

5326

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton *Director*

State: Louisiana

DESCRIPTIVE REPORT
 Photo
 Topographic } Sheet No. T-5326 5326
 Hydrographic }

LOCALITY

Chandeleur Sound

N. W. Jack Williams Bay

to Door Pt.

1934

CHIEF OF PARTY

M. H. Reese, Jr. H. & G. Engr.

5326

Applied to Olt 1268 August 1939 - H.S.D.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5326

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. 39

REGISTER NO. T-5326 5326

State Louisiana

General locality Chandeleur Sound

Locality N. W. Jack Williams Bay to Door Pt.

Scale 1:20,000 Photographs: 11/28/32
~~1:24,000~~ Date of ~~survey~~ 19

~~Base on~~ Air Photo Compilation Party, No. 24, New Orleans, La.

Chief of party M. H. Reese.

Surveyed by See data sheet of descriptive report.

Inked by J. C. Dobler

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

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

Instructions dated November 7, 1933

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-5326

FIELD NO. 39

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
1226-1235	11/28/32	11:26 to 11:32 A. M.

	BY	DATE
PROJECTION BY	<u>A. A. Voss</u>	<u>5/16/34</u>
PROJECTION CHECKED BY	<u>E. P. Hernandez</u>	<u>5/16/34</u>
CONTROL PLOTTED BY	<u>R. E. Wagner</u>	<u>5/17/34</u>
CONTROL CHECKED BY	<u>H. C. Caulfield</u>	<u>5/17/34</u>
RADIAL LINE PLOT BY	<u>H. C. Caulfield</u>	<u>5/19/34</u>
RADIAL LINE PLOT CHECKED BY	<u>J. C. Dobler</u>	<u>5/21/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>J. C. Dobler</u>	<u>5/22 to 6/4/34</u>
PASTING OF NAMES BY	<u>J. C. Dobler</u>	<u>6/5/34</u>
REVIEW OF COMPILATION BY	<u>J. C. Dobler</u>	<u>6/4/34</u>

AREA OF DETAIL INKED-- 10 sq. Statute Miles.

LENGTH OF SHORELINE-- (more than 100 meters from nearest opposite shore)
81 Statute Miles.

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 39

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet was obtained from station sketches and from personal observation by myself and other members of the field inspection party.

The accompanying Notes on Compilation gives all data and statistics pertaining to the compilation of this sheet.

The area covered by this sheet consists entirely of salt marsh, except for shell deposits along the shore in some places. There are also a number of shell bars or reefs on the sheet. These were identified as white markings on the photographs.

This sheet was compiled from a single flight of photographs taken with the U. S. Army Air Corps' five lens T-3A Camera, No 32-3. The line of flight lies in an approximate north and south direction, between meridians 89°11' west and 89°12' west. The tide is small, usually from one to two feet.

CONTROL:

(A) Sources:

The control used consisted of geographic positions as determined by the second order triangulation of Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge-1933-1934.

These positions are on the North American 1927 Datum, and are tied in with first order triangulation along the Mississippi River, executed by Lieut. G. I. Aslakson-1934. *unadjusted*

(B) Errors:

Due to erosion of the shore at Door Point, since the pictures were taken, the measurements made by the field party tying in Station Door Point did not hold. The distance between the shore and the station had decreased due to this erosion and therefore when plotted on the photographs, which did not show the erosion, (being taken in 1932) the station appeared about twenty meters east of the actual geographical position as plotted. ~~The station is shown on the sheet only by its geographic position.~~

All other control was adequate and the radial line plot gave good intersections.

(C) Discrepancies:

No control stations established by other organizations exist in the area covered by this sheet.

COMPILATION:

(A) Method:

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

(B) Adjustment of Plot:

The photographs used in compiling this sheet were free of excessive tilt and no unusual adjustments were necessary.

(C) Interpretation:

There were no difficulties in interpreting the detail from the photographs and from field inspection notes on the field photographs.

Shell deposits along the shore line are represented by small dots, and shell reefs are denoted by dotted areas inclosed by broken lines.

All other symbols used are those as approved by the Board of Surveys and Maps (1932).

(D) Information From Other Sources:

No information other than that obtained from the photographs and the notes of the field inspection party was used in compiling the sheet.

(E) Conflicting Names:

The names used in the compilation were taken from U. S. Coast and Geodetic Survey Chart No. 1268. These correspond to the names used on the U. S. Army Engineers' Map of Southern Louisiana. *Names agree with the chart and no new names are shown. See review, page 2*

COMPARISON WITH OTHER SURVEYS:

The junctions of this sheet (T-5326) with sheets T-5321 on the west, T-5325 on the north, and T-5327 on the south, all matched satisfactorily.

The small waterway designated as Shrimp Bayou on Chart No. 1268 has entirely disappeared. One of the two islands designated as Sundown Island on Chart No. 1268 has disappeared.

LANDMARKS:

The list of landmarks as recommended by the field inspection party is submitted on form 567 for the area covered by this project.

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 ten meters for other detail. *See review report at back.*

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

Submitted by: *J. C. Dabler*
J. C. Dabler,
Draftsman

Approved by: *M. H. Reese*
M. H. Reese,
Chief of Party.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5326

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by J. C. Dobler

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; and 16, 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.) *See review report at back.*
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.)
5. x 6. *See modifications by U.S. H.S. in its field inspection of 1935 SW, Cut I AB.*
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. 3, 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 review at back*
8. The span, draw and clearance of bridges are shown. (Par. 16c.) *none*
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.

10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 64, 65 and 66.)
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.) *None submitted*
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.) *unadjusted*
15. Junctions with contemporary surveys are adequate.
16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.) *Names agree with the charts and no new names are shown. A number of new names have been added by the U.S.G.S. in its field.*
17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.) *inspection of 1935-36. All the names on the compilation as of 6/4/34 have been affirmed H.B. May 19, 1936.*
18. No additional surveying is recommended.
19. Remarks:

20. Examined and approved:

M.H. Reese
M. H. Reese.
 Chief of Party

21. Remarks after review in office: *see next page*

Reviewed in office by: *B.G. Jones*

Examined and approved:

K.T. Adams
 Chief, Section of Field Records

L.O. Lobbut
 Chief, Division of Charts

J.S. Borden
 Chief, Section of Field Work

G. Hude
 Chief, Division of
 Hydrography and Topography.

Review of Air Photo Compilation T 5326 (1934)

The plot of the photographs on this compilation was complicated by the fact that the centers of most of the photographs fall over the water and there was a very limited amount of control. The accuracy of location given on Page 4 of the report is too high. To make a close estimate of the accuracy of the plot would require examination of the photographs which are not yet in this office. From a careful examination of the control and the report, which states that the photographs are free of large tilts, the compilation is accepted as sufficiently accurate for charting and is adequate to supersede the older survey in this area.

Comparison with the last Topographic Survey T 654 (1857) shows large changes. The detail of islands and points has been altered all along the shoreline. Brush Island is much smaller than on the old survey. The chain of Islands extending one mile S. E. from Door Point has disappeared. One of the Sundown Islands has been washed out leaving only ^a shell reef. The small islands in lat. $30^{\circ}06'$ to $30^{\circ}08'$ and long. $89^{\circ}09'$ to $89^{\circ}10'$ have been washed away.

B. G. Jones
B. G. Jones