DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. E. Patton, Director

State: Louisiana

DESCRIPTIVE REPORT

Photographic
Topographic
Hydrographic

Sheet No. T-5324

LOCALITY

Breton Sound

Point Chico to Mozambique

Point

1934

CHIEF OF PARTY

Mr. H. Rease, Jr., H. A. G., Engr.
applied to drawing upon chart 11.5 July 24, 1940, T.D.H.
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. 37

REGISTER NO. 7-5324

State... Louisiana

General locality... Breton Sound

Locality... Point Chico to Mozambique Point

1:20,000 Scale... Photographs: 11/29/32

Date of survey... 11/29/32, 1932

Wisconsin Air Photo Compilation Party No. 24, New Orleans, La.

Chief of party... M. H. Reese

Surveyed by... See data sheet in the descriptive report.

Inked by... John Gidiere

Heights in feet above... to ground to tops of trees

Contour, Approximate contour, Form line interval... feet

Instructions dated... November 7, 1932.

Remarks: Compiled on a scale of 1:24,000 and enlarged and printed on scale of 1:20,000 by Photo- Lithography.
- NOTES ON COMPILATION-

SHEET NO. T-5324
FIELD NO. 37

PHOTOS, NO.   DATE OF PHOTOGRAPHS   TIME
851-861      11/29/32          9:42 to 9:46 A. M.
1022-1025    11/29/32          10:09 to 10:11 A. M.

BY

PROJECTION BY            DATE
E. P. Hernandez          4/23/34
F. A. Donadieu

PROJECTION CHECKED BY    DATE
F. A. Donadieu           4/23/34

CONTROL PLOTTED BY       DATE
E. P. Hernandez           4/24/34

CONTROL CHECKED BY       DATE
J. A. Peterson           4/24/34

RADIAL LINE PLOT BY      DATE
H. C. Smith              4/26-27/34

RADIAL LINE PLOT CHECKED BY   DATE
E. L. Petch              5/2/34

DRAFTING OF PHOTOGRAPHS BY   DATE
John Gidiere             5/2-15/34

PASTING OF NAMES BY       DATE
John Gidiere              5/17/34

REVIEW OF COMPILATION     DATE
John Gidiere              5/18/34

AREA OF DETAIL INKED-- 14.8 sq. Statute Miles (Approximately)

LENGTH OF SHORELINE-- (more than 100 meters from nearest opposite Shore)-- 98.6 Statute Miles (Approximately)
COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 37

GENERAL INFORMATION:

Instructions dated November 7, 1933.
The information used in the compilation of this sheet has been obtained from the notes and sketches on the field photographs, and from members of the field inspection party in questionable areas.
The accompanying Notes on Compilation gives all data and statistics in connection with the compilation of this sheet.
The high water line, as shown along the Gulf Coast, was taken from photographs on which the field inspection party had sketched in the high water line of this section as well as other questionable areas. The coast line was vividly established by the dark lines indicating brush and marsh and by the white lines denoting the existence of shell piles and reefs. These reefs and shoals occur irregularly throughout this area, their origin probably being due to constant changes caused by erosion. The area mapped within the limits of this sheet is entirely devoid of any cultivation. The daily tide variation is small, usually from one to two feet.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-5A camera, No. 32-5, photograph numbers 861-861 (West Flight) approximately parallel with Longitude 89°26'40", and 1022-1025 (East Flight) approximately parallel with Longitude 89°19'20".

CONTROL:

(A) Sources:
The following sources of control were used in the compilation of this sheet.
(a) Triangulation by Lieutenant E. R. Mc Carthy in 1934.
Geographic positions established by Lieutenant E. R. Mc Carthy in 1934, at the time of this compilation, were used. These positions are on the North American 1927 Datum and are tied in with 1st order Triangulation along the Mississippi River, recently executed by Lieutenant C. L. Aslakson. The difference between the unadjusted and the final adjusted positions would be unnoticeable at the scale of this compilation—1:24,000.

(B) Errors:
The control is adequate for this sheet and the radial plot gave good intersections.

(C) Discrepancies:
No discrepancies in position of control stations were found. No control stations established by other organizations were used in this compilation.
COMPILATION:

(A) Method:

The usual five lens radial line method of plotting was used throughout in the compilation of this sheet.

(B) Adjustment of Plot:

The photographs in the two strips covering the area shown by this sheet appear to be free of excessive tilt and scale fluctuations and the radial plot required no unusual adjustments.

(C) Interpretation:

To denote brush three or four feet high, which occurs frequently in coast islands and especially near the water's edge, the symbol ( ) was used. This formation of brush is usually a type of evergreen growth, its roots in salt water, and is called locally "Mangle". The land is subject to overflow quite regularly and its formation is typical of usual salt water marsh.

To denote shells, reefs or banks, the symbol ( ) was used.

There are no roads or canals in this area. The larger bayous are shown by double full lines, while the lesser bayous and tidal sloughs are shown by one solid line, depending in weight upon the importance of the feature. In most cases, unless labelled on the field inspection prints, the classification of these features had to be determined by a close examination of the photographs.

All boundaries of shoal water areas are shown by the same symbol as noted above for shells, which formation causes the shallow condition and there may consequently be some slight departure from actual conditions.

(D) Information from other sources:

There was no information derived from sources other than the photographs and sketches and the notes placed on the photographs by the field inspection party. The photographs were clear and it is believed that the compilation is correct in all particulars.

(E) Conflicting Names:

The names shown on this chart were taken from U. S. Coast and Geodetic Survey Chart No. 1270 entirely. When compared to U. S. Geological Survey "La Fortuna Sheet" and Triangulation Progress Sketch of Lieutenant E. R. Mc Carthy, March 1934, it was found that some few names conflicted as follows:
U. S. Coast & Geodetic
Chart No. 1270

U. S. Geological
Survey Sheet "LaFortuna"

Lieutenant Mc
Carthy's Triangulation Progress Sketch.

Grace Pt.
Bayou Frenepiqueau
Lake Fortuna, Lake Machias
Point Fortuna
Point Isambone
Breton Sound

Grass Point
Bayou Frene Pican
Lake Fortuna
Point La Fortuna
Isle Au Breton Sound

Grace Point
L. Fortuna, L. Machias
Point L. Fortuna
Breton Sound

COMPARISON WITH OTHER SURVEYS:

The junction with the adjoining sheet to the North, T-5325, and
West, T-5316, are satisfactory.

In comparing this sheet with U. S. Coast and Geodetic Survey Chart
No. 1270 it is found that the general outline of the islands and positions
of same are similar. Several small islands do not appear on this sheet
as shown on Chart No. 1270. The entire general area of land also is
smaller than shown on Chart No. 1270. The wearing away caused by storms
and currents is the most probable reason for this condition.

LANDMARKS:

There are no prominent landmarks in this area which are suitable
for navigation that were recommended by the field inspection party.

RECOMMENDATIONS FOR FURTHER SURVEYS:

The compilation of this sheet is believed to have a probable error
of five meters in well defined detail of importance for charting and
of ten meters for other data. * There was no need to exaggerate any detail
of importance in order to keep it distinct in the photo-lithographic
process.

To the best of my knowledge this sheet is complete in all details
of importance for charting purposes, within the accuracy stated above,
and no additional surveys are required.

Submitted by: John Gidiere.
Draftsman.

Approved by: W. H. Reese.
Chief of Party.

* Note: The values of 5 to 10 meters given above
is high for work on this scale, a better estimate
in an accuracy of location of 5 to 10 meters
for intersecting points and 5 to 20 meters for other
details. These values may be exceeded in some areas
such as on Point chiefs and grass Point top the
detail is accepted as sufficiently accurate for charting
and adequate to unformed the last survey T 1099 (1879)
Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese

Compiled by John Gidiere

Project Louisiana Air Photo Compilation Instructions dated Nov. 7, 1933. Party No. 24

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 8, a, b, c, d, e, g and i.) (Note) Par. 8 not applicable to this party.

2. The character and scope of the compilation satisfy the instructions and the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".

3. The control and adjustment of the radial plot were adequate. (Par. 12, 29.)

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

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

6. 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.) See Par. C, Page 3 of Des. Report.

7. Important details shown on previous surveys and on the chart have been compared with this sheet and a statement has been entered in the report regarding the removal from the chart or change in position of important detail such as rocks, lights, beacons, prominent objects, bridges, docks, and structures along the water front. No changes in such details have been noted on this sheet. See below.

8. The span, draw and clearance of bridges are shown. (Par. 16c.)

9. The data furnished by the Field Inspection is adequate.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Comparison with T-499 (1870) reveals numerous changes. The design outside islands have been changed considerably and a number of small islands have dissipated. The compilation is adequate to render T-499 for the area covered. B.G. Jones
10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 54, 55 and 56.)

11. The descriptive report also contains all additional information required in photo topography as prescribed in the instructions and in the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".

12. The descriptions of recoverable stations and references to shore line were accomplished on Form 524, and scaling of positions checked. (Par. 29, 30 and 57.)

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

14. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 34.)

15. Junctures with contemporary surveys are adequate.

16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.)

17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.)

18. No additional surveying is recommended.

19. Remarks:

20. Examined and approved: [Signature]

Chief of Party

21. Remarks after review in office:

Reviewed in office by: [Signature]

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography and Topography.
**GEOGRAPHIC NAMES**

*Names underlined in red approved Jan 7, 1935*

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**Authorities**

- U.S. Geol. Survey
- U.S. Engrs. Map of So., La., 1934
- Hardee's Map of La., 1871 = La., 1871
- Lockett's Map of La., 1872 = La., 1872
- Chart 1276, Late Report 75324

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<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart or other Maps</th>
<th>New Names in local use</th>
<th>Names reported by Field Party</th>
<th>Location</th>
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<tr>
<td>✔️</td>
<td>Coon Nest R5</td>
<td>Coon Nest I (USGS, 1869)</td>
<td>Faver the two-word names. The single word obscure the meaning.</td>
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<td>Lake Fortuna</td>
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<td>Point Fortuna</td>
<td>1270, Pt. La Fortuna, USGS, La, 1872</td>
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<td>Black Bay</td>
<td>1270, USGS, US Engrs, La, 1871</td>
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<td>Mozambique Pt.</td>
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<tr>
<td>✔️</td>
<td>Bayou Frenepiquant</td>
<td>(Good French) Frene Point (USGS)</td>
<td></td>
<td>Bayou Frenepiquant</td>
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<td>✔️</td>
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<td>1270, US Engrs, Grass, USGS, La, 1872</td>
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<td>Lake Athanasio</td>
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<td>1270, USGS</td>
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<td>Deadman Point</td>
<td>1270, USGS</td>
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<td>Canal Fortuna</td>
<td>USGS and US Engrs</td>
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<td>✔️</td>
<td>Point Chicot</td>
<td>1270, USGS</td>
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<td>✔️</td>
<td>Lake Machias</td>
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<td>Pass Fernandea</td>
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<td>✔️</td>
<td>Breton Sound</td>
<td>1270, US GB, Occupies all the water space</td>
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<tr>
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<td>Point Eloi</td>
<td>1270</td>
<td></td>
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</table>

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**Other Notes**

- Canal Pecan (USGS, 1935) = 11/18/38
- Remover Eloi Bay
- This bay is north of Gate Island. See Chart 1270.
- South of general
- Point Eloi
- Chandelier Sound. This name should be removed. The weight of authority gives the dividing line between Breton Sound and Chandelier Sound as Point Chicot.
- Raccoon Point 1270.
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>Name of A</th>
<th>B</th>
<th>Name of B</th>
<th>C</th>
<th>Name of C</th>
<th>D</th>
<th>Name of D</th>
<th>E</th>
<th>Name of E</th>
<th>F</th>
<th>Name of F</th>
<th>G</th>
<th>Name of G</th>
<th>H</th>
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<td></td>
<td>New</td>
<td></td>
<td>Grass</td>
<td></td>
<td>Island</td>
<td></td>
<td>The USGS note that Grass <strong>the</strong> correct name. This is French for &quot;island.&quot;</td>
<td></td>
<td></td>
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<td>This should be Chico Pass. Double-check name. It is especially problematic. Not new Chico Pt. 0 USGS agree.</td>
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<td>Bayou</td>
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<td>See reference on page 1. Should be referred to USGS</td>
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<td>St.</td>
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