<table>
<thead>
<tr>
<th>Topographic</th>
<th>Sheet No.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>G</td>
</tr>
</tbody>
</table>

**Locality**
- Gulf Coast of Louisiana
- Tiger Shoal & Marsh Island
- Vermilion Bay
- Vicinity of Southwest Pass

**1934**

**Chief of Party**
W. E. Parker
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. G

REGISTER NO. 4924

State LOUISIANA.

General locality GULF COAST Verrilian Bay

Locality VICINITY OF SOUTHWEST PASS

Scale 1:20,000 Date of survey May, 1934

Vessel "HYDROGRAPHER"

Chief of party W. E. PARKER

Surveyed by GEORGE R. SHELTON

Inked by D. H. BASSETT AND GEORGE R. SHELTON

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated DECEMBER 17th, 1932

Remarks:

...
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET G
TIGER SHOAL AND MARSH ISLAND

AUTHORITY
The Survey was made under the Director's Instructions dated December 17th, 1932.

LOCALITY AND LIMITS
The topography on this sheet extends from Triangulation Station TIGRE on the Western Limit to 1-1/2 miles east of Triangulation Station LaCROIX on Marsh Island. It joins Topographic Sheet F on the West and Topographic Sheet H on the East. No attempt was made to make a survey of Southwest Pass nor that part of Vermillion Bay which comes within the limits of this sheet as it was intended to make a survey of this area on another sheet.

CONTROL AND SURVEY METHODS
The control was by Second Order Triangulation executed in 1933.

The usual Coast Survey Methods were used in this survey, traverse and resections. The traverses along the beach were measured with a one hundred meter stranded wire. There was no traverse errors to adjust. The shoreline and intermediate signals were located by rod readings from plane table setups along the traverse lines.

LANDMARKS
The area surveyed has only two landmarks of any importance. A large clump of trees and a small clump of trees west of Southwest
Pass. Their positions are listed on landmarks for charts.

DESCRIPTION OF SHORE LINE

Beginning with the Western Limit of this Sheet and extending within a half-mile of the Entrance to Southwest Pass, the shore line is fine shell and sand. The high ground formed by sand and shell is from 15 m. to 30 m. in width back of which is Marsh land. A fringe of small trees extends from beyond the Western Limit of the Sheet for a distance of about 2-1/2 miles. Beginning at Lighthouse Point and extending to the Eastern Limit of the Sheet the beach is composed of a narrow strip of sand and shell except for about one-half mile on each side of Triangulation Station LaCROIX. The marsh at this point comes down to the water. There is a fringe of small trees along this shore line also for the most part.

COMPARISON WITH PREVIOUS SURVEYS

The shore line located by this Survey was transferred to a Section Topographic Sheet 1686 and Topographic Sheet 1684 for comparison. At Station LaTIGRE the erosion was found to be about 30 m. and gradually increased to 200 m. at the eastern limit of Sheet 1686. The amount of erosion continued at about 200 m. to the West Shore of Southwest Pass. Beginning at Lighthouse Point and extending for about two miles the amount of erosion was about 200 m. From this point the amount decreased to about 50 m. at the Eastern Limit of the Sheet.

STATISTICS

Statute miles of shoreline - 16.8
Area in square statute miles - 8.0
NEW NAMES

The name DIAMOND REEF for an oyster reef off Triangulation Station LacROIX is in general use in this locality.

Respectfully submitted

George R. Shelton,
Jr. H. & G. Engineer,
Coast and Geodetic Survey,
Topographer.

APPROVED:

R. F. Luce, Commander,
Coast and Geodetic Survey,
Chief of Party.
**LANDMARKS FOR CHARTS**

**Port Arthur - Texas**

*April 13, 1935*

**Director, U.S. Coast and Geodetic Survey:**

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

**R.F. Lero**

Chief of Party.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Latitude</td>
<td>Longitude</td>
<td>Datum</td>
</tr>
<tr>
<td></td>
<td>D. M. Meters</td>
<td>D. P. Meters</td>
<td></td>
</tr>
<tr>
<td>Large clump of trees</td>
<td>29 35</td>
<td>1246 92 04</td>
<td>H.A. Topo. 1277</td>
</tr>
<tr>
<td>Small clump of trees</td>
<td>29 35</td>
<td>244 92 03</td>
<td>H.A. Topo. 1277</td>
</tr>
</tbody>
</table>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
GEOGRAPHIC NAMES

Date: Sept. 17, 1935

Survey No. 4924
Chart No. 1277
Diagram No. 1277

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Southwest Pass</td>
<td>same</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lighthouse Pt.</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marsh Island</td>
<td>&quot;</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Chenier à La Croix</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diamond Reef</td>
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</tbody>
</table>

Names approved 9/17/35
- F.B. Kelly
REVIEW OF TOPOGRAPHIC SURVEY No. 4924

Title (Par. 56) Vicinity of SOUTHWEST PASS, LA.


Ship Hydrographer Instructions dated Dec. 17, 1931 Surveyed in 1934

1. The survey and preparation for it conform to the requirements of the
   Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for con-
   tour-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contour-formlines is satisfactory. (Par. 49,
   50.)

6. There is sufficient control on maps from other sources that were
   transmitted by the field parties to enable their application to the
   charts. (Par. 28.) None submitted

7. High water line on marshy and mangrove coast is clear and adequate
   for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks,
   and legends pertaining to them is satisfactory. (Par. 36, 37, 38,
   39, 40, 41.) No low water line is shown, although this feature is shown on contempo-
   rary surveys to the southeast and northwest. The present survey also shows how water
   line in several sections of the coast

9. Reefs and other important details shown on previous surveys and on
   the chart were verified. (Par. 25, 26, 27.)

10. The span, draw and clearance of bridges are shown. (Par. 16c.) None

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify
those requiring it. Paragraph numbers refer to those in the Topographic
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control. Not discussed in descriptive report.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) No cards submitted.

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.)

18. The geographic datum of the sheet is N.A. (1927) adjusted and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate.

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 54, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 29, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review. There is no record that the chief of party inspected the sheet.

24. Remarks:

Air photo surveys have been made of the principal survey west of Southwest Pass and are based on good control. Air photo surveys have been made east of Southwest Pass by the Corps of Engineers. No control work was not done. All other surveys

Reviewed in office by

E. C. Estes, March 10, 1936

Examined and approved:

C. T. Green
Chief, Section of Field Records

Fred. L. Peacock
Chief, Section of Field Work

E. L. Bollard
Chief, Division of Charts

Chief, Division of Hyd. and Top.