aid technician is available during the canning season, but there are no hospital accommodations. Injuries or illnesses requiring hospitalization are flown to Kodiak. Air service is available to and from Kodiak on Tuesdays and Fridays during the off-season, and six days a week during the open season.
Anchorage in 9 to 15 fathoms, mud bottom, may be had between the cannery and the E entrance point to Rodman Reach. With E gales the wind blows directly in Lazy Bay and there is little room in case of dragging or parting a cable. Northwesters blow with great force into Lazy Bay from over the ridge back of the head of the bay. Small craft can find excellent shelter and smooth water in the entrance to Rodman Reach during E weather.
Rodman Reach is a narrow arm that extends SW from Lazy Bay and inside of **Tanner Head** to Cape Alitak where it forms a shallow basin from which **Alitak Lagoon**, also shallow, extends 3 miles N, being separated from the sea by a narrow shingle spit. About 100 yards off the E entrance point are two rocks awash. Excellent shelter for small craft will be found in the entrance to Rodman Reach.
Kodiak National Wildlife Refuge includes waters of Lazy Bay, Rodman Reach and Alitak Lagoon. Kodiak National Wildlife Refuge is a Marine Protected Area.
Kempff Bay, on the N side of Twin Peaks, is too deep for convenient anchorage and on its N side has broken bottom that should be avoided. There are neither settlements nor improvements in Kempff Bay.

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

RCC Juneau	Commander 17th CG District Juneau, Alaska	(907) 463-2000

Navigation Managers Area of Responsibility

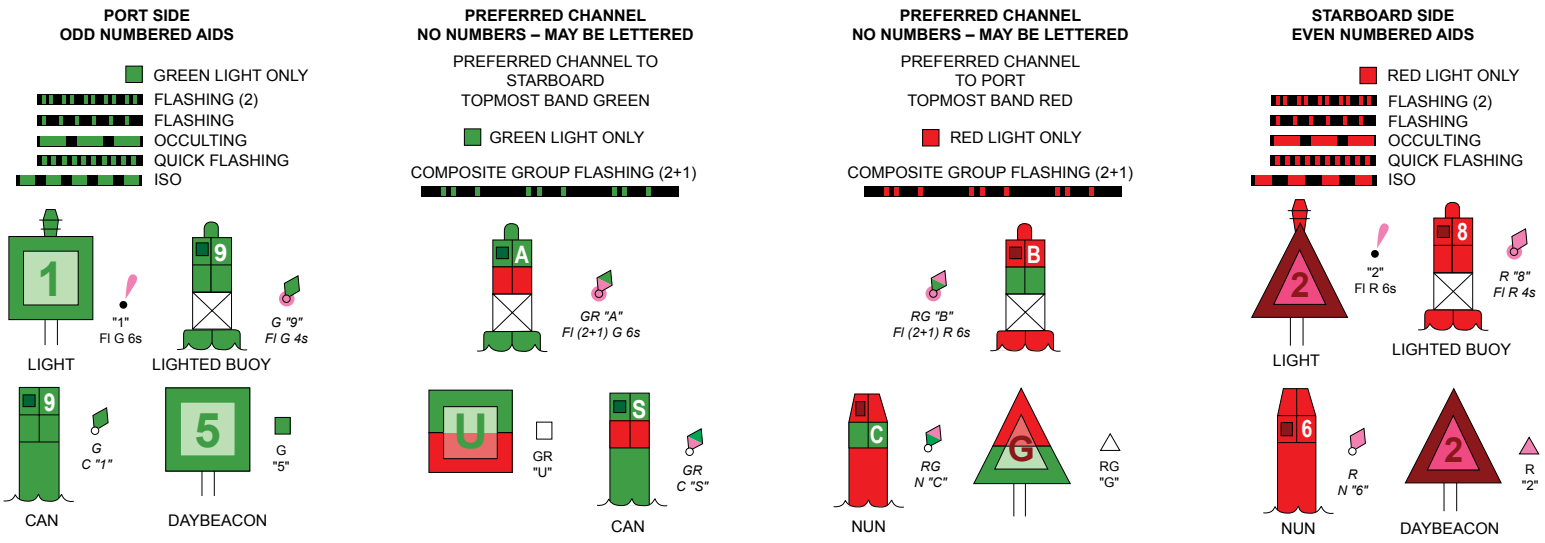


NOAA's navigation managers serve as ambassadors to the maritime community. They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit *nauticalcharts.noaa.gov/service/navmanagers*

To make suggestions or ask questions online, go to *nauticalcharts.noaa.gov/inquiry*.
To report a chart discrepancy, please use *ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx*.

Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at *http://www.navcen.uscg.gov*

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

16591

18' 17' 16' 15'

57°

59'

58'

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

ALASKA - SOUTH COAST

PART OF ALITAK BAY

CAPE ALITAK TO MOSER BAY

KODIAK ISLAND

Mercator Projection
Scale 1:20,000 at Lat. 56°55'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

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

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
Moser Bay (Trap Point)	(57°00'N/154°09'W)	11.6	10.8	1.6

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.

(May 2014)

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 2.880" southward and 8.290" westward to agree with this chart.

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).

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.

SCALE 1:20,000
Nautical Miles
½ 0 ½ 1 1½

Joins page 8

4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:20,000~~

Nautical Miles
0 1 1 ½

Yards
500 0 500 1000 1500 2000 2500

See Note on page 5.

Formerly C&GS 8575. 1st Ed., Mar. 1932 C-1931-369 KAPP 2549

14' 13' 12' 50" 40" 30" 20" 10' 11' 50" 154° 10' 09'

K O D I A K

Luchek Mt 1695

Trap Pt

Piles

SNUG COVE

Tungulara Mt 1581

1588

1935

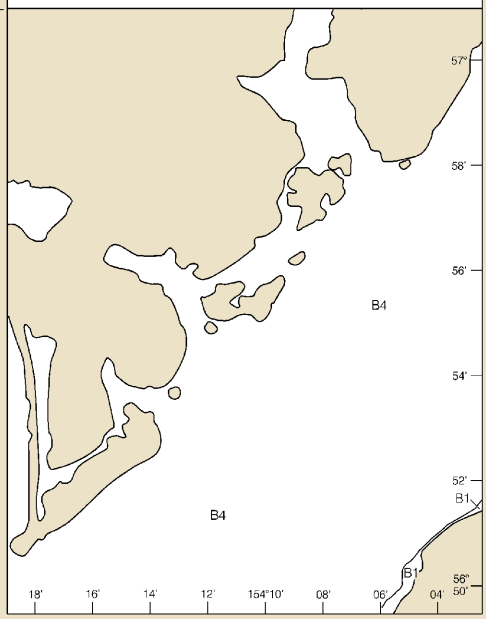
Joins page 6

Joins page 9

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			
B1	1990-2007	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage



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.

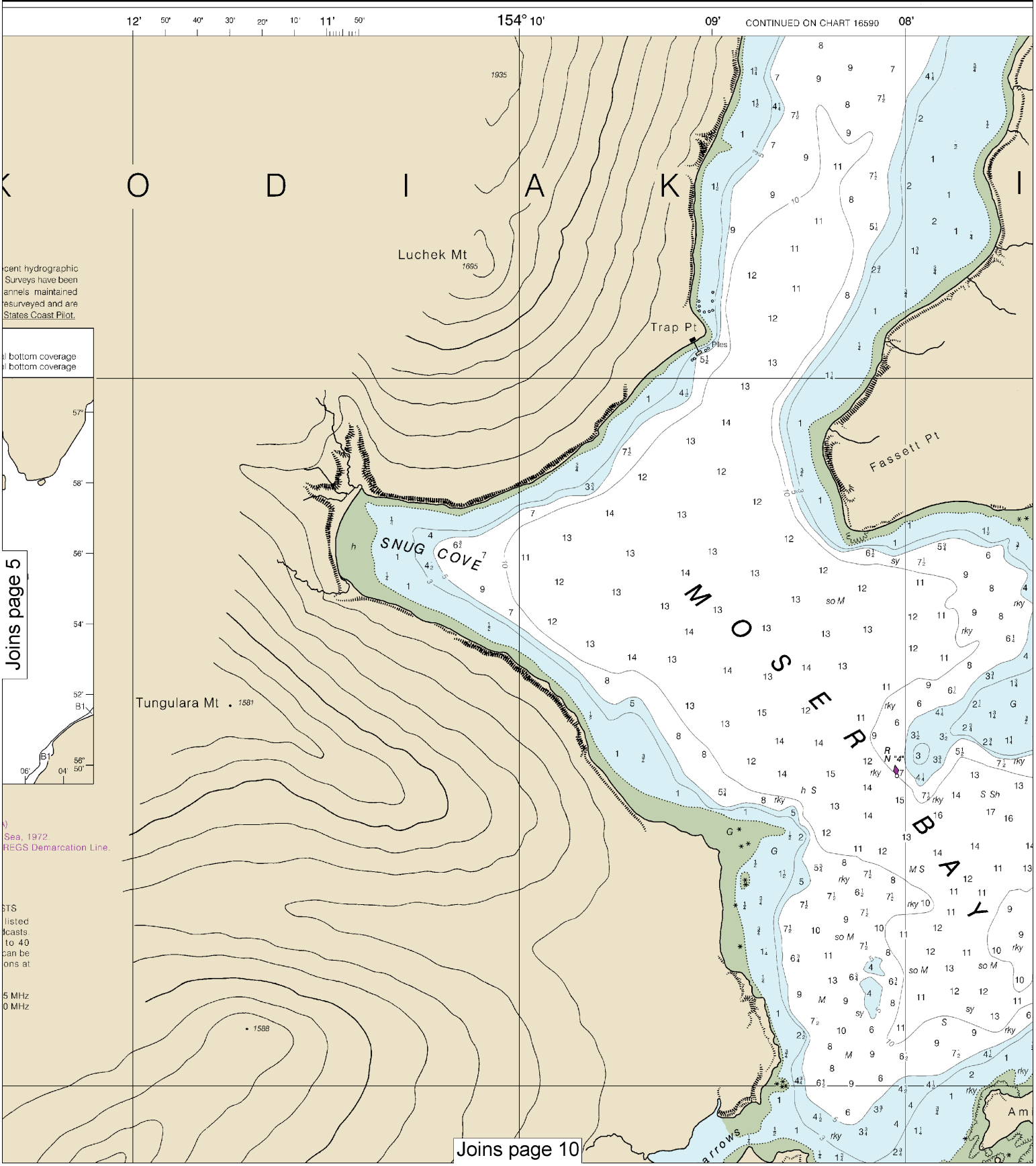
NOAA WEATHER RADIO BROADCASTS

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.

Raspberry I, AK	KZZ-90	162.425 MHz
Sitkinak Dome, AK	WNG-718	162.450 MHz

This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:26666. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

Formerly C&GS 8575. 1st Ed., Mar. 1932 C-1931-369 KAPP 2549



6

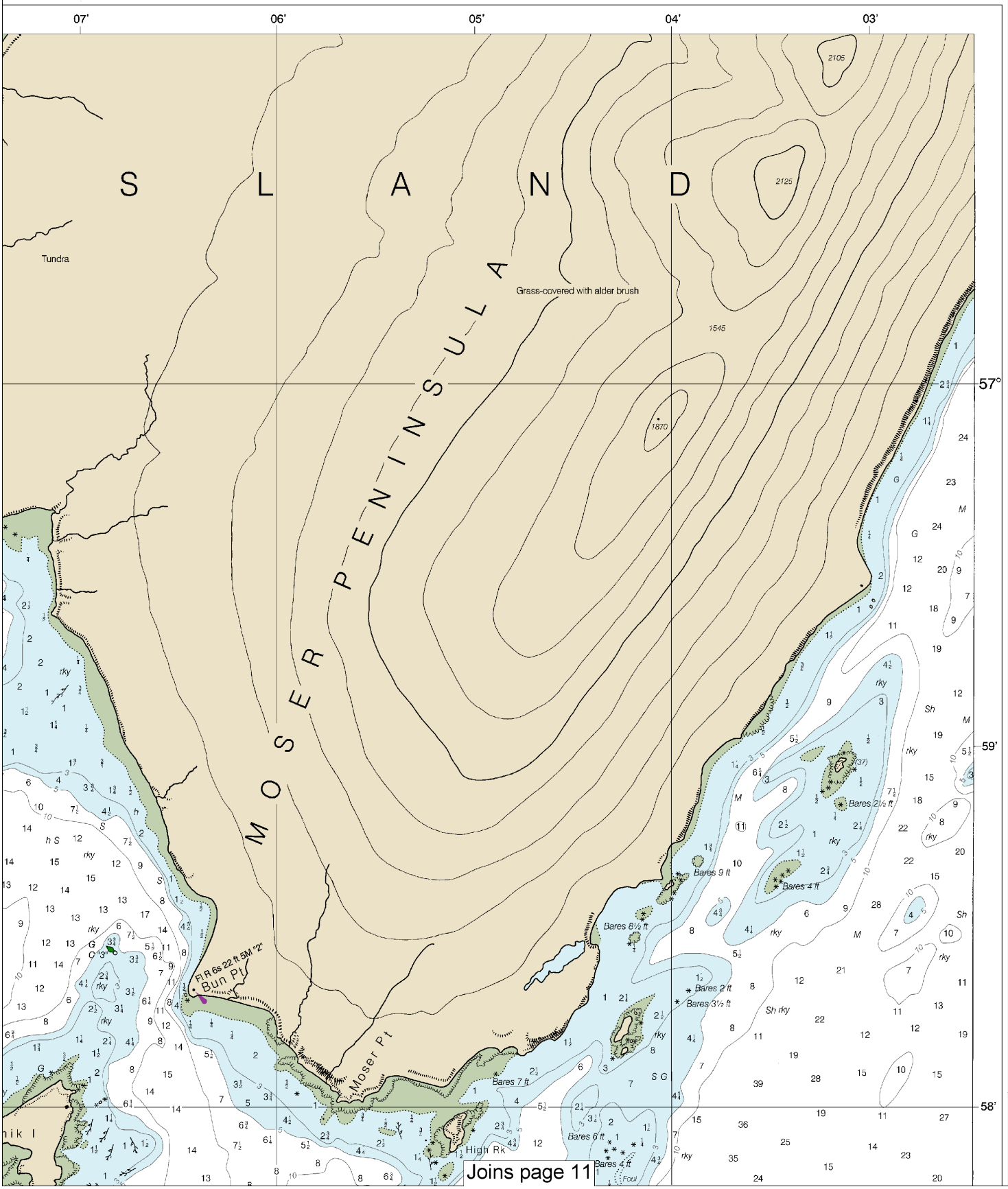
Note: Chart grid lines are aligned with true north.

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

16591



Last Correction: 7/1/2014. Cleared through:
LNM: 4616 (11/15/2016), NM: 4616 (11/12/2016), CHS: 1016 (10/28/2016)

Joins page 4

American
average of
to agree with this chart.

cd an
stward

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.

SCALE 1:20,000

Nautical Miles

½ 0 ½ 1 1½

Yards

500 0 500 1000 1500 2000 2500

58'

57'

56'

50"

40"

30"

20"

10"

55'

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 TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B 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 TR 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 muc	S sand	sy sticky

Miscellaneous:

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

2 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.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U.S. Coast Guard.

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.

AIDS TO NAVIGATION

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

CAUTION

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

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.

Pipeline Area

K E M

Pond

663

405

Joins page 12

Note: Chart grid lines are aligned with true north.

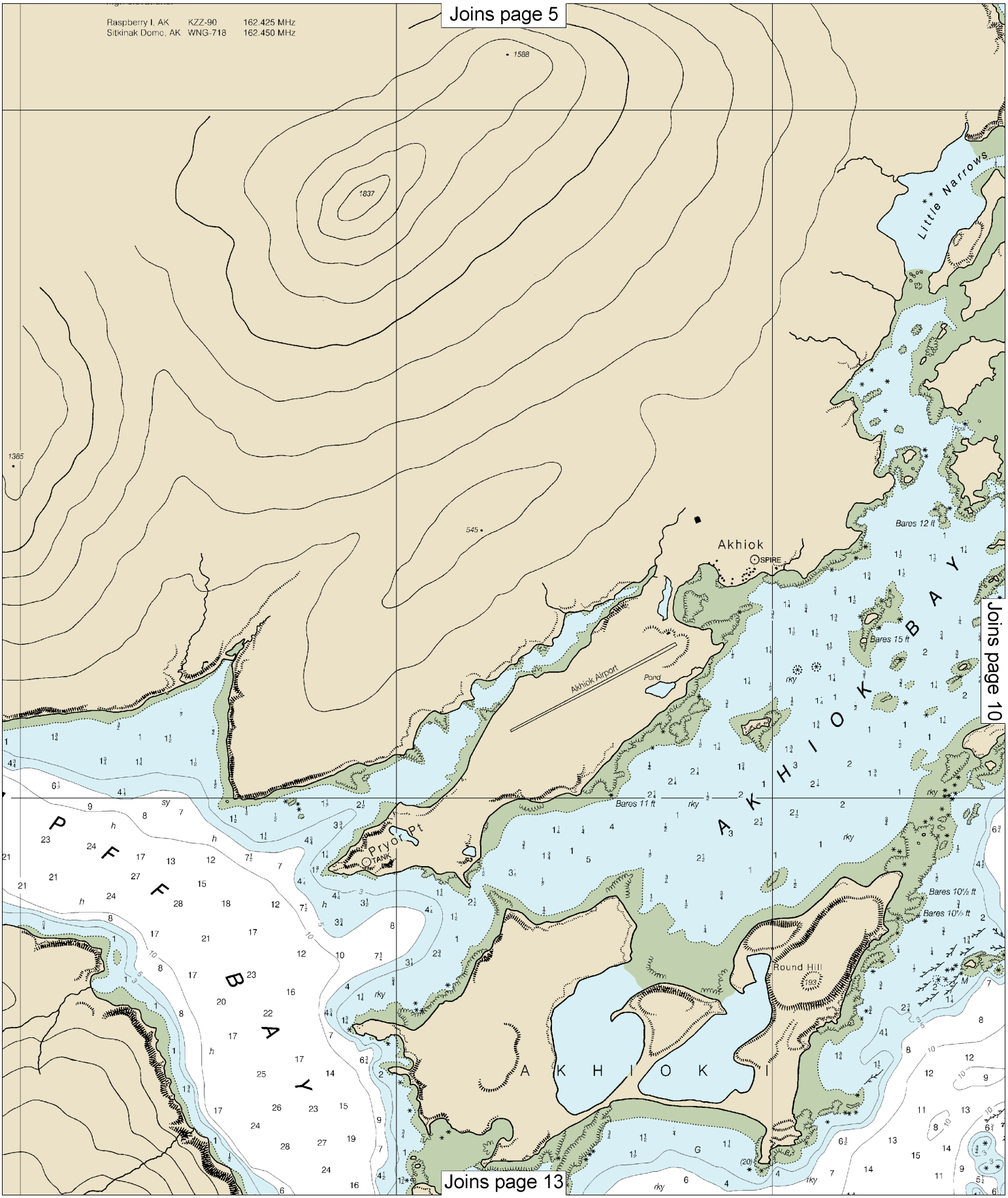
Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

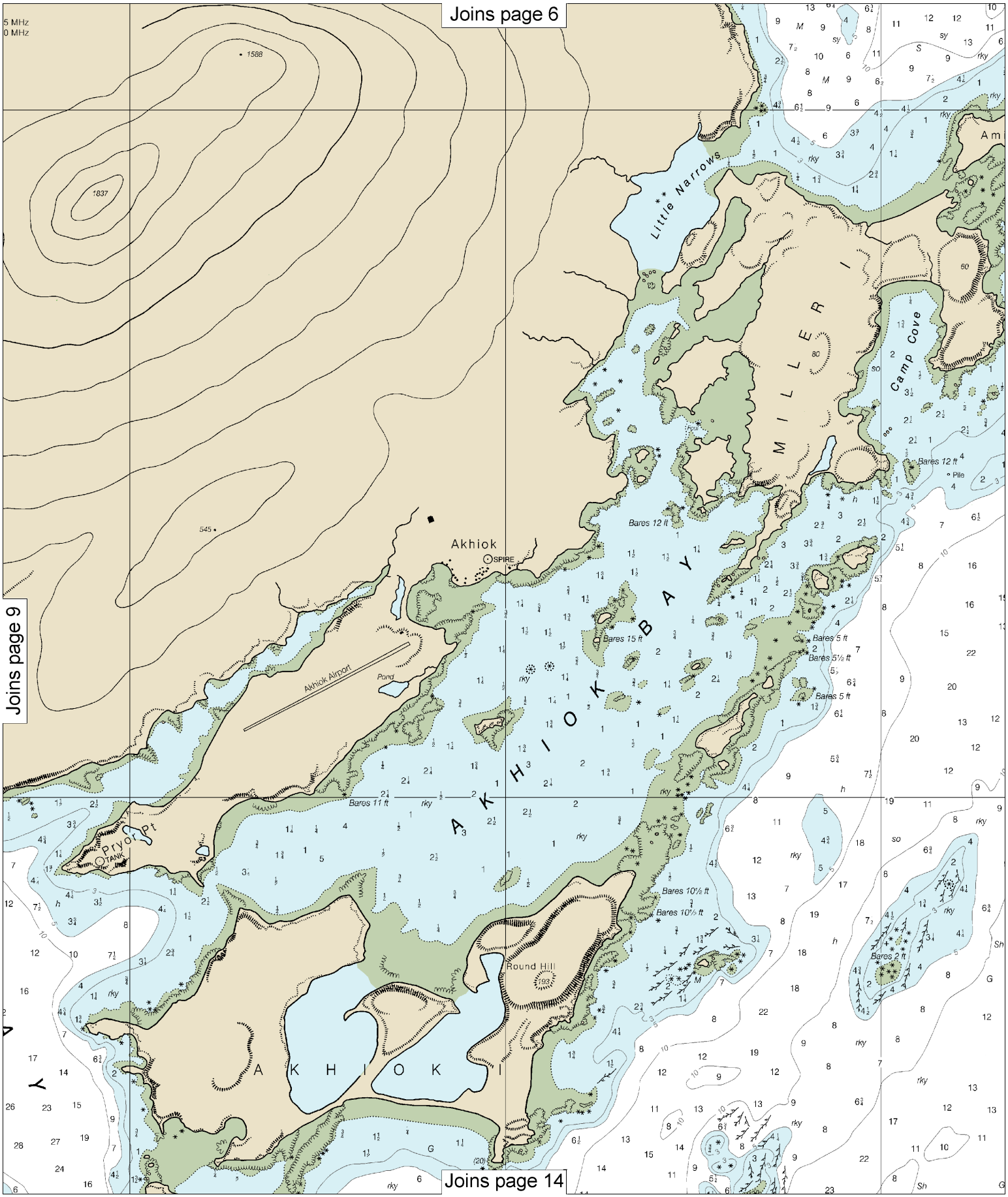
Nautical Miles

0 1 1½

Yards

500 0 500 1000 1500 2000 2500


Joins page 5
Raspberry I, AK KZZ-90 162.425 MHz
Sitkinak Dome, AK WNG-718 162.450 MHz
1588
1837
1365
545
Little Narrows
Akhiok
SPIRE
Bares 12 ft
Bares 15 ft
Akhiok Airport
Pond
Bares 11 ft
Pryor Pt
TANK
Bares 10½ ft
Bares 10½ ft
Round Hill
193
AKHIOK BAY
PFEFFER BAY
AKHIOK I
Joins page 10
Joins page 13



10

Note: Chart grid lines are aligned with true north.

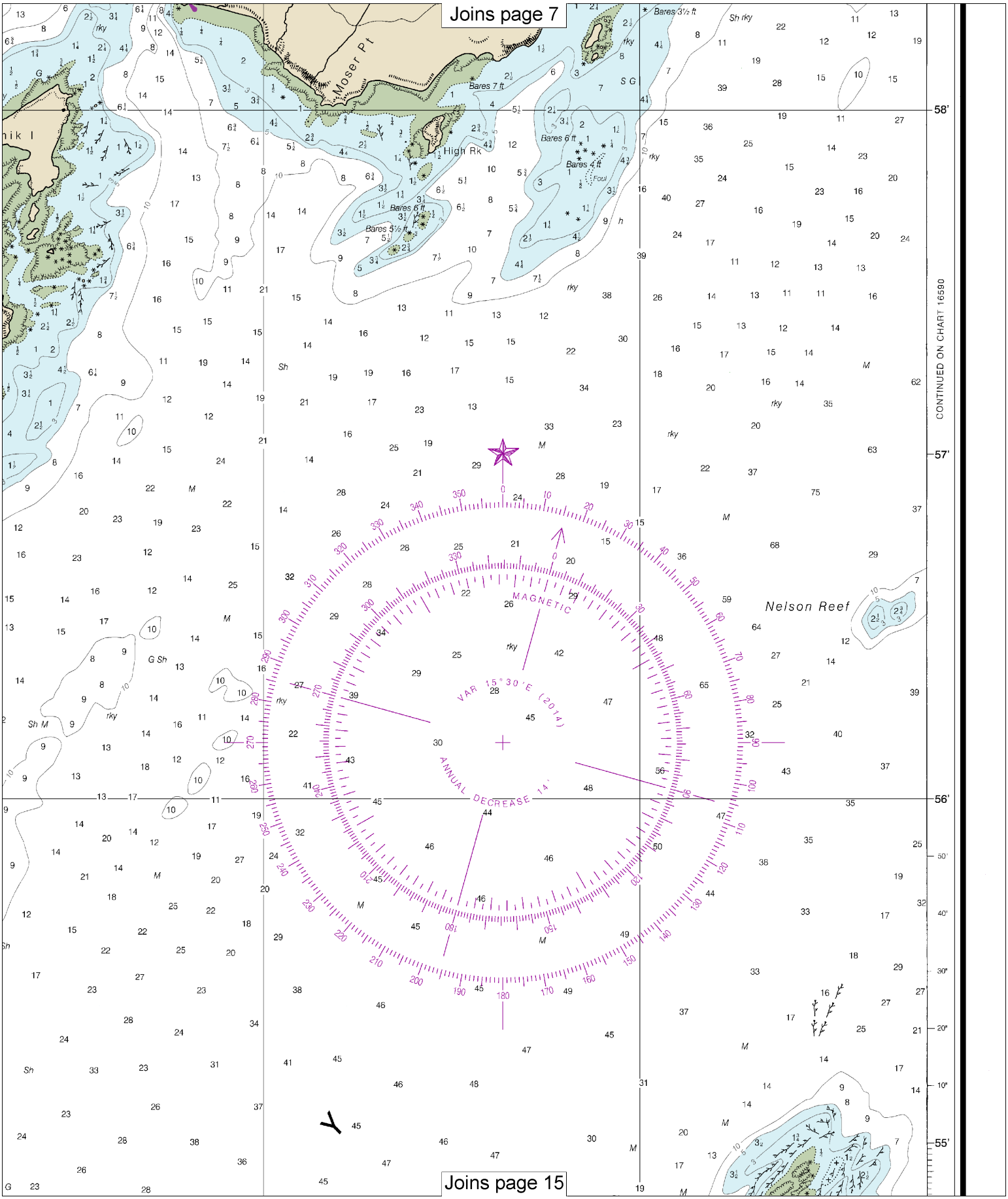
Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles

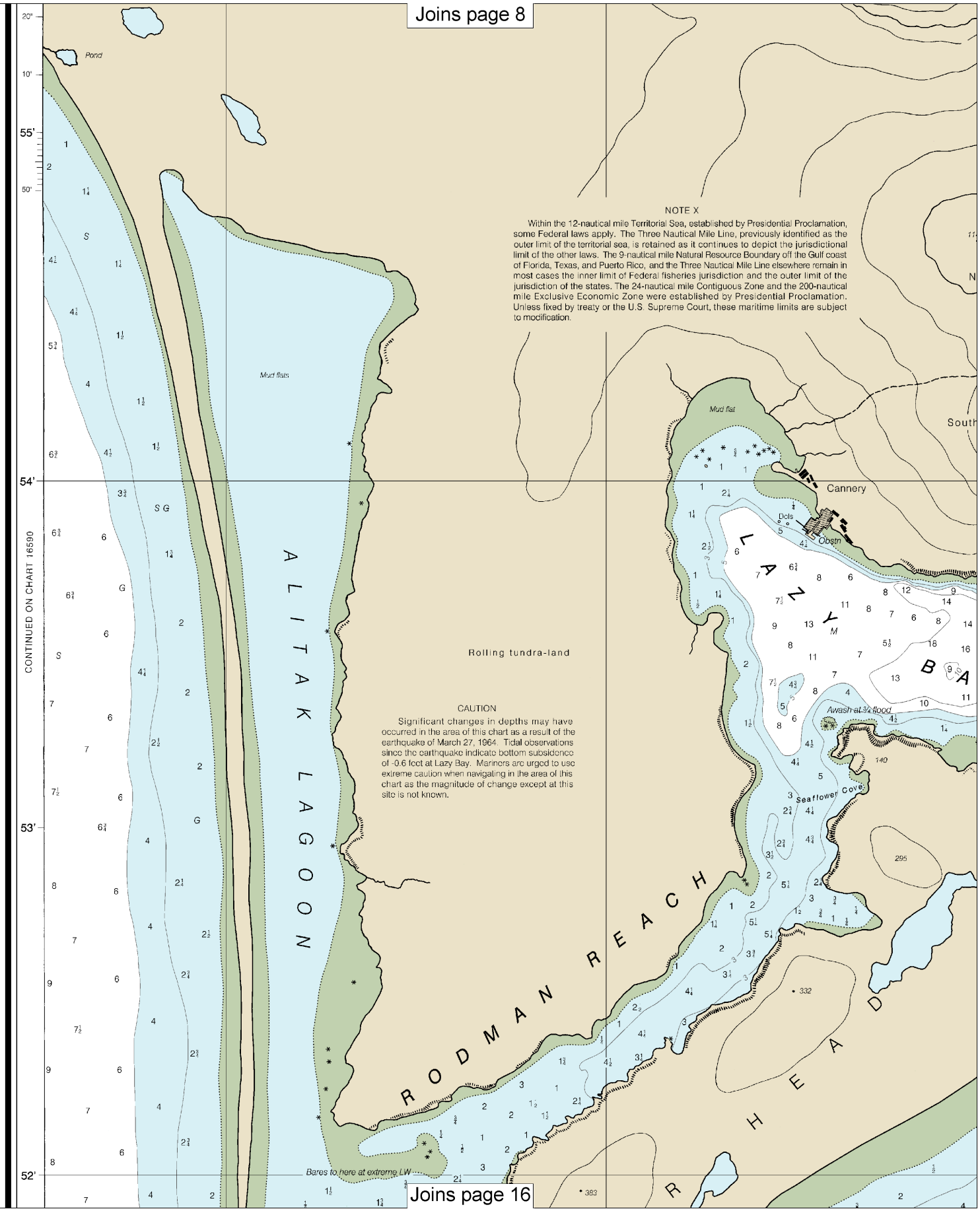
0 1 1½

Yards

500 0 500 1000 1500 2000 2500


Joins page 7
Moser Pt
High Rk
Bares 7 ft
Bares 6 ft
Bares 4 ft
Foul
Bares 6 ft
Bares 5½ ft
Bares 3½ ft
Sh rky
rky
Nelson Reef
MAGNETIC
VAR 15° 30' E (2014)
ANNUAL DECREASE 14'
CONTINUED ON CHART 16590
58'
57'
56'
55'
Joins page 15

Joins page 8



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.

CAUTION

Significant changes in depths 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 -0.6 feet at Lazy Bay. Mariners are urged to use extreme caution when navigating in the area of this chart as the magnitude of change except at this site is not known.

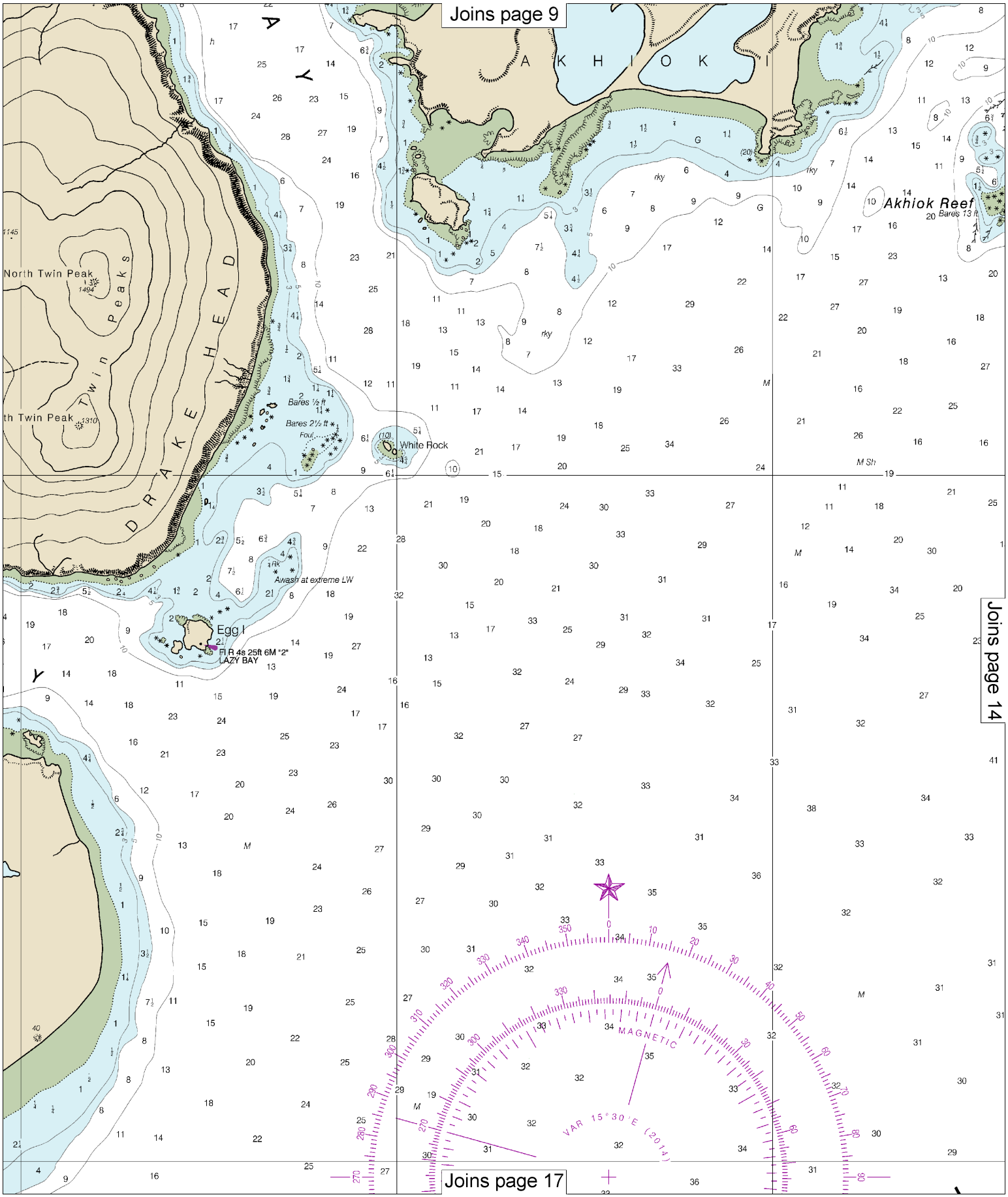
Joins page 16

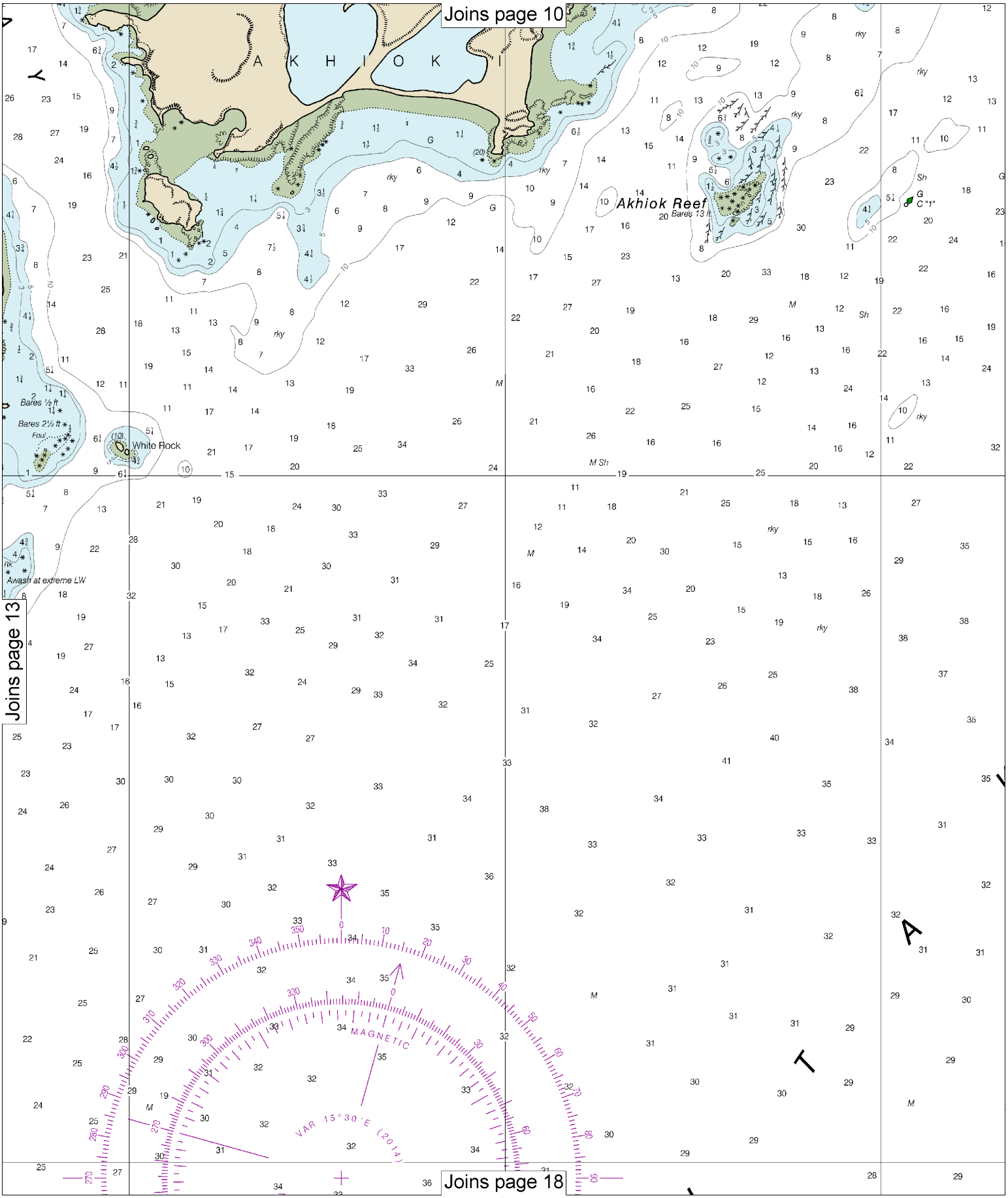
Note: Chart grid lines are aligned with true north.

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


Joins page 9
A K H I O K I
Akhiok Reef
Bares 13 ft
North Twin Peak
1494
Twin Peaks
th Twin Peak
1310
D R A K E H E A D
Bares ½ ft
Bares 2½ ft
Foul
White Rock
Awash at extreme LW
Egg I
Fl R 4s 25ft 6M "2"
LAZY BAY
MAGNETIC
VAR 15° 30' E (2014)
Joins page 14
Joins page 17



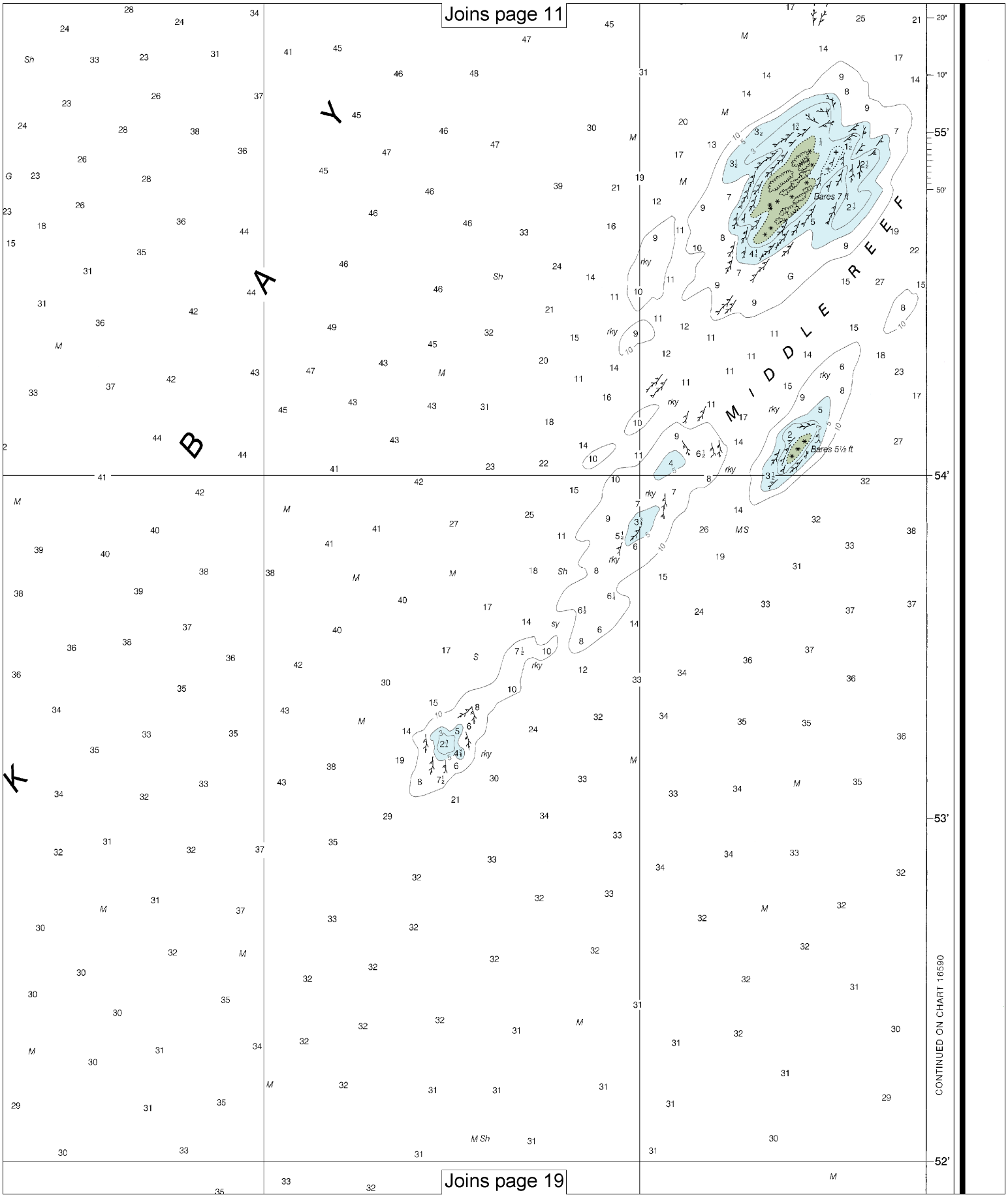
14

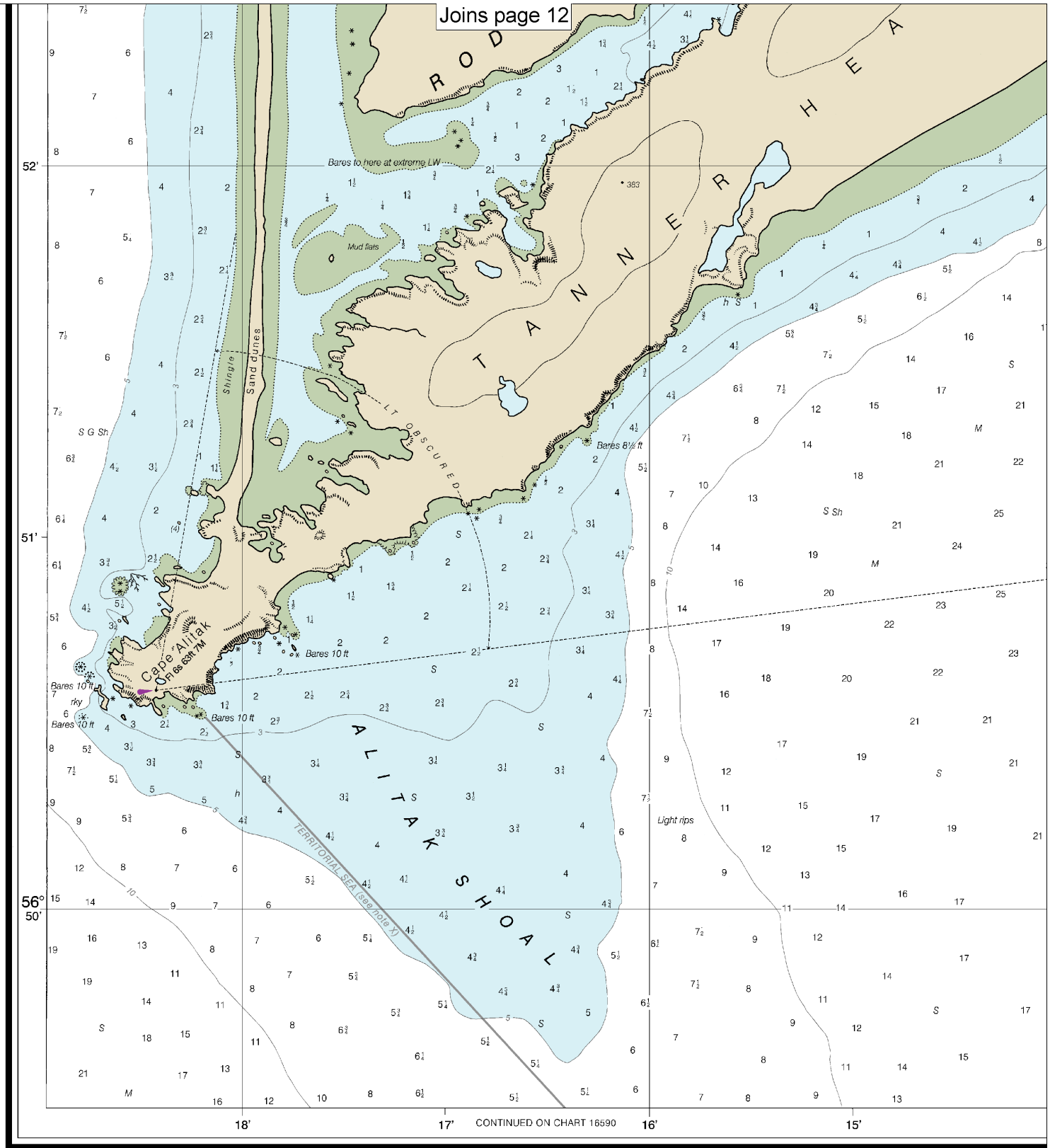
Note: Chart grid lines are aligned with true north.

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
BAY
MIDDLE REEF
Bares 7 ft
Bares 5½ ft
rky
Sh
M
MS
S
sy
G
54'
53'
52'
CONTINUED ON CHART 16590
Joins page 19



10th Ed., Jul. 2014

16591

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.

Last Correction: 7/1/2014. Cleared through:
LNM: 4616 (11/15/2016), NM: 4616 (11/12/2016), CHS: 1016 (10/28/2016)

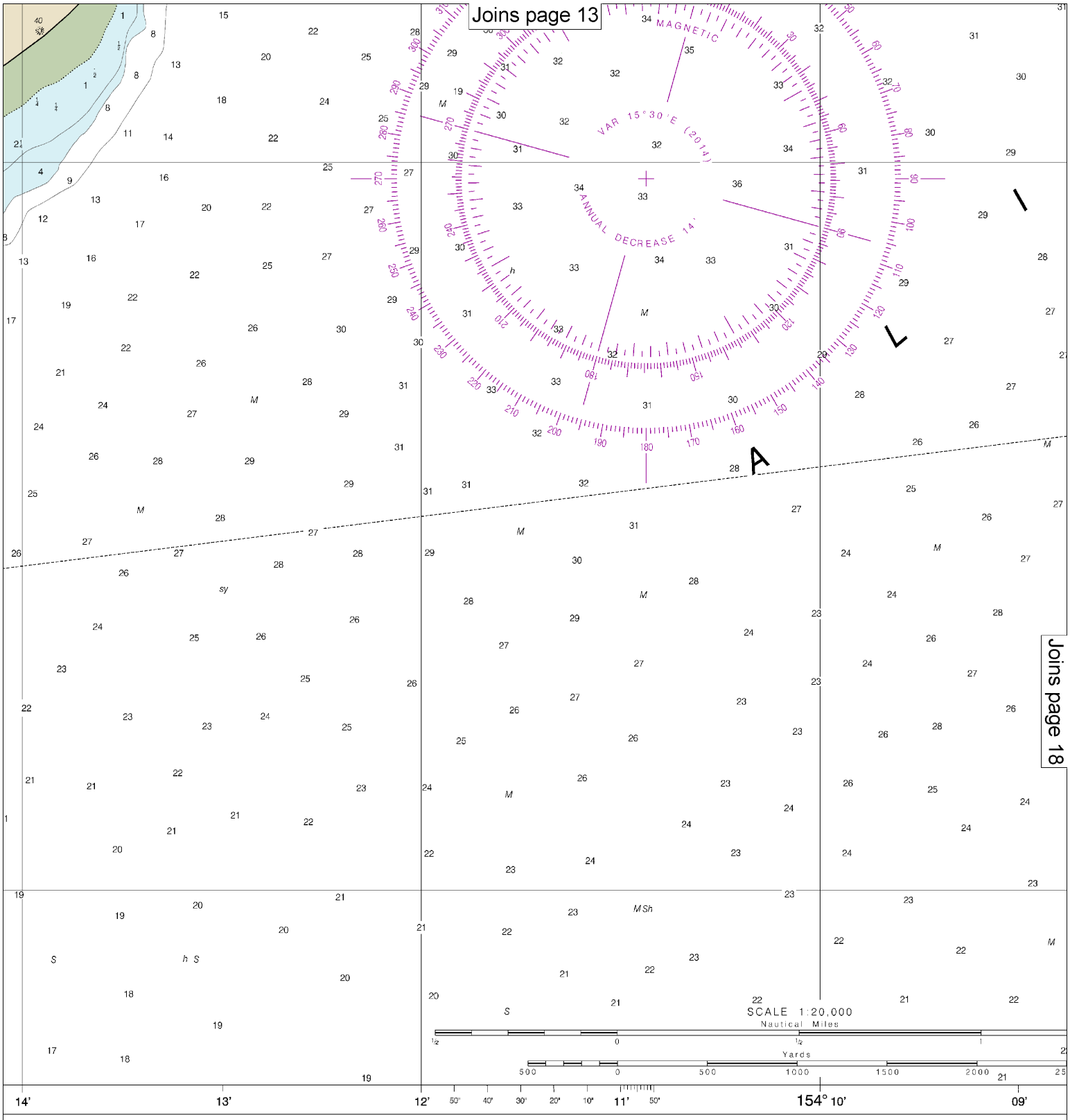
16

Note: Chart grid lines are aligned with true north.

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

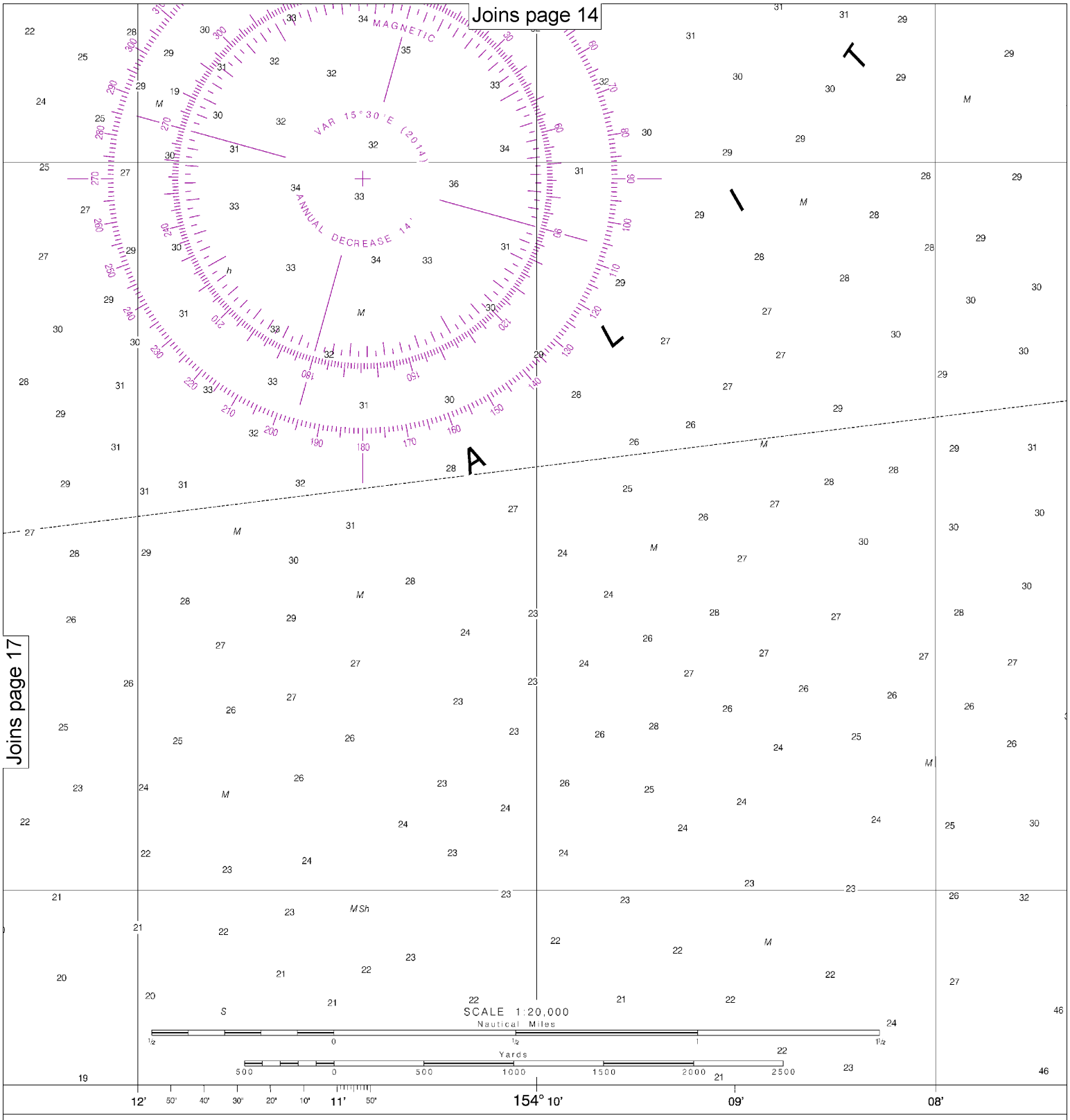
Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500



SOUNDINGS IN FATHOMS

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



N FATHOMS

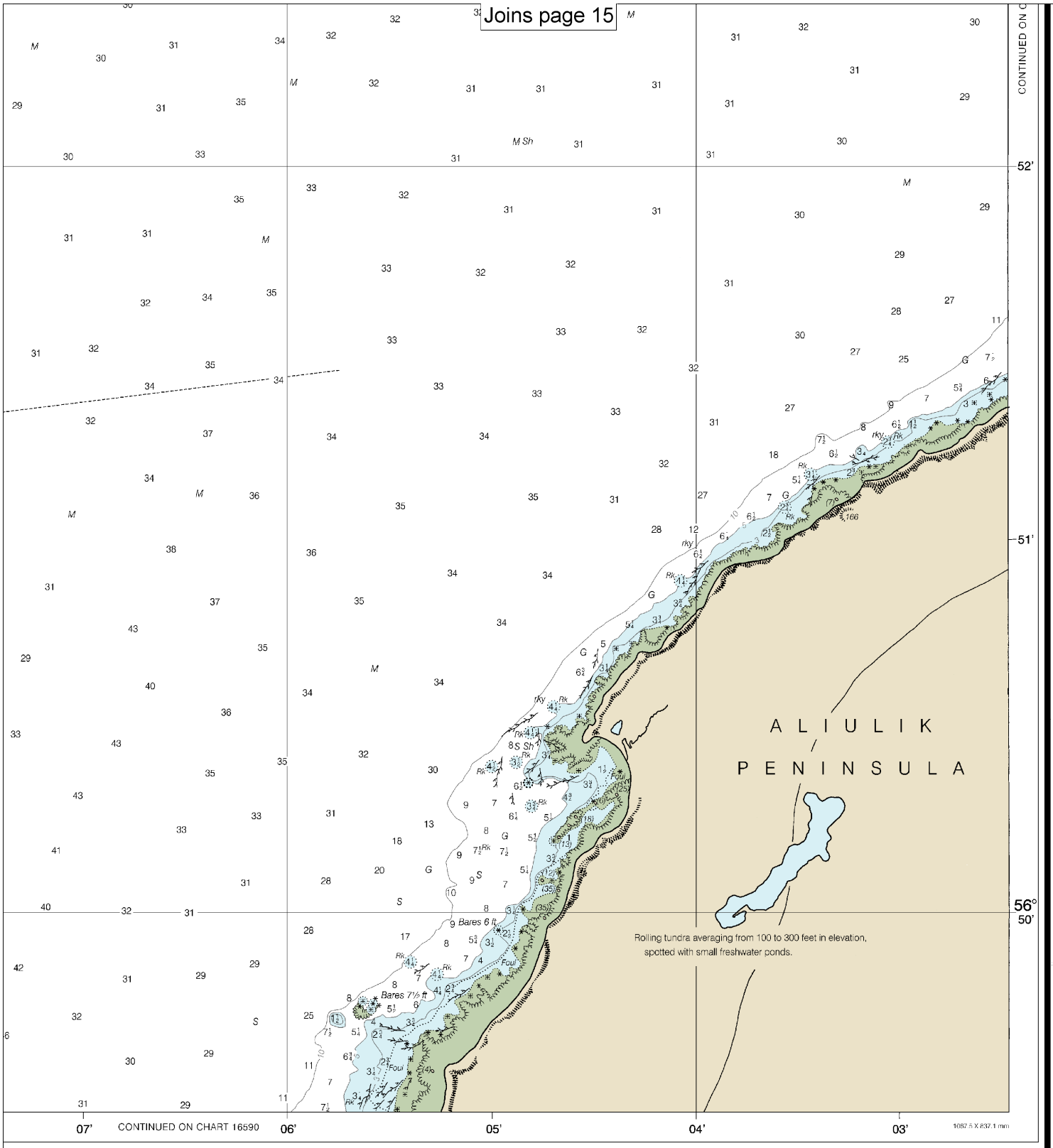
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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



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	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Cape Alitak to Moser Bay

SOUNDINGS IN FATHOMS - SCALE 1:20,000

16591

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**
Interactive chart catalog	—	**http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml**
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**

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