

5322

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Louisiana

DESCRIPTIVE REPORT

Photo }  
Topographic } Sheet No. T-5322  
~~Hydrographic~~

LOCALITY

Bay Boudreau & Vicinity  
Shell Island Lake

Bayou La Loutre to Conkey

Cove.

193 4

CHIEF OF PARTY

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

5322

Applicant # CN 1268. Aug. 1939 - D.S.G.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5322

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. 35

REGISTER NO. T-5322

State Louisiana

General locality Shell Island Lake

Locality Bayou La Loutre to Conkey Cove.

Scale 1: <sup>20,000</sup>~~24,000~~ Photographs: 11/29/32  
Date of ~~survey~~ 11/29/32, 19

~~Vessel~~ 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 A. A. Voss.

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

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

Instructions dated November 7, 19 33

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-5322

FIELD NO. 35

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
873-883	11/29/32	9:51 to 9:56 A. M.
1001-1010	11/29/32	10:00 to 10:04 A. M.

	BY	DATE
PROJECTION BY	<u><i>E. P. Hernandez</i></u> E. P. Hernandez	<u>5/1/34</u>
PROJECTION CHECKED BY	<u><i>G. O. Coignet</i></u> G. O. Coignet	<u>5/1/34</u>
CONTROL PLOTTED BY	<u><i>G. O. Coignet</i></u> G. O. Coignet	<u>5/2/34</u>
CONTROL CHECKED BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>5/2/34</u>
RADIAL LINE PLOT BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>5/11-14/34</u>
RADIAL LINE PLOT CHECKED BY	<u><i>A. A. Voss</i></u> A. A. Voss	<u>5/17/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u><i>A. A. Voss</i></u> A. A. Voss	<u>5/17 to 6/5/34</u>
PASTING OF NAMES BY	<u><i>A. A. Voss</i></u> A. A. Voss	<u>6/7/34</u>
REVIEW OF COMPILATION BY	<u><i>A. A. Voss</i></u> A. A. Voss	<u>6/6/34</u>

AREA OF DETAIL INKED-- 54.0 sq. Statute Miles.

LENGTH OF SHORELINE-- (more than 100 meters from nearest opposite shore)-- 268.2 Statute Miles.

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 35

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet has been obtained from the reports and data of Lieutenant E. R. Mc Carthy, Lieut. Comdr. R. L. Schoppe, and Lieut. W. H. Bainbridge, engaged in 2nd order triangulation in this vicinity at the time of the compilation, from the notes and sketches on the field photographs, and from members of the field inspection party in questionable areas.

Normal tide variations are very slight and its effect was neglected because of the small scale of the photographs.

The land area of this sheet consists of low marshy ground, none of which is under cultivation.

This sheet was compiled from photographs taken by the U. S. Army Air Corps, five lens, T-3A Camera, No. 32-3. Photograph numbers 873-883 (West Flight) approximately parallel with Longitude 89°26'30", and numbers 1001-1010 (East Flight) approximately parallel with Longitude 89°19'.

CONTROL:

(A) Sources:

- (a) Triangulation by Lt. E. R. Mc Carthy-1934.
- (b) Triangulation by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge-1934.

Recent ties with first order triangulation indicate that the errors in this area are very small. The geographic positions used are on the North American 1927 Datum. The field computations were used.

(B) Errors:

The control for this sheet is adequate and the radial line plot gave well defined points of intersection.

(C) Discrepancies:

No discrepancy in position of control stations was 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 in the compilation of this sheet.

(B) Adjustment of Plot:

The photographs in the two flights covering the area shown by this sheet are free from excessive tilt and scale fluctuations and required no unusual adjustments, except

photo number 879 which was discarded, because of excessive tilt, the compilation was then made from photographs north and south of photo number 879.

(C) Interpretation:

To denote mangle brush three or four feet high the symbol used was ( f ), to denote reeds the symbol used was that for bamboo ( + ), otherwise, only the conventional graphic symbols were used as approved by the Board of Surveys and Maps (1932).

No great difficulty was experienced in interpreting photographic details.

The large canals and bayous are indicated by double full lines, and small canals and bayous by single solid lines.

The classification of features were determined by a close examination of the photographs, except where labeled on the field prints.

The houses, that were shown, have been exaggerated so as to be more easily distinguishable. The centers of the houses are accurately located and could be used for hydrographic or topographic signals.

(D) Information From Other Sources:

There was no information derived from sources other than that mentioned in previous paragraphs.

(E) Conflicting Names:

There are no conflicting names in this area. All the names used were taken from U. S. Coast and Geodetic Survey Charts Nos. 1268 and 1270, from U. S. Engineers' Chart of Southern Louisiana and from reports of the field inspection party. Names shown are in current usage by the inhabitants of this area. *X U. S. Geographical at back*

COMPARISON WITH OTHER SURVEYS:

The junction with adjoining sheets to the North, East, South and West, T-5321, T-5327, T-5325, and T-5314, respectively, are satisfactory. The general features on this sheet check well with Charts Nos. 1268 and 1270, and with U. S. Geological Survey Quadrangle Sheet "Bodreau". There is some change in the details of shore line as shown on previous charts, due to the erosion from waves and current in the bays, lakes, and bayous. *See review*

LANDMARKS:

In the area covered by this sheet there are no landmarks 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 plotting, and ten meters for other data. Some small bayous were exaggerated in order to keep the two lines distinct. *The value of 5 to 10 meters given above is too high. Assuming careful compiling the accuracy of location is estimated at 8 to 10 meters for intersected points and 10 to 25 meters for other detail*

*B. J. J.*

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 survey is required.

Submitted by: A. A. Voss,  
Draftsman

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

Note: Comparison with topographic surveys T 768 (1859) and T 1198 (1871) shows the larger features to ~~be~~ be about the same but there have been many changes in the points of land and shapes of the smaller islands. A number of small islands have disappeared, particularly in Fishing Smack Lake and Drum Bay. This compilation T 5322 supersedes the old surveys.

B.g.g.



## REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5322

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese.

Compiled by A. A. Voss

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.)
- ✓ 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 opposite page.*
- ✓ 8. The span, draw and clearance of bridges are shown. (Par. 16c.)  
*span*
- ✓ 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.) *None*
14. The geographic datum of the sheet is North American 1927 <sup>and *unadjusted*</sup> the reference station is correctly noted. (Par. 34.)
15. Junctions with contemporary surveys are ~~adequate.~~ *correct.*
16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.) *Only two names shown are not on the present charts, Wildgoose I. and Biloxi Bayou. These are shown on the compilation pending Mr. Bacon's decision. Biloxi Bayou is on U.S.G.S. Map.*
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: *M. H. Reese*  
M. H. Reese.  
Chief of Party

21. Remarks after review in office:

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

Examined and approved: *K.T. Adams*  
Chief, Section of Field Records

*L.O. Gilbert*  
Chief, Division of Charts

*F.S. Borden*  
Chief, Section of Field Work

*R.K. Lukens*  
Act. Chief, Division of  
Hydrography and Topography.

GEOGRAPHIC NAMES

Date. January 7, 1935

Chart No. 1268 -1270

Names approved Jan. 28, 1935. Helen M. Strong.

Diagram No. \_\_\_\_\_

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

† Not Approved by the Division of Geographic Names, Department of Interior.

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

*Revisions, corrections and additions from USGS surveys of 1935 and other sources. Feb. 18, 1936. HB.*

**Title of this sheet changed to Bay Boudreau and Vicinity, Bayou La Loutre to Conkey Cove.**  
See page 3 of the descriptive report and page 2 of the review report.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Wild Goose Island</u> ✓		U.S.G.S. 1935	Wild Goose Island	
	<u>Mud Grass Islands</u> ✓	Same	Mud Grass Islands (2 Islands) U.S.G.S. 1935		
	<u>Biloxi Bayou</u> ✓		U.S.G.S. 1935	Biloxi Bayou	
	<del>Indian Mound Bay</del> ✓ <i>OK. HB.</i>	<del>Lake of the Mound</del>	<i>Correction of Feb. 1936</i> U.S.G.S. 1935	<del>Indian Mound Bay</del> Same	<i>Chart 1268, U.S. Engrs. U.S.G.S. 1935 29°59' 89°19'</i>
	<u>Kerchimbo Bay</u> ✓	Same	U.S.G.S. 1935		
	<u>Conkey Cove</u> ✓	"	"		
	<u>Liveoak Bayou</u> <i>Chart 1268 Later edition</i>	<u>Live Oak Bayou</u>	<i>Chart 1268, U.S.G.S. 1895 U.S.G.S. 1935 U.S. Engrs</i>	<i>Referred to U.S.D.G.N. Would retain Live Oak in conformity with present usage. HB.</i>	
<i>One word</i>	<u>Dead Mans Bayou</u>	Same	U.S.G.S. 1935		
	<u>Fishing Smack Lake</u>	"	"		
	<u>S.W. Pass Pass</u>	"	"		
	<u>Shell Island Lake</u>	"	"		
	<u>Dutchman Pass</u>	"	"		
	<u>Lawson Bay</u>	"	"		
	<u>Lake Eugenie</u>	"	"		
	<del>Lake of the Mound</del>	" <u>Lake of the Mound</u>	<i>Chart 1268, U.S.G.S. 1895 &amp; 1935</i>	<i>OK. HB.</i>	<i>29°53' 89°23'</i>
	<u>Indian Mound</u>	"			
	<u>Bayou La Loutre</u> <i>Correct usage is "La" not "La"</i>		U.S.G.S. 1935	Bayou La Loutre	
	<u>Drum Bay</u>	"	"		
	<u>Pirate Point</u>	"	"		
	<u>Bay Boudreau</u> <i>Boudreau * D.G.N. decision 11/18/38</i>	"	"	<i>This name will be referred to U.S. B on Geog. Names limits of bay to be defined.</i>	
	<u>Treasure Bay</u>	"	U.S.G.S. 1935		

GEOGRAPHIC NAMES

Survey No. T 5322

Underlined names approved  
Feb. 18, 1936. J.B.

*Corrections & additions  
Feb. 18, 1936  
J.B.*

Name on Survey	A On Chart No.	B On previous survey No.	C On U.S. Maps G.E. & N.W. Quadrangle Boudreau 1935	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	I U.S. Engrs
<u>Lakes of Bayou Marron</u>		✓	✓						1
<u>Bayou Marron</u>		✓	✓						2
<u>False Mouth Bay</u>		✓						✓	3
<u>Bobs Lakes</u>		✓	✓						4
<u>Bobs Bayou</u>		✓	✓						5
<u>Crooked Bayou</u>	Question as to location	✓	✓						6
<u>Newton Pass</u>		T. 1198 (1871)							7
<u>Anderson Point</u>		T. 1198 (1871)							8
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