

# BookletChart™

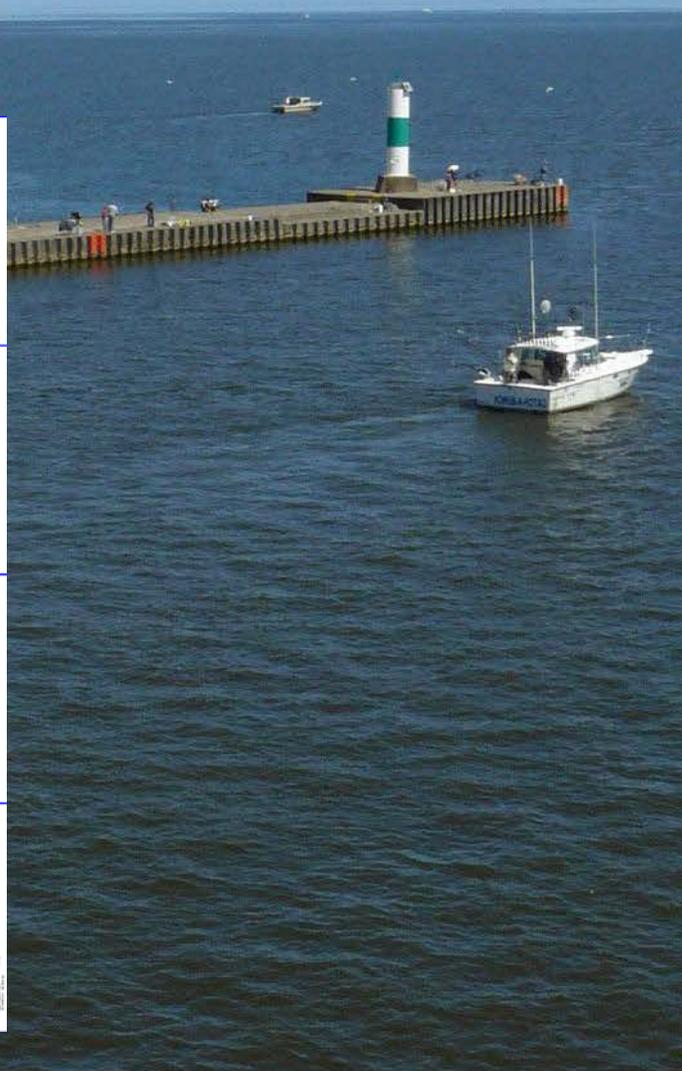
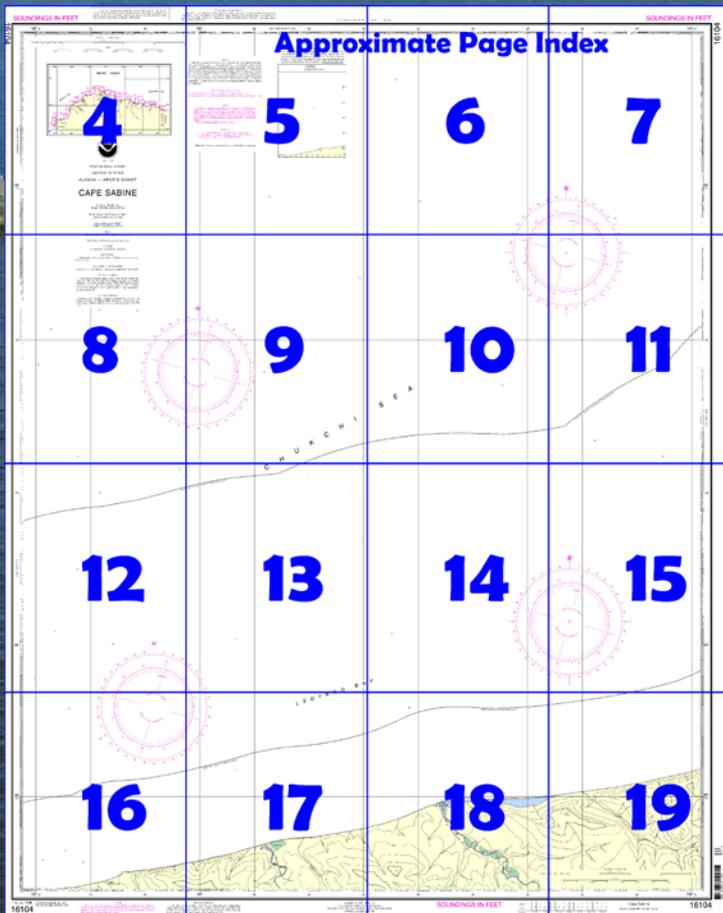
## Cape Sabine NOAA Chart 16104



*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](http://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.

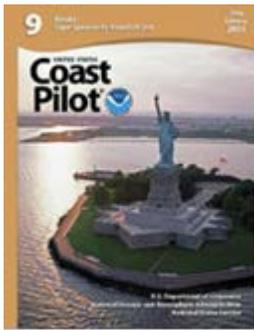
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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=16104>.



**(Selected Excerpts from Coast Pilot)**

The coast turns abruptly E from Cape Lisburne. The land is lower; the hills are rounded and slope to the sea. Toward **Cape Sabine** (68°55.0'N., 164°36.0'W.), 35 miles E of Cape Lisburne, is a series of ridges that terminate at the coast in bluffs. Cape Sabine is the outer end of one of the ridges and projects but slightly from the general line of the coast. Veins of coal 1 to 4 feet thick show plainly along the tops of the bluffs at Cape Sabine; some of the veins

have been worked but use of the coal is limited because of its poor quality and the difficulty of mining it.

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

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

# 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](http://nauticalcharts.noaa.gov/service/navmanagers)

To make suggestions or ask questions online, go to [nauticalcharts.noaa.gov/inquiry](http://nauticalcharts.noaa.gov/inquiry).  
To report a chart discrepancy, please use [ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx](http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx).

## Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers

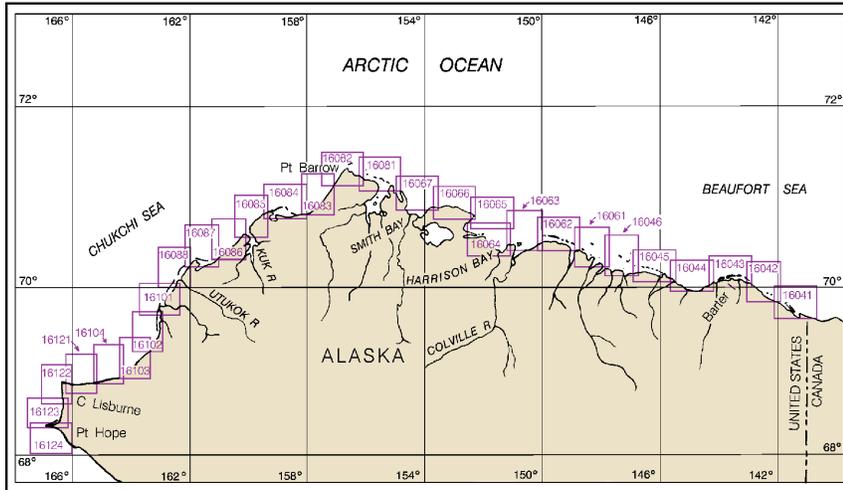
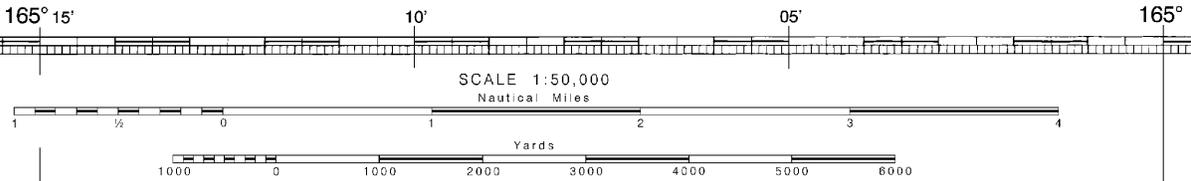


For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at <http://www.navcen.uscg.gov>

# SOUNDINGS IN FEET

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

16104



NOTE  
Within the 12-nautical mile Territorial Sea, some Federal laws apply. The Three Nautical mile outer limit of the territorial sea, is retained as limit of the other laws. The 9-nautical mile National Fishery Conservation Zone, and the 200-nautical mile Exclusive Economic Zone were established by the U.S. Supreme Court in 1988. Unless fixed by treaty or the U.S. Supreme Court, the limits are subject to modification.

COLREGS, 80.17  
International Regulations for Preventing Collisions at Sea  
The entire area of this chart falls seaward of the 12-nautical mile limit.

NOTE  
Navigation regulations are published in the U.S. Coast and Geodetic Survey's "Navigation Regulations" and "Navigation Regulations for Alaska." Information concerning the Office of the Commander, 17th Coast District, Alaska, is available from the Office of the District Engineer, Alaska.  
Refer to charted regulation section.

WARNING  
The prudent mariner will not rely on this chart for navigation, particularly on the Alaska coast, without consulting the Light List and U.S. Coast and Geodetic Survey's "Navigation Regulations" and "Navigation Regulations for Alaska."

Additional information can be obtained from the U.S. Coast and Geodetic Survey's "Navigation Regulations" and "Navigation Regulations for Alaska."

CAUTION  
Temporary changes in navigation are not indicated. Local Notice to Mariners should be consulted for such information.

CONTINUED ON CHART 16005

CONTIGUOUS ZONE (see note X)



THE NATION'S CHARTMAKER SINCE 1807

PROVISIONAL CHART  
UNITED STATES  
ALASKA - ARCTIC COAST  
**CAPE SABINE**

Mercator Projection  
Scale 1:50,000 at Lat. 69°06'

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

TIDES  
The periodic tide has a mean range of about one-half foot.

For Symbols and Abbreviations see Chart No. 1

HEIGHTS  
Heights in feet above Mean High Water.

AUTHORITIES  
Hydrography and topography by the National Ocean Service, Coast Survey.

SUPPLEMENTAL INFORMATION  
Consult U.S. Coast Pilot 9 for important supplemental information.

Joins page 8

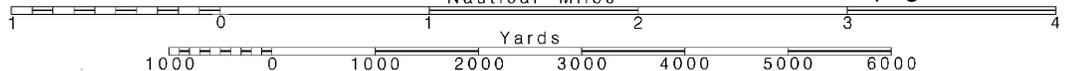
4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.



55' CONTINUED ON CHART 16005 50' 45' 40'

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.

TE X  
a, established by Presidential Proclamation, tical Mile Line, previously identified as the as it continues to depict the jurisdictional Natural Resource Boundary off the Gulf coast Three Nautical Mile Line elsewhere remain in ries jurisdiction and the outer limit of the mile Contiguous Zone and the 200-nautical tablished by Presidential Proclamation. e Court, these maritime limits are subject

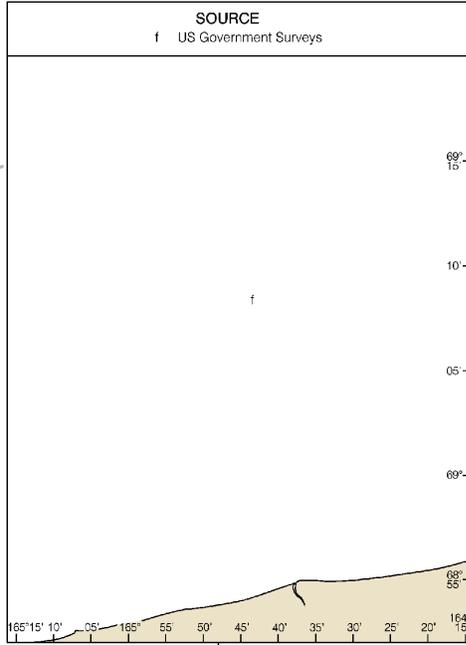
70s (see note A)  
g Collisions at Sea, 1972.  
ard of the COLREGS Demarcation Line.

TE A  
shed in Chapter 2, U.S. Coast Pilot 9.  
2 are published in the Notices to  
e regulations may be obtained at the  
st Guard District in Juneau, Alaska, or  
r, Corps of Engineers in Anchorage.  
on numbers.

NING  
ot rely solely on any single aid  
floating aids. See U.S. Coast  
ast Pilot for details.

ained at nauticalcharts.noaa.gov.

UTION  
pes or defects in aids to  
icated on this chart. See  
rs.



CONTIGUOUS ZONE (see note X)

72

84

84

Joins page 9

Joins page 6

JOINED ON CHART 16005

50'

45'

40'

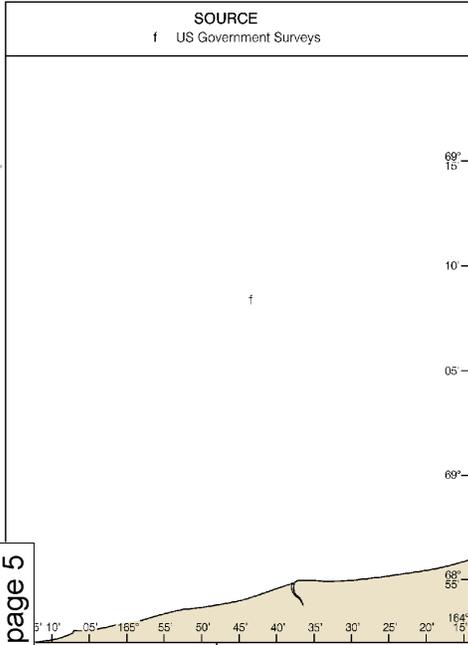
35'

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

f US Government Surveys



CONTIGUOUS ZONE (see note X)

72

84

Joins page 5

Joins page 10

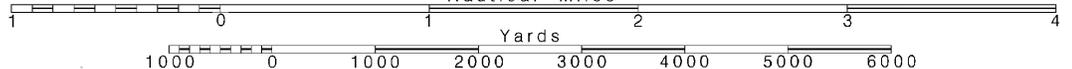


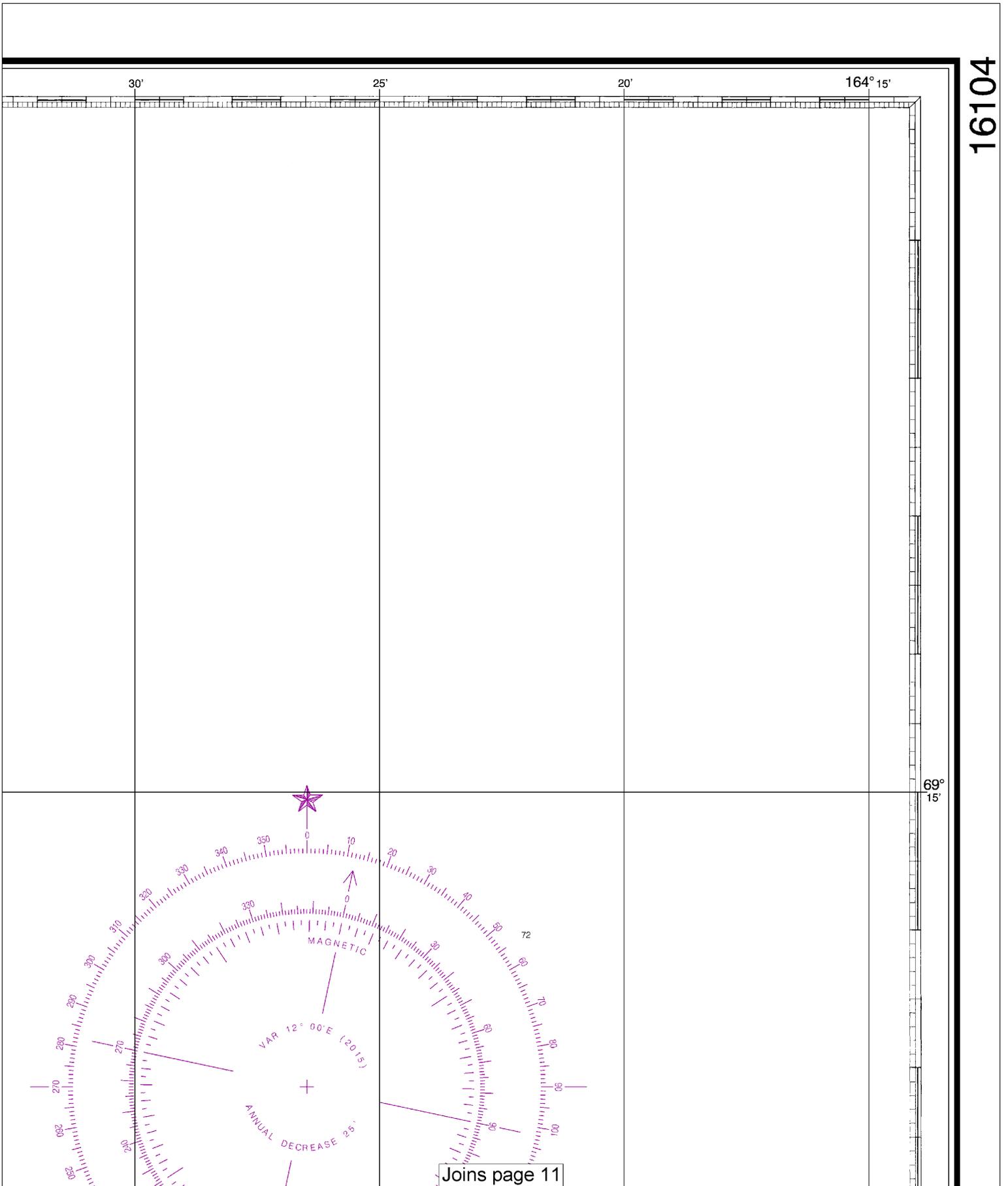
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.





Last Correction: 1/28/2015. Cleared through:  
LNM: 4616 (11/15/2016), NM: 4616 (11/12/2016), CHS: 1016 (10/28/2016)

# Joins page 4

The periodic tide has a mean range of about one-half foot.

For Symbols and Abbreviations see Chart No. 1

**HEIGHTS**  
Heights in feet above Mean High Water.

**AUTHORITIES**  
Hydrography and topography by the National Ocean Service, Coast Survey.

**SUPPLEMENTAL INFORMATION**  
Consult U.S. Coast Pilot 9 for important supplemental information.

**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 2.431' southward and 11.062' 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).

77 84 77

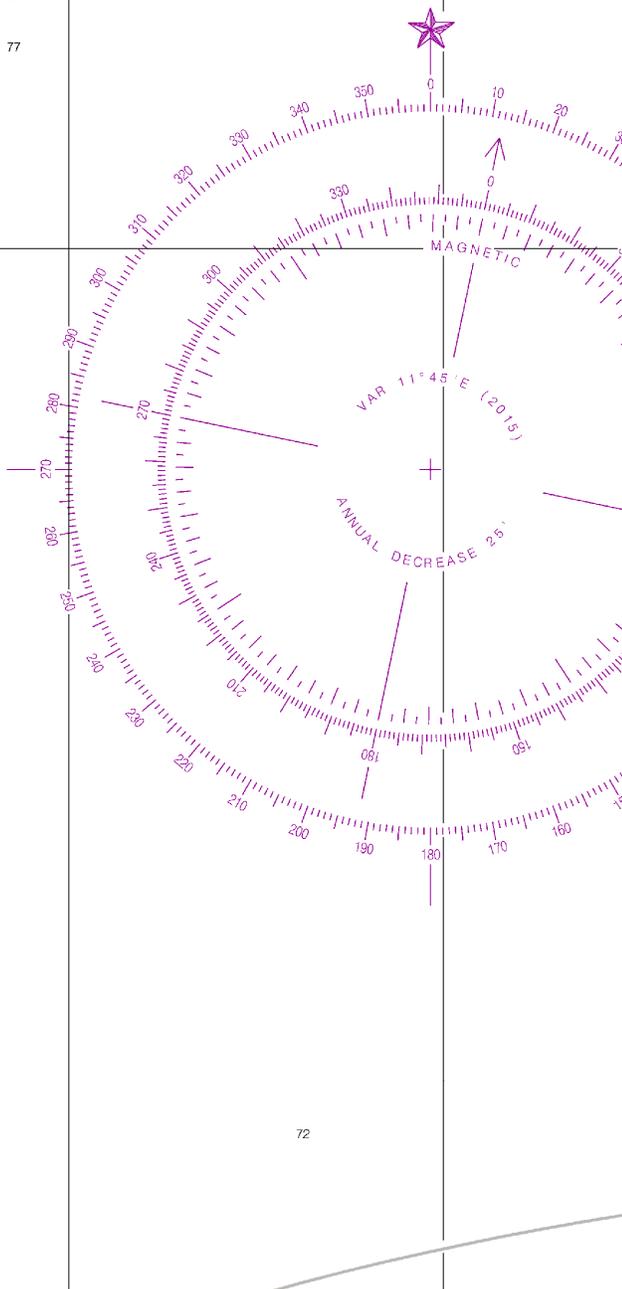
102

10'

95

77

72



# Joins page 12

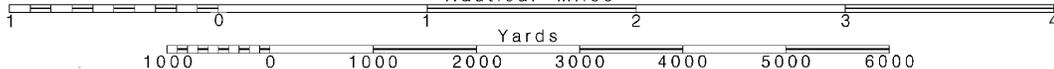


Note: Chart grid lines are aligned with true north.

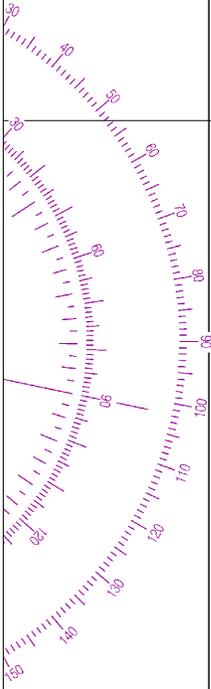
Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.



84



72

C H U K C H I S E A

TERRITORIAL SEA (see note X) 48

Joins page 6

84

Joins page 9

H U K C H I S E A

TERRITORIAL SEA (see note X)

Joins page 14

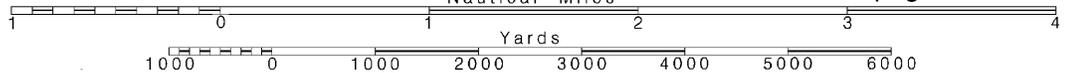
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Note: Chart grid lines are aligned with true north.

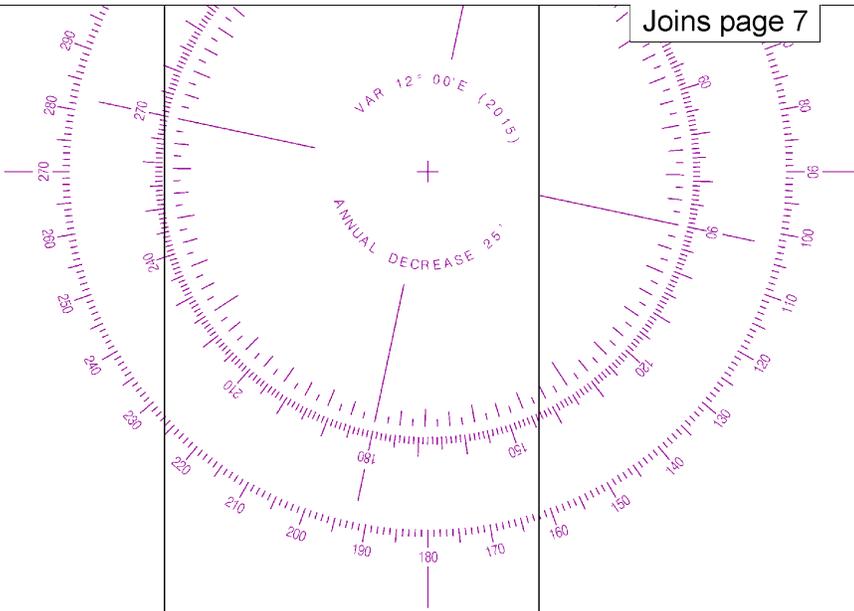
Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.



Joins page 7



60

54

42

TERRITORIAL SEA (see note X)

10'

JOINS CHART 16'03

Joins page 15

77

72

05'

84

TERRITORIAL SEA (see note X)

72

72

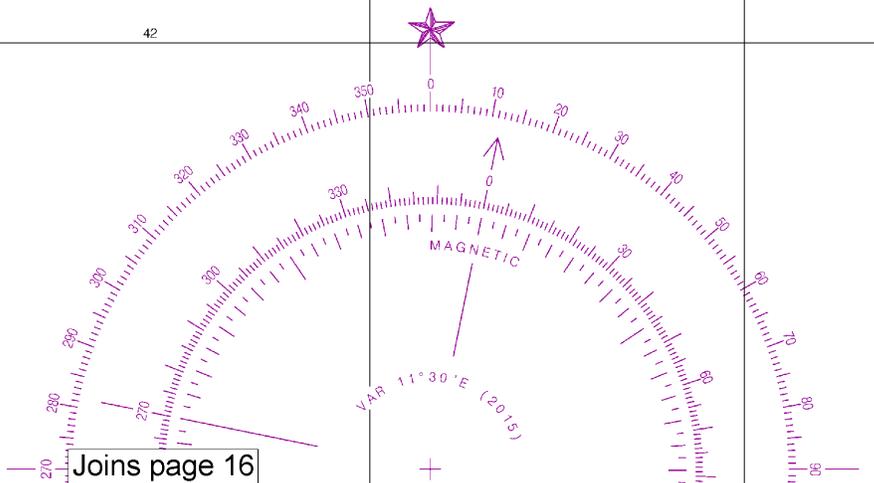
42

69°

60

54

Joins page 16



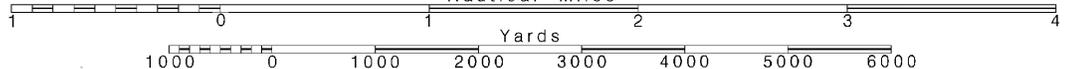
12

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.



Joins page 9

C H U

Joins page 14

48

42

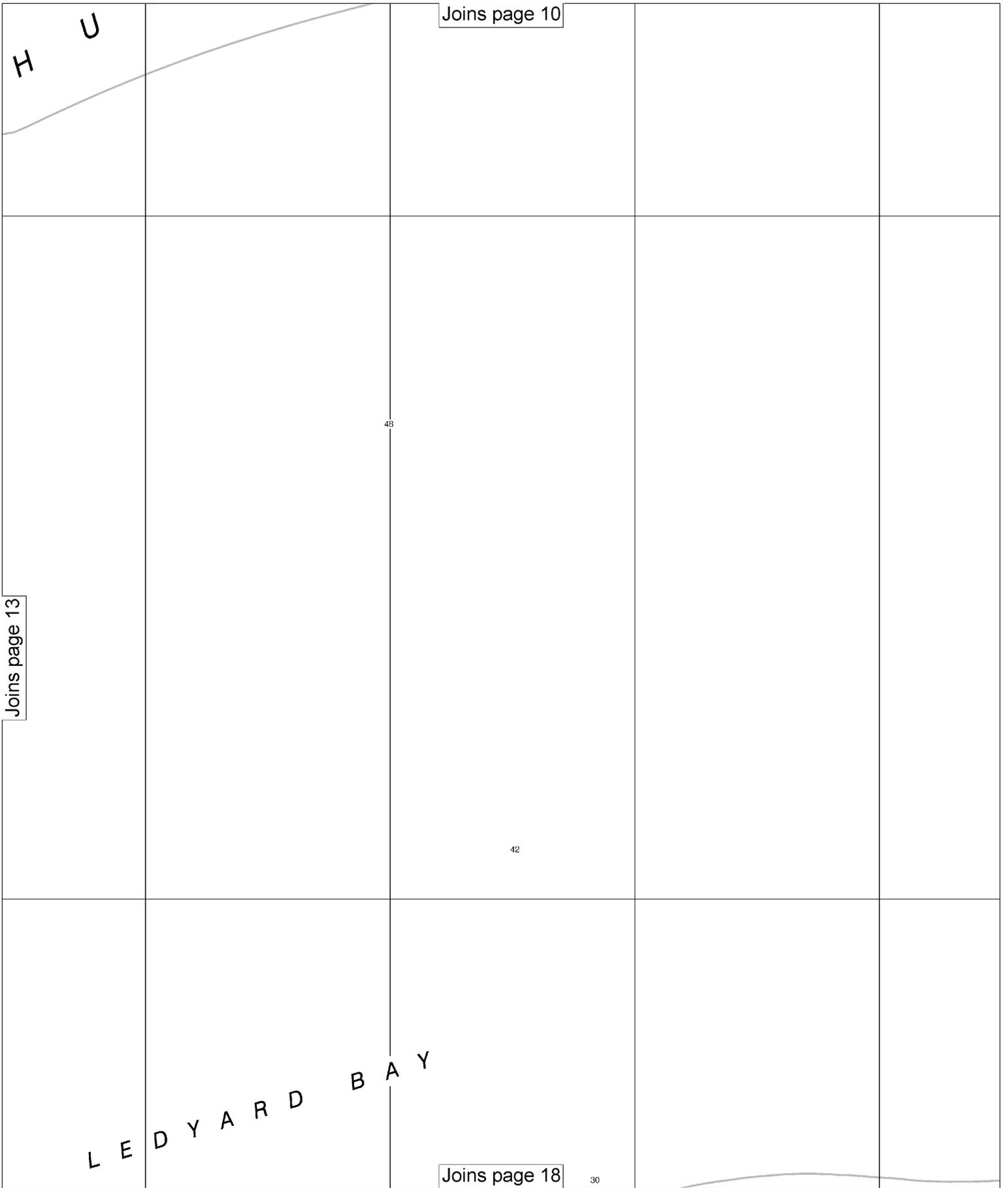
42

36

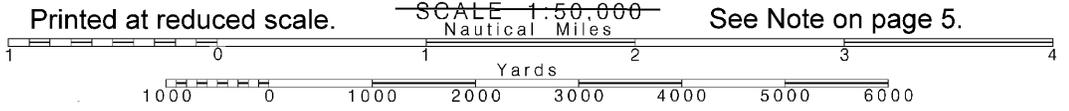
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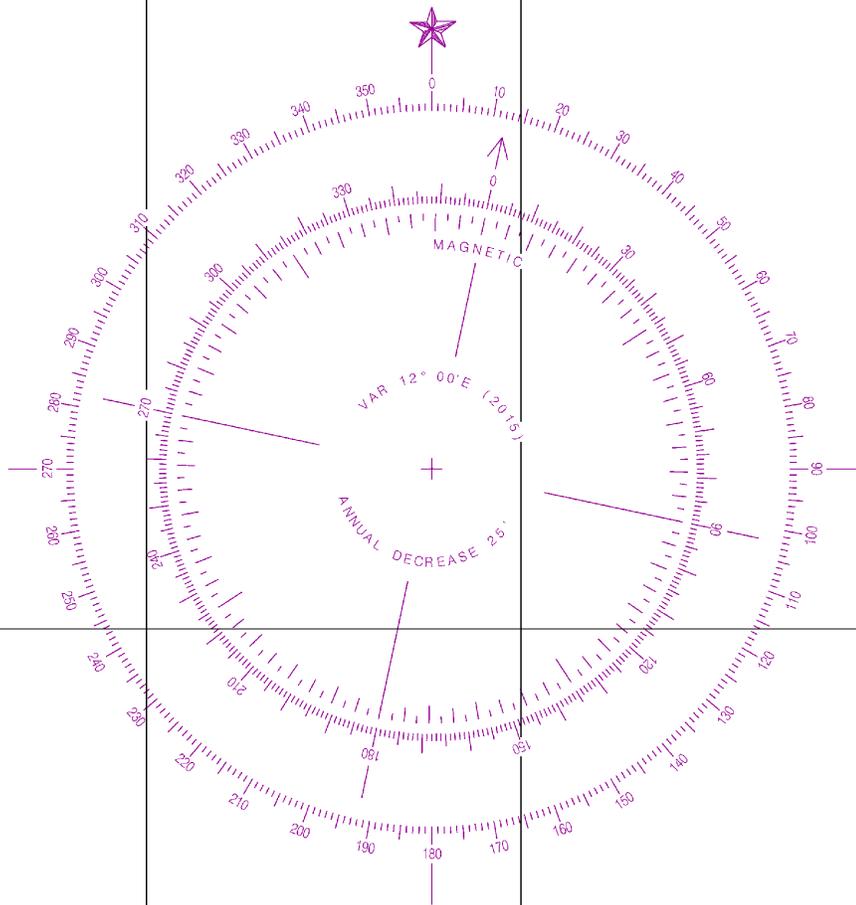
Joins page 17

30



Note: Chart grid lines are aligned with true north.

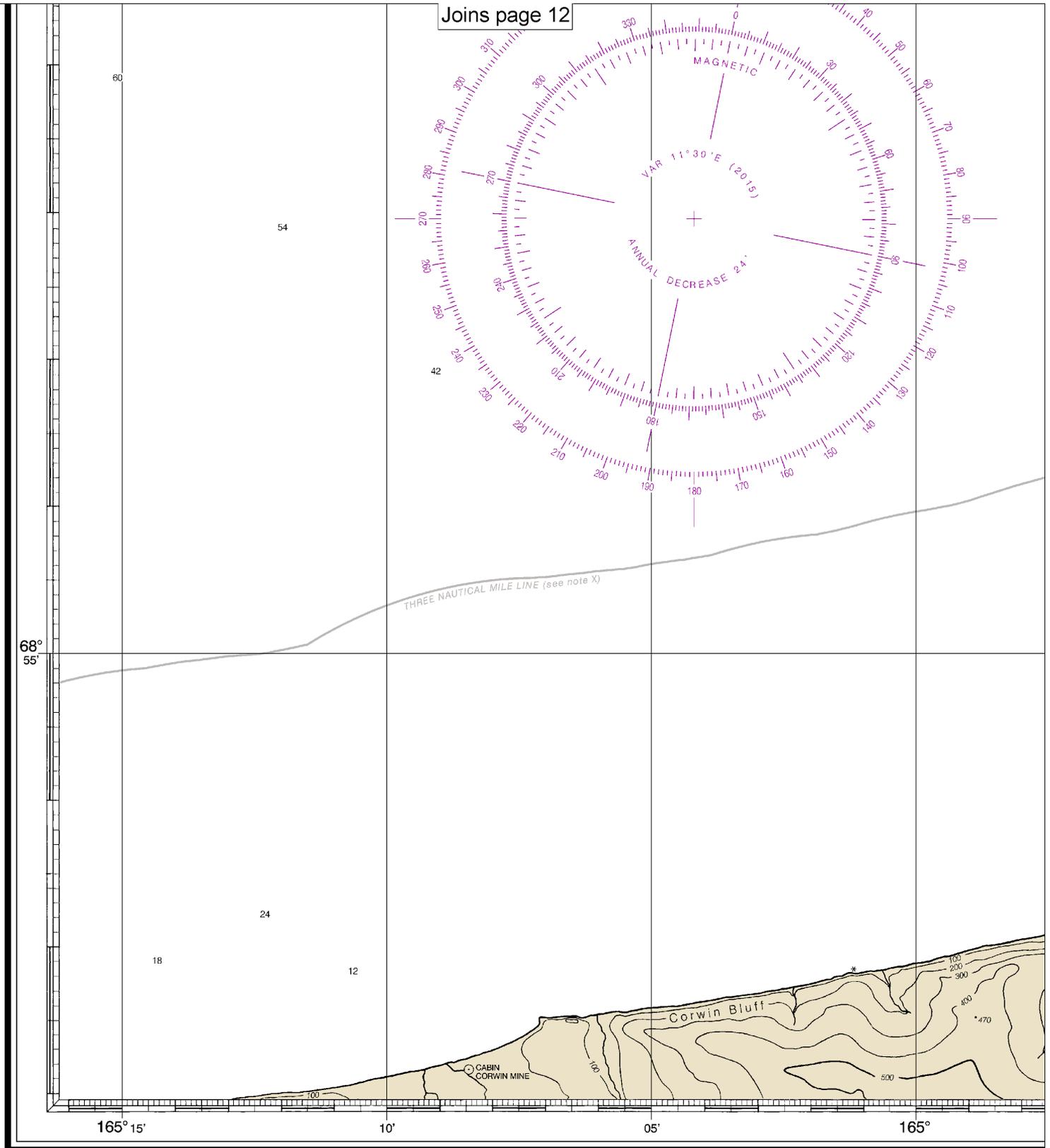




05'

69°

THREE NAUTICAL MILE LINE (see note X)



6th Ed., Jan. 2015

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](http://nauticalcharts.noaa.gov).

16104

Last Correction: 1/28/2015. Cleared through:  
LNM: 4616 (11/15/2016), NM: 4616 (11/12/2016), CHS: 1016 (10/28/2016)

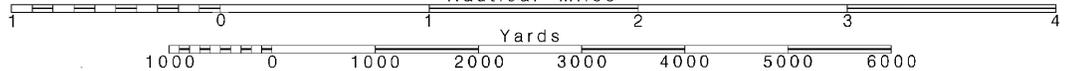
16

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.



# LEDYARD BAY

36

30

THREE NAUTICAL MILE LINE (see note X)

19

Joins page 18

CABIN

\*135

100

200

300

400

500

570

300

Thetis Mine

Thetis Creek

Kigilok Creek

Wet tundra

330

100

200

300

55'

50'

45'

40'

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

SO

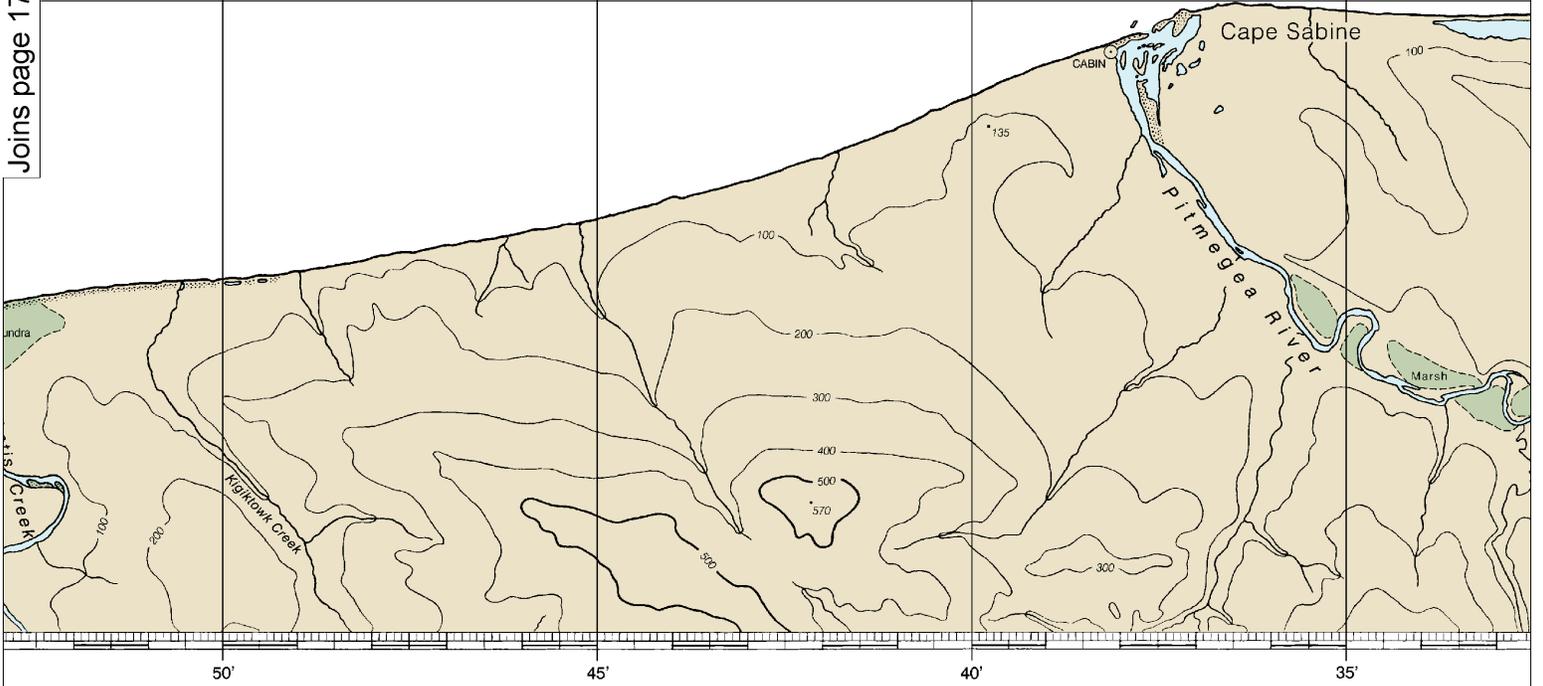
Joins page 14

# LEDYARD BAY

30

THREE NAUTICAL MILE LINE (see note X)

Joins page 17



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

## SOUNDINGS IN FEET

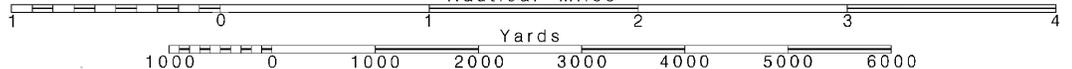
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Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

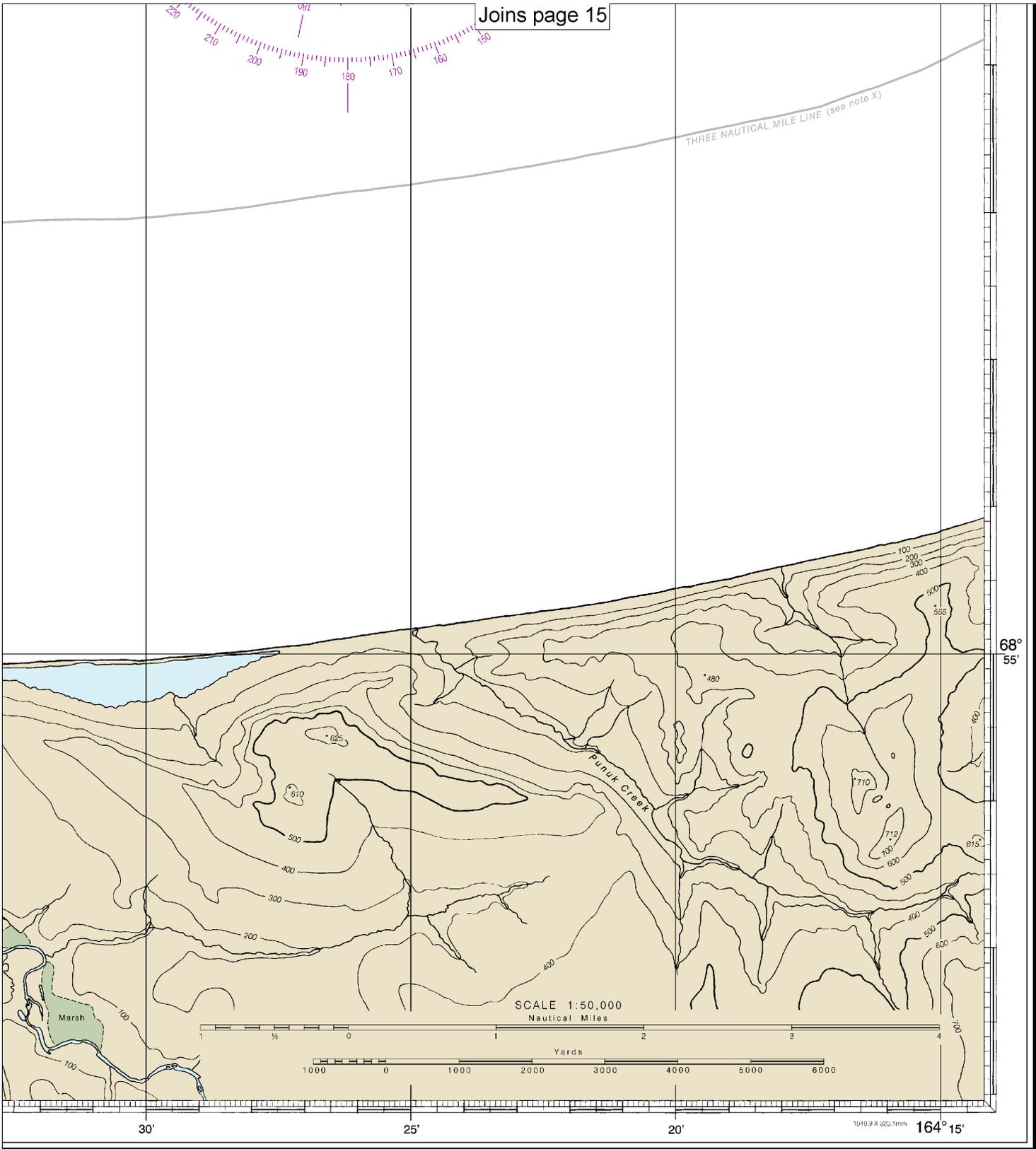
SCALE 1:50,000  
 Nautical Miles

See Note on page 5.



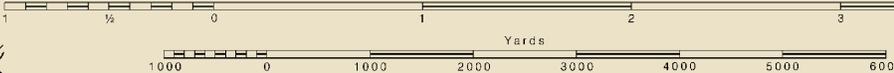
Joins page 15

THREE NAUTICAL MILE LINE (see note X)



68° 55'

SCALE 1:50,000  
Nautical Miles



30' 25' 20' 164° 15'

T

|         |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 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  |

Cape Sabine  
SOUNDINGS IN FEET - SCALE 1:50,000

16104



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!**



**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://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx>
- Chart and chart related inquiries and comments — <http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs>
- Chart updates (LNM and NM corrections) — [http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\\_NM.html](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 Hurricane Center — <http://www.nhc.noaa.gov/>
- Pacific Tsunami Warning Center — <http://ptwc.weather.gov/>
- Contact Us — <http://www.nauticalcharts.noaa.gov/staff/contact.htm>



— For the latest news from Coast Survey, follow @NOAAcharts



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.