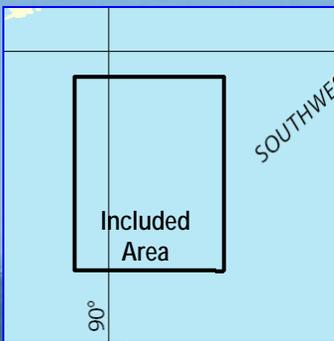


# BookletChart™

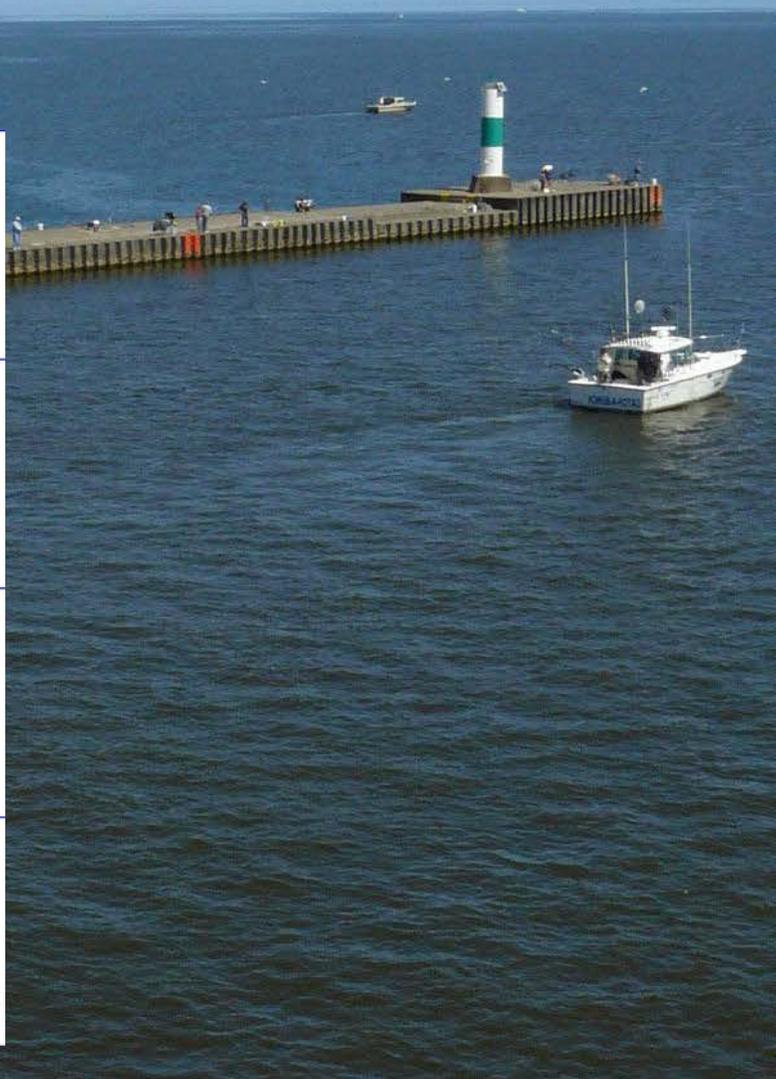
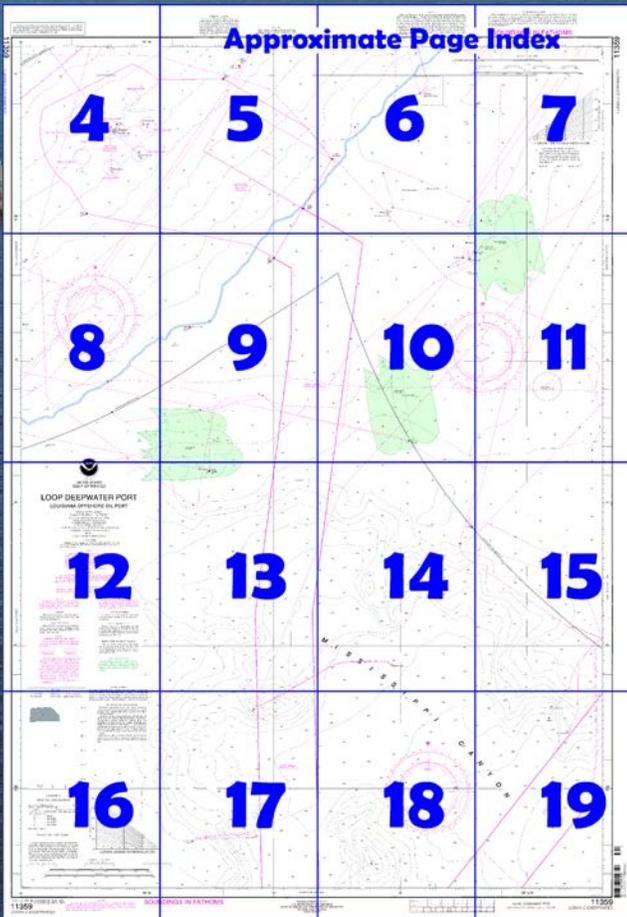


## Loop Deepwater Port – Louisiana Offshore Oil Port NOAA Chart 11359

*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.

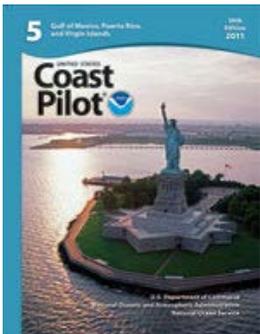
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

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=11359>



**[Selected Excerpts from Coast Pilot]**

The **Louisiana Offshore Oil Port (LOOP)** is a deepwater marine terminal in the Gulf of Mexico about 19 miles S of Caminada Pass. The terminal comprises an offshore pumping platform complex (PPC) and three single-point moorings (SPMs) about 1.3 miles E, SE, and S of the pumping platform complex. The pumping platform complex, marked by private lights and equipped with two sound signals, consists of a control platform connected by a walkway bridge to

a pumping platform. A racon is at the pumping platform. The LOOP site is within a **deepwater port safety zone**, approached through a 78-mile-long **safety fairway**. The entrance to the safety zone

from the safety fairway is marked by private lighted buoys. The PPC and each SPM is within an **area to be avoided**. An anchorage area, marked by private lighted buoys, is in the NE part of the safety zone E of the PPC and SPMs. (See **150.301 through 150.345** and **150.900 through 150.940**, chapter 2, for limits and regulations.) The LOOP Vessel Traffic Supervisor, in addition to VHF-FM channels 10 and 74, monitors channel 16; voice call LOOP RADAR.

**Caution.**—Heavy runoff from the Mississippi River may cause strong W currents, often in excess of 2 knots, in the vicinity of LOOP. These currents may sometimes be recognized by the difference in color caused by the sediment in the runoff water.

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

RCC New Orleans

Commander

8th CG District

New Orleans, LA

(504) 589-6225

# Table of Selected Chart Notes

Corrected through NM Dec. 05/09  
Corrected through LNM Nov. 24/09

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

**MINERAL DEVELOPMENT STRUCTURES**  
Obstruction lights and sound (fog) signals are required for fixed mineral development structures shown on this chart, subject to approval by the District Commander, U.S. Coast Guard (33 CFR 67).

**CAUTION**  
Strong, variable direction currents due to Mississippi River run-off may be encountered within the limits of this chart.

**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.

For Symbols and Abbreviations see Chart No. 1

**NOAA WEATHER RADIO BROADCASTS**  
The NOAA Weather Radio station listed below provides 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.

Buras, LA WXL-41 162.475 MHz

**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 0.799' northward and 0.253' westward to agree with this chart.

**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.

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

**POLLUTION REPORTS**  
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-9802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

**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 areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.  
Covered wells may be marked by lighted or unlighted buoys.

**WIRE DRAGGED AREAS**  
The areas tinted green were swept in 1979 for previously undetected dangers to navigation and for effective minimum clearances to at least the depths indicated in fathoms and feet by the green numbers.

**NOTE C**  
Anchoring in the vicinity of the LOOP marine pipelines must be avoided. Anchoring near these submerged lines may result in damage to the anchor or pipelines.

Mercator Projection  
Scale 1:50,000 at Lat. 28°41'  
North American Datum of 1983  
(World Geodetic System 1984)  
**SOUNDINGS IN FATHOMS**  
AT MEAN LOWER LOW WATER

**NOTE A**  
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. 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, 8th Coast Guard District in New Orleans, LA, or at the Office of the District Engineer, Corps of Engineers in New Orleans, LA.  
Refer to charted regulation section numbers.

**HURRICANES AND TROPICAL STORMS**  
Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations.  
Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.  
Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

**LORAN-C**  
**GENERAL EXPLANATION**  
LORAN-C FREQUENCY .....100kHz  
PULSE REPETITION INTERVAL  
7980 .....79,800 Microseconds  
STATION TYPE DESIGNATORS: (Not individual station letter designators).  
M ..... Master  
W ..... Secondary  
X ..... Secondary  
Y ..... Secondary  
Z ..... Secondary  
EXAMPLE: 7980-Y

**RATES ON THIS CHART**  
**7980-W 7980-X 7980-Y**  
Loran-C correction tables published by the National Geospatial-Intelligence Agency or others should not be used with this chart. The lines of position shown have been adjusted based on theoretically determined overlaid signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the 1/4 nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

**AUTHORITIES**  
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Department of the Interior and the U.S. Coast Guard.

**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 B**  
The PRECAUTIONARY AREA/LOOP SAFETY ZONE is a regulated area. Clearance procedures for entry and conduct of operations within this zone are found in 33 CFR 150, SUBPART D. These regulations should be reviewed prior to attempting a transit of this area.

**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.

**COLREGS, 80.01 (see note A)**  
International Regulations for Preventing Collisions at Sea, 1972.  
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

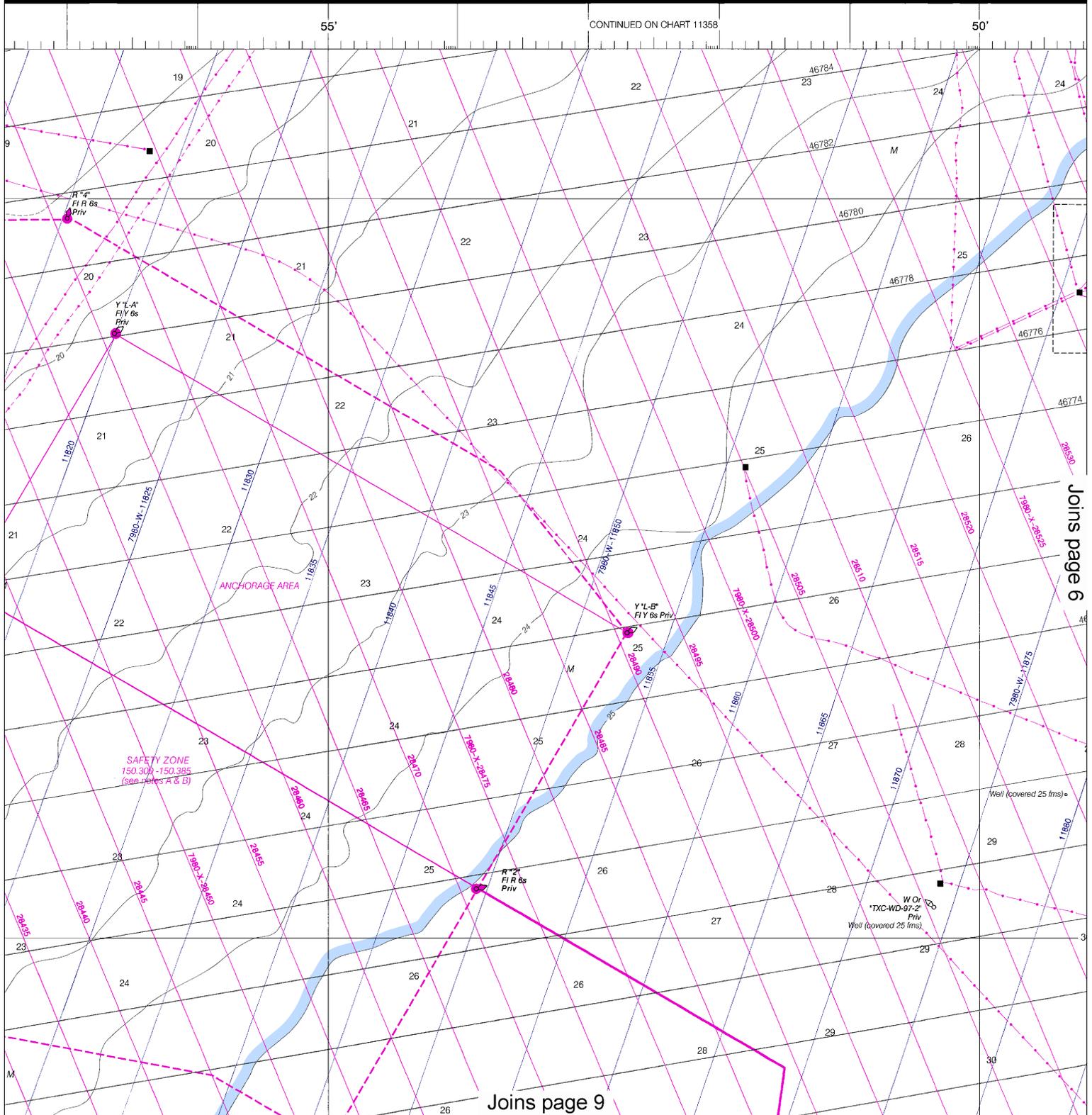


**HORIZONTAL DATUM**  
 Vertical reference datum of this chart is the Datum of 1983 (NAD 83), which is considered equivalent to the Geodetic System 1984 (WGS 84). Positions referred to the North datum of 1927 must be corrected an 99' northward and 0.253' westward from this chart.

**CAUTION**  
 Strong, variable direction currents due to Mississippi River run-off may be encountered within the limits of this chart.

1st Ed., Mar 1981 KAPP 194

Within the 12-nautical mile limit of the territorial sea, some Federal laws apply. The outer limit of the territorial sea, limit of the other laws. The 9-nautical mile limit of Florida, Texas, and Puerto Rico. In most cases the inner limit of Federal jurisdiction of the states. The 3-nautical mile Exclusive Economic Zone. Unless fixed by treaty or the Law of the Sea Convention, the limit of modification.



This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:66667. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

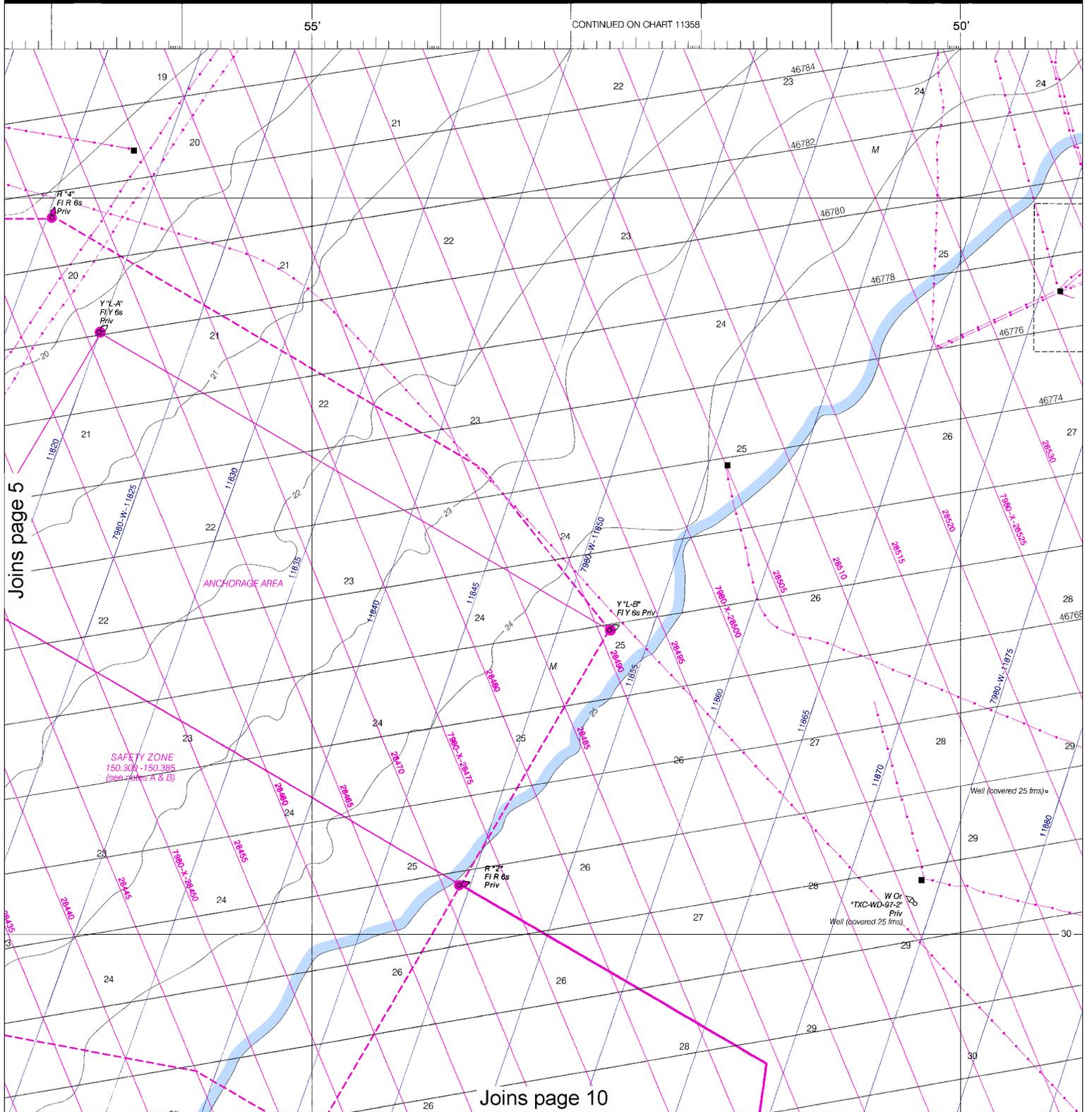


**HORIZONTAL DATUM**  
 reference datum of this chart  
 Datum of 1983 (NAD 83), which  
 uses is considered equivalent  
 WGS 84).  
 positions referred to the North  
 of 1927 must be corrected an  
 northward and 0.253' westward  
 chart.

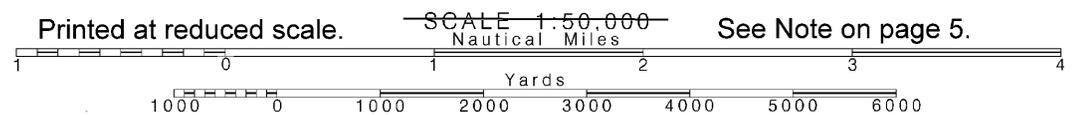
**CAUTION**  
 Strong, variable direction currents due to Mis-  
 sissippi River run-off may be encountered within  
 the limits of this chart.

1st Ed., Mar 1981 KAPP 194

Within the 12-nautical mile Territorial Sea, some Federal laws apply. The outer limit of the territorial sea, is the limit of the other laws. The 9-nautical mile limit of Florida, Texas, and Puerto Rico, most cases the inner limit of Federal jurisdiction of the states. The 24-mile Exclusive Economic Zone Unless fixed by treaty or the U.S. to modification.



Note: Chart grid lines are aligned with true north.



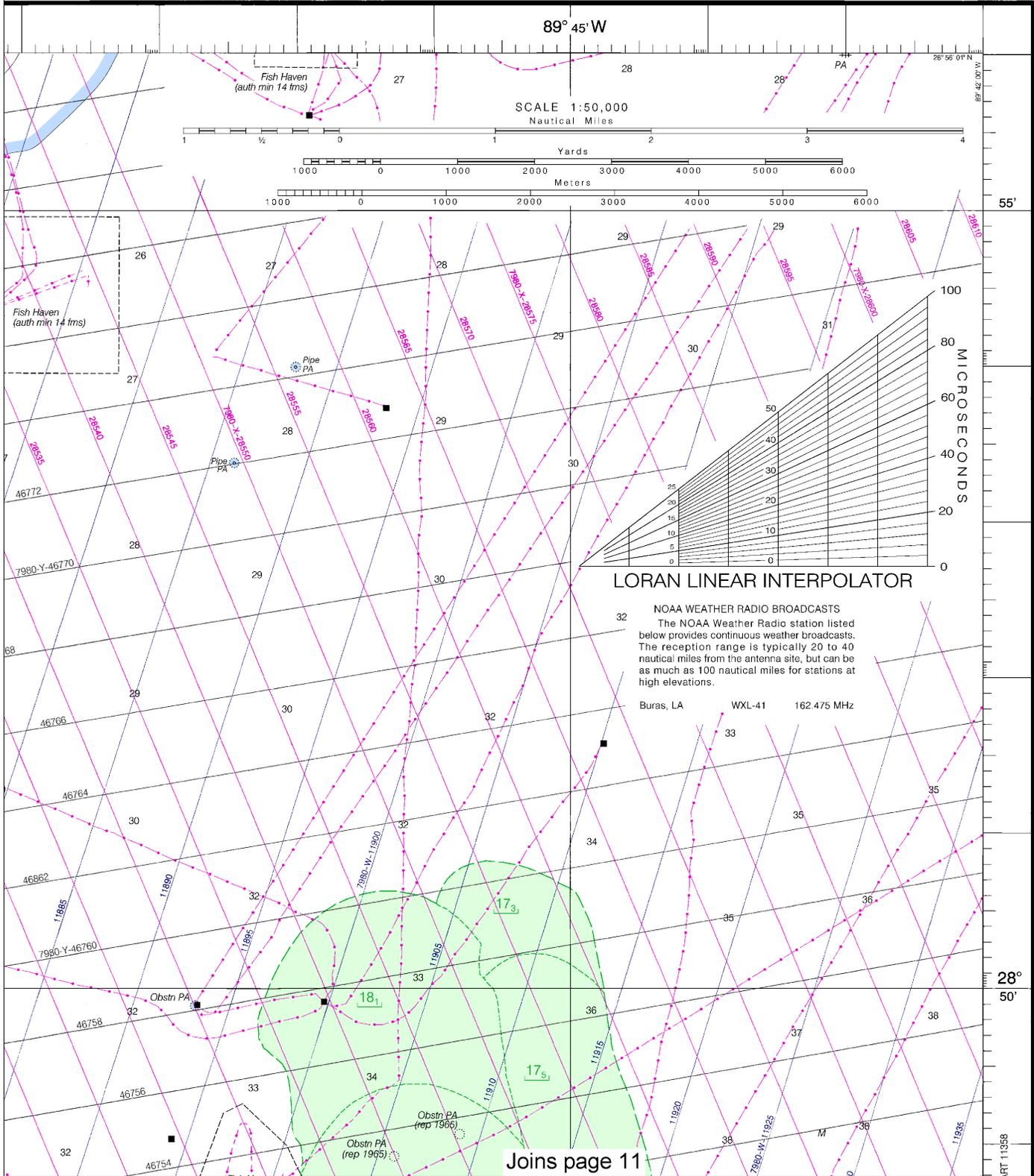
NOTE X

territorial Sea, established by Presidential Proclamation, Three Nautical Mile Line, previously identified as the retained as it continues to depict the jurisdictional boundary of the Natural Resource Boundary of the Gulf coast, and the Three Nautical Mile Line elsewhere remain in federal fisheries jurisdiction and the outer limit of the 4-nautical mile Contiguous Zone and the 200-nautical mile were established by Presidential Proclamation. S. Supreme Court, these maritime limits are subject

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.

# SOUNDINGS IN FATHOMS

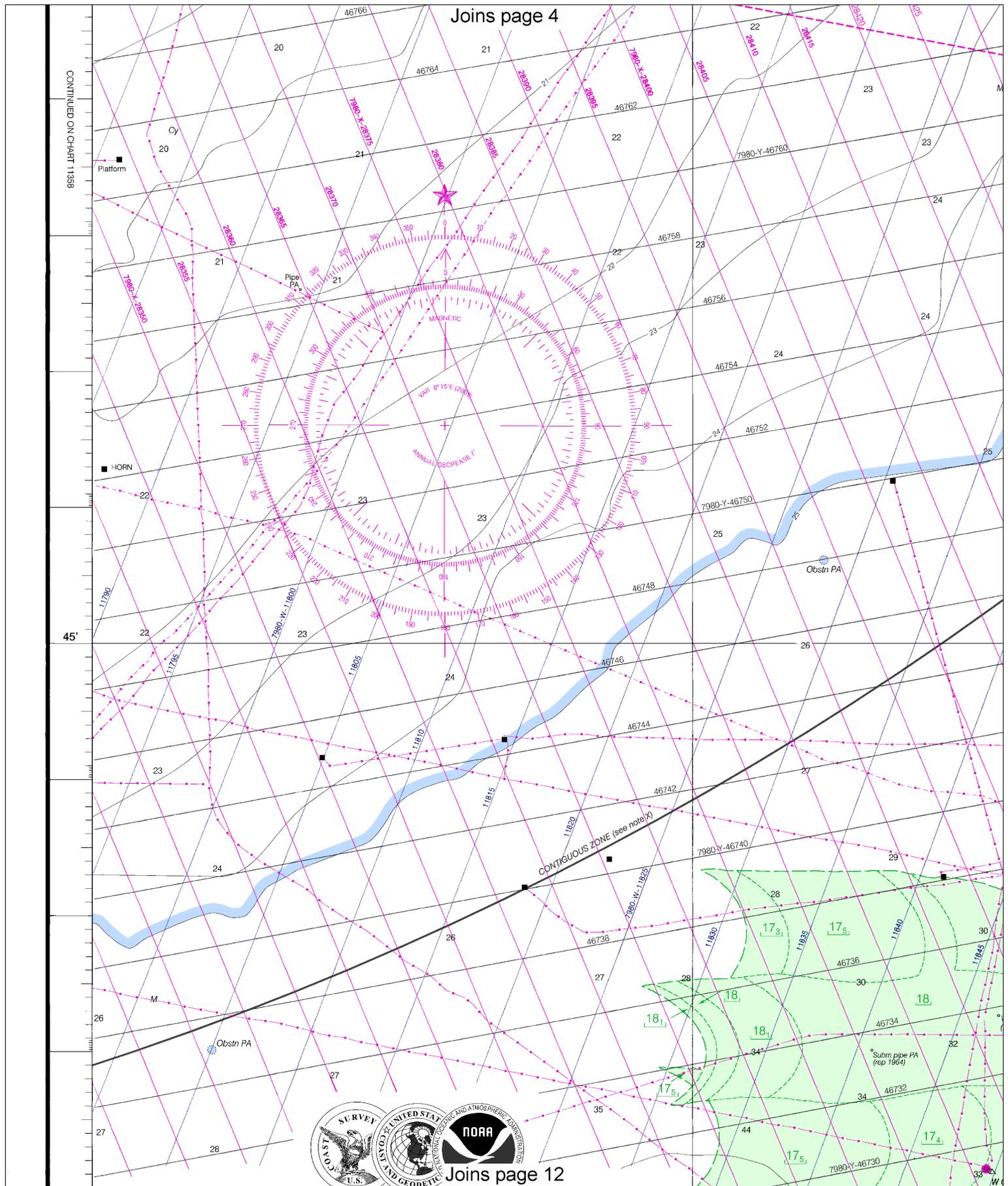


11359

LORAN-C OVERPRINTED

This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4712 11/20/2012, NGA Weekly Notice to Mariners: 4812 12/1/2012, Canadian Coast Guard Notice to Mariners: n/a.





Joins page 4

CONTINUED ON CHART 1358

Joins page 12



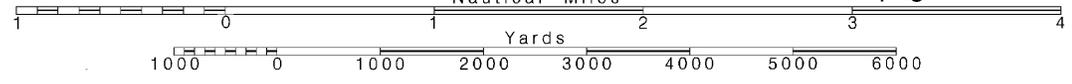
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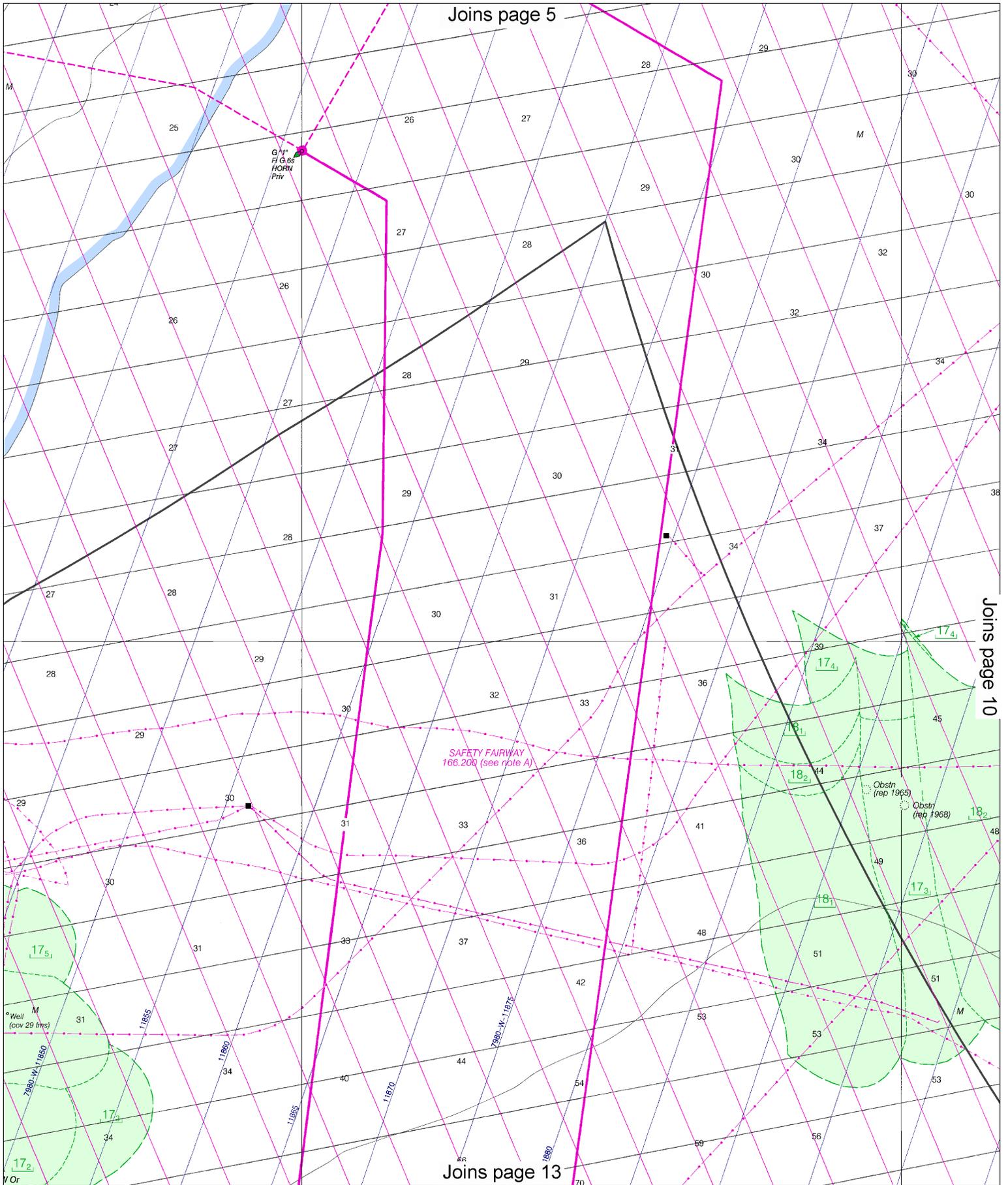
Note: Chart grid lines are aligned with true north.

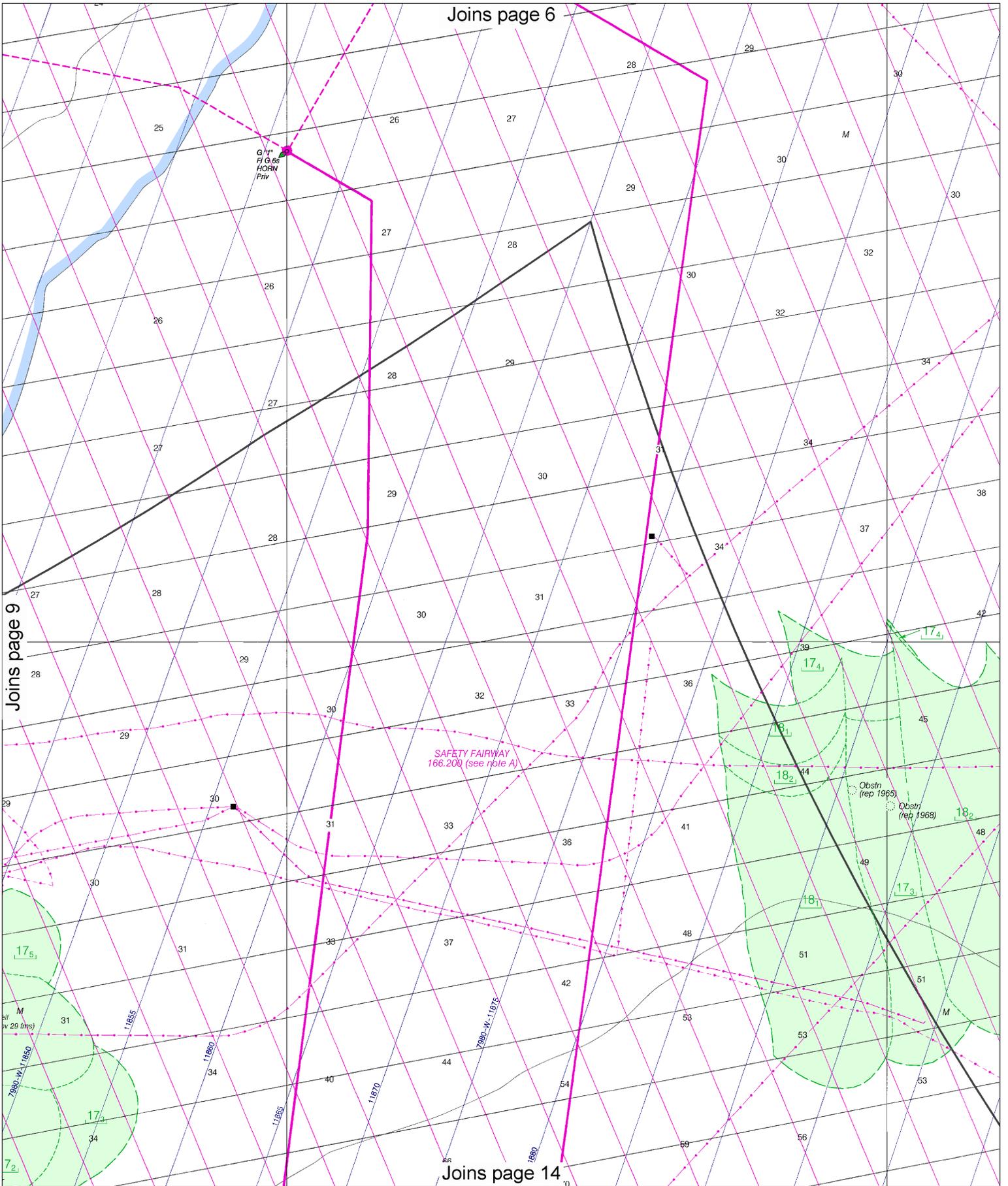
Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.







Joins page 9

Joins page 14

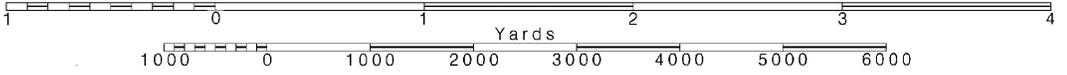
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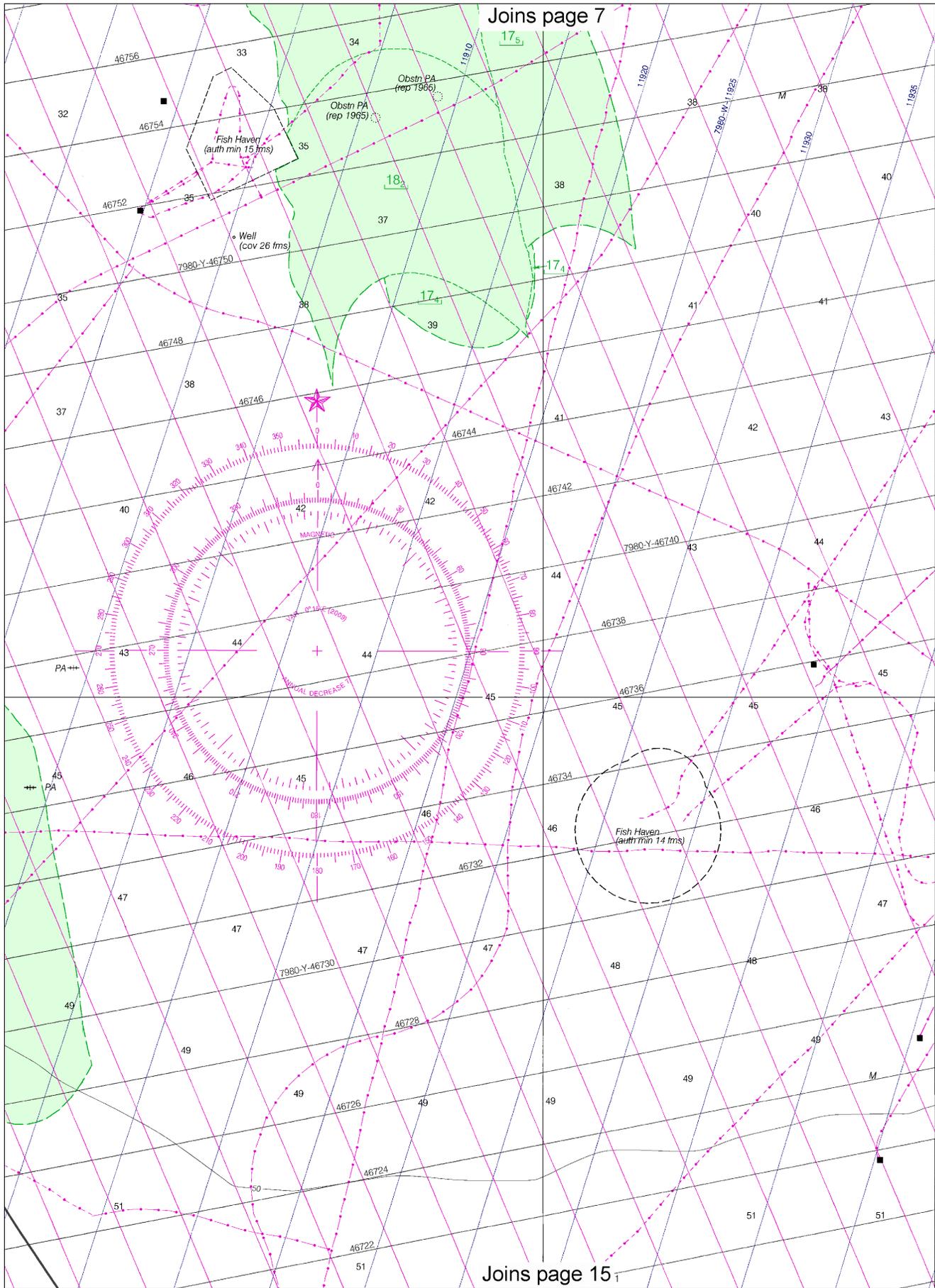
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000

See Note on page 5.





CONTINUED ON CHART 11358

45'



THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES GULF OF MEXICO

LOOP DEEPWATER PORT LOUISIANA OFFSHORE OIL PORT

Mercator Projection Scale 1:50,000 at Lat. 28°41' 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.

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, with additional data from the Department of the Interior and the U.S. Coast Guard.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. 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, 8th Coast Guard District in New Orleans, LA, or at the Office of the District Engineer, Corps of Engineers in New Orleans, LA.

Refer to charted regulation section numbers.

NOTE B

The PRECAUTIONARY AREA/LOOP SAFETY ZONE is a regulated area. Clearance procedures for entry and conduct of operations within this zone are found in 33 CFR 150, SUBPART D. These regulations should be reviewed prior to attempting a transit of this area.

COLREGS, 80.01 (see note A)

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

NOTE C

Anchoring in the vicinity of the LOOP marine pipelines must be avoided. Anchoring near these submerged lines may result in damage to the anchor or pipelines.

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.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



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 areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

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.

AIDS TO NAVIGATION

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

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).

MINERAL DEVELOPMENT STRUCTURES

Obstruction lights and sound (fog) signals are required for fixed mineral development structures shown on this chart, subject to approval by the District Commander, U.S. Coast Guard (33 CFR 67).

WIRE DRAGGED AREAS

The areas tinted green were swept in 1979 for previously undetected dangers to navigation and for effective minimum clearances to at least the depths indicated in fathoms and feet by the green numbers.

SOURCE DIAGRAM

Table with 3 columns: SOURCE, NOS Surveys, full bottom coverage; NOS Surveys, partial bottom coverage.

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been periodically resurveyed and are

Joins page 16

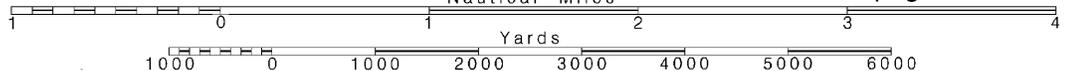
CONTINUED ON CHART 11340

Note: Chart grid lines are aligned with true north.

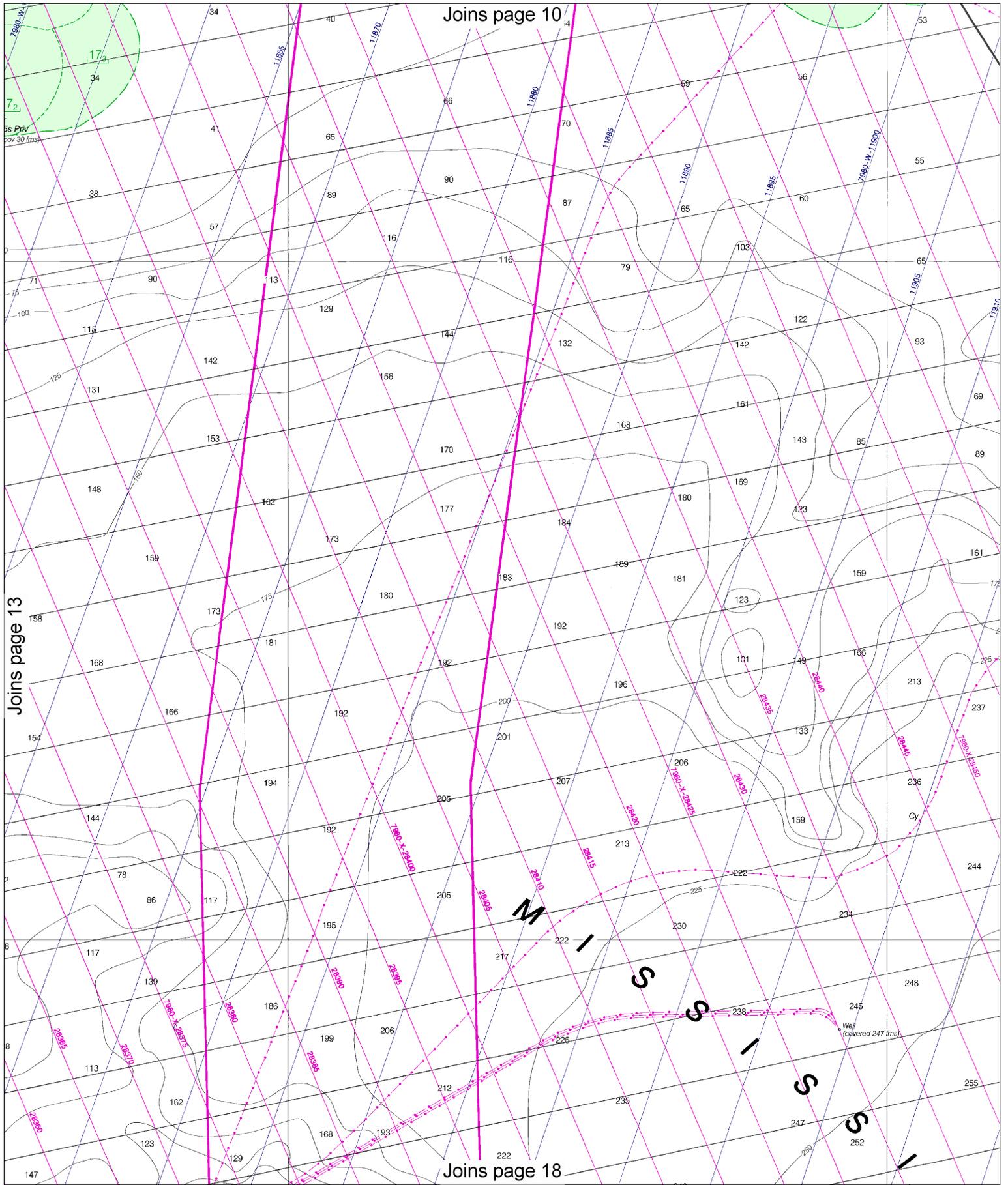
Printed at reduced scale.

SCALE 1:50,000 Nautical Miles

See Note on page 5.







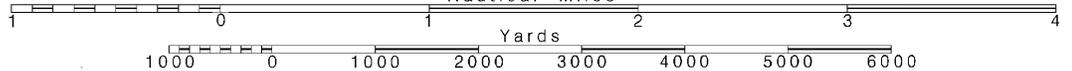
14

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.





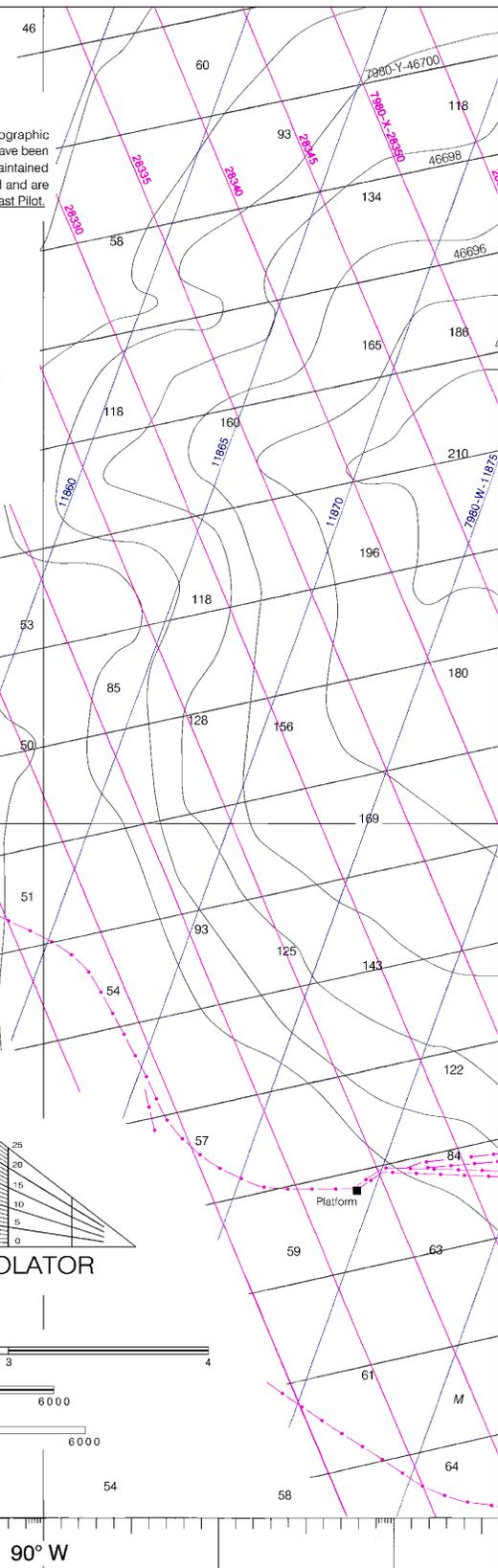
Obstructions which protrude above the surface of the water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling. Covered wells may be marked by lighted or unlighted buoys.

# Joins page 12

SOURCE		
A 1990-2002	NOS Surveys	full bottom coverage
B2 1970-1989	NOS Surveys	partial bottom coverage

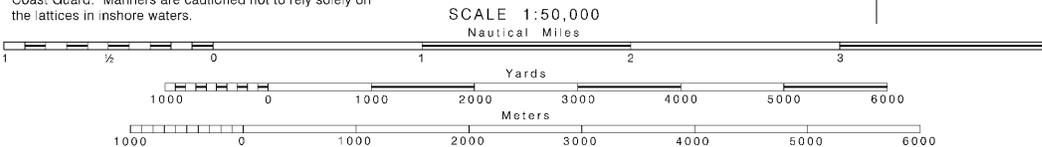
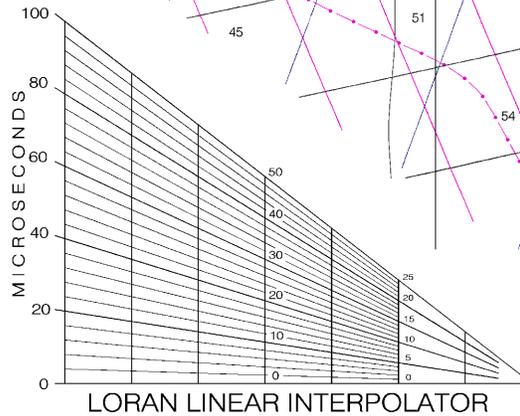
**SOURCE DIAGRAM**  
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, *United States Coast Pilot*.

**HURRICANES AND TROPICAL STORMS**  
Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations. Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved. Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.



**LORAN-C GENERAL EXPLANATION**  
LORAN-C FREQUENCY.....100kHz  
PULSE REPETITION INTERVAL  
7980.....79,800 Microseconds  
STATION TYPE DESIGNATORS: (Not individual station letter designators).  
M.....Master  
W.....Secondary  
X.....Secondary  
Y.....Secondary  
Z.....Secondary  
EXAMPLE: 7980-Y

**RATES ON THIS CHART**  
7980-W 7980-X 7980-Y  
Loran-C correction tables published by the National Geospatial-Intelligence Agency or others should not be used with this chart. The lines of position shown have been adjusted based on theoretically determined overland signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the 1/4 nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.



14th Ed., Dec./09 ■ Corrected through NM Dec. 05/09  
Corrected through LNM Nov. 24/09

**11359**  
LORAN-C OVERPRINTED

**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).

**SOUNDINGS IN FATHOMS**

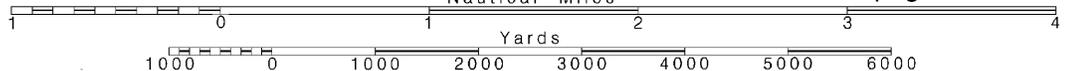
**16**

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

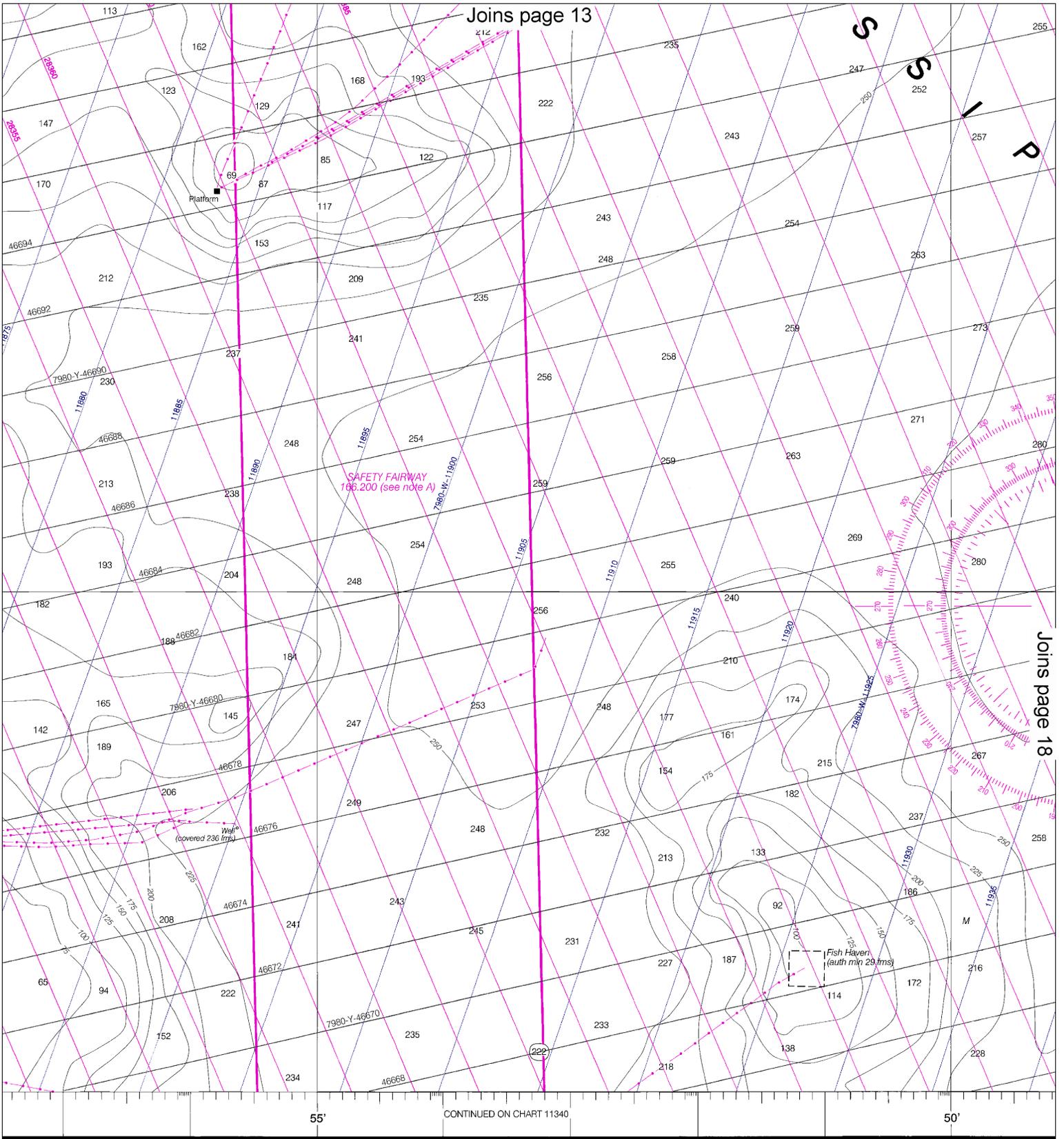
SCALE 1:50,000  
Nautical Miles

See Note on page 5.



S  
S  
I  
P

Joins page 18



55'

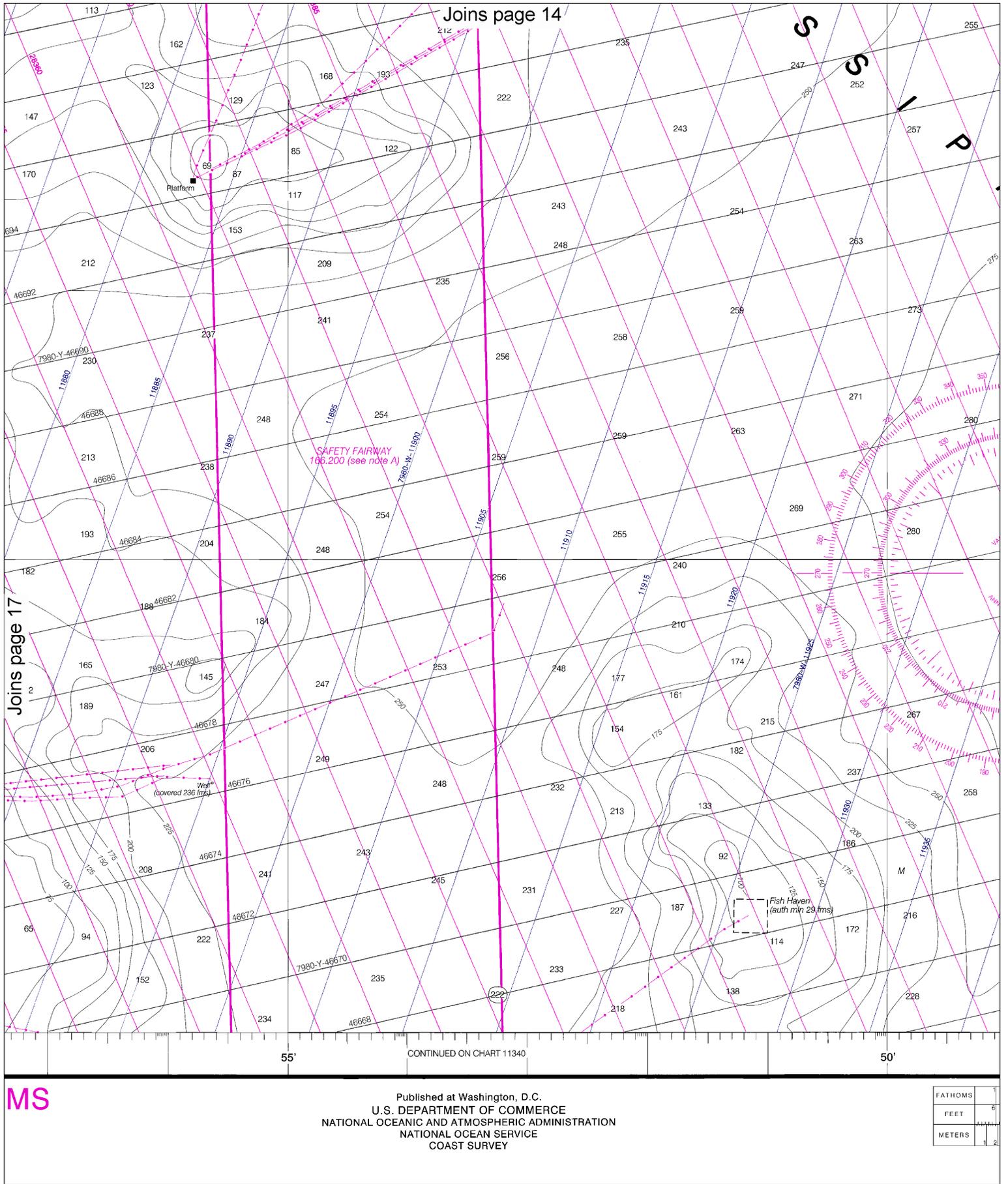
CONTINUED ON CHART 11340

50'

DMS

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

FATHOMS
FEET
METERS



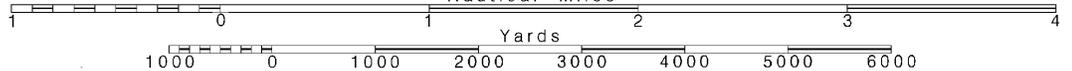
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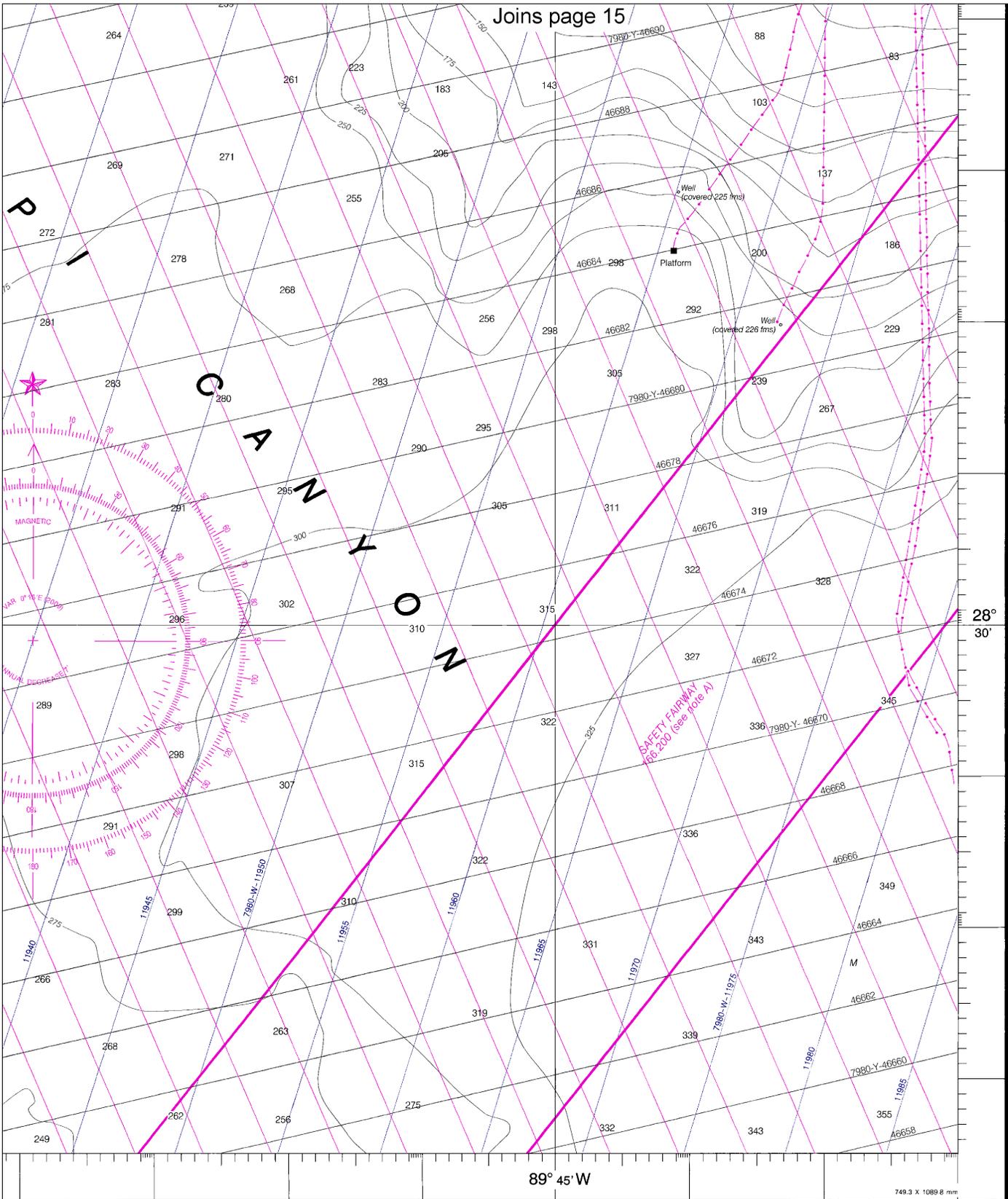
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000  
Nautical Miles

See Note on page 5.

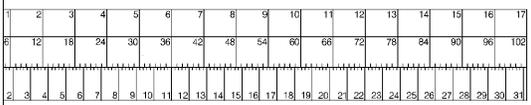




28° 30'

89° 45' W

749.3 X 1089.8 mm



Loop Deepwater Port  
 SOUNDINGS IN FATHOMS - SCALE 1:50,000

**11359**  
 LORAN-C OVERPRINTED





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>
- Online chart viewer — <http://www.nauticalcharts.noaa.gov/mcd/NOAChartViewer.html>
- 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>



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