

5316

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-5316 5316
~~Hydrographic~~

LOCALITY

Breton Sound

~~Lake Callebasse~~

~~Lake Jean Louis Robin~~

~~to Black Bay.~~

1934

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1923

5316

Applied to Chs 1271 - Dec 1937 - O.K. Dambak

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5316

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. 29

REGISTER NO. T-5316 5316

State Louisiana

General locality Lake Callebasse Breton Sound

Locality Lake Jean Louis Robin to Black Bay

Scale 1:20,000 Photographs: 12/21/32
1:24,000 Date of survey 12/1/32, 19

Wessel 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. de Carriere.

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 scale of 1:24,000 and enlarged and

printed on scale of 1:20,000 by Photo-Lithography.

Make 3 originals of
this report because
the pink page will not
duplicate

- NOTES ON COMPILATION -

SHEET NO. T-5316FIELD NO. 29

PHOTOS, NOS:	DATE OF PHOTOGRAPHS	TIME
530-537	12/21/32	10:12 to 10:15 A. M.
551-554	12/1/32	11:31 to 11:33 A. M.
664-675	12/2/32	10:59 to 11:04 A. M.

	BY	DATE
PROJECTION BY	<u>E. P. Hernandez</u>	<u>4/20/34</u>
PROJECTION CHECKED BY	<u>H. C. Smith & G. O. Coignet</u>	<u>4/20/34</u>
CONTROL PLOTTED BY	<u>F. T. Clarke</u>	<u>4/25-26/34</u>
CONTROL CHECKED BY	<u>H. C. Smith</u>	<u>4/26/34</u>
RADIAL LINE PLOT BY	<u>H. C. Smith</u>	<u>4/26-27/34</u>
RADIAL LINE PLOT CHECKED BY	<u>A. A. de Carriere</u>	<u>5/13/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>A. A. de Carriere</u>	<u>5/13 to 6/9/34</u>
PASTING OF NAMES BY	<u>A. A. de Carriere</u>	<u>6/9/34</u>
REVIEW OF COMPILATION BY	<u>H. C. Smith</u>	<u>6/11/34</u>

AREA OF DETAIL INKED-- 59.6 sq. Statute Miles.

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

- COMPILER'S REPORT -

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 29

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet was obtained from the notes and sketches on the field photographs, from the reports and triangulation sketches of Lieut. E. R. Mc Carthy and Lieut. W. H. Bainbridge, who were in charge of triangulation parties located in this area at the time of compilation, and from the 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.

Because of the very small tide, (one foot) and the small scale of the photographs, its effect was neglected in the interpretation of the high water line from the photographs.

The area covered by this sheet consists principally of low marsh ground, several large, and numerous small lakes and bayous and Black Bay. This is an undeveloped region, having few inhabitants, no roads or canals or improvements, other than Club Paradise on the pass between Lake Jean Louis Robin and Lake Coquille.

This sheet was compiled from the photographs taken by the U. S. Army Air Corps five lens T-3A Camera, No. 32-3; photograph numbers 530-537 and 551-554 (West Flight) and 664-675 (East Flight). The line of flight of the strip of photographs, numbers 530-537 on the West falls approximately along Longitude $89^{\circ}40'20''$ and the line of flight of photograph numbers 550-554 falls approximately along Longitude $89^{\circ}41'50''$. The line of flight on the East strip falls approximately along longitude $89^{\circ}34'50''$.

CONTROL:

(A) Sources:

The following sources of control were used in the compilation of this sheet.

(a) Triangulation by Lieut. E. R. Mc Carthy-1934.

(b) Triangulation by Lieut. W. H. Bainbridge-1934.

The geographic positions are on the North American 1927 Datum and the field computations were used.

(B) Errors:

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

(C) Discrepancies:

No discrepancy in position of control stations were found, no control stations established by any other organization was used in the compilation of this sheet.

COMPILATION:

(A) Method:

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

(B) Adjustment of Plot:

The photographs on this sheet were free from excessive tilt and scale variation and all were utilized in the course of drafting.

There was no unusual adjustments of the radial plot in the drafting of the photographs.

(C) Interpretation:

To denote mangle brush three or four feet high, occurring along the edge of Bayou Terre aux Boeufs the following symbol was used: ({), aside from this, only the conventional symbols approved by the Board of Surveys and Maps (1932) were used and no great difficulty was experienced in interpreting the detail from the photographs.

To indicate bayous & large streams, a double full line was used. The lesser bayous and canals, too narrow to be shown by a double line, were indicated with a single solid line.

The conventional control station symbol was not used in the case of station, "Ball on Club Paradise-1934" because of the interference with detail in that location. A dot was made at the station and an arrow drawn to it from the name of the station.

The boat houses, etc. around Club Paradise have been slightly exaggerated in size for clearness in the photolithographic process, but the centers are accurate for hydrographic purposes.

In most cases where the field inspection party did not classify all of the features, they had to be determined by a close examination of the photographs.

(D) Information From Other Sources:

There were no other sources of information for this sheet, other than that obtained from the photographs, from the field inspection party, and from the reports and triangulation sketches of Lieutenants E. R. Mc Carthy and W. H. Bainbridge-1934.

(E) Conflicting Names:

The names on this sheet have been taken from U. S. Coast and Geodetic Survey Chart No. 1271, from progress sketches of triangulation by Lieutenants E. R. Mc Carthy and W. H. Bainbridge, and from the field inspection party. In comparing with U. S. Geological sheet of this area and the U. S. Engineers' Map of South Louisiana, only one conflict in names was found: Names agree with chart 1271. Only one new name is shown, Bayou Palo, and that is shown on the W.D.G.S. quadrangle, "Dime". Bgg

Names The new name Bayou Polo and the names Bayou Jean Louis Robin, and Black Bay are shown on the compilation pending Mr. Bacon's decision as to whether changes should be made

Bgg

* The accuracy of location of 5 to 10 meters given on the offshoot page is too high for work on this scale. Assuming careful plotting a better estimate is an accuracy of about 10 meters for intersected points and 10 to 20 meters for other detail.

Bgg

U. S. Coast and Geodetic Survey Chart No. 1271 <i>and compilation T-5316</i>	U. S. Geological Survey Chart	U. S. Engineers', Map of So. La.
Lake Fortuna	Lake La Fortuna	Lake Fortuna

The natives in this area prefer to speak of
Bayou Jean Louis Robin as Bayou Pasqua and Black Bay as
Nigger Lake. See opposite page.
All other names are in current usage.

COMPARISON WITH OTHER SURVEYS:

In comparing this sheet with adjoining ones, it was found to
match satisfactorily with sheet No. T-5315 to the North, T-5317 to
the South, T-5324 to the East, and T-5308 on the West.

In comparing this sheet with the U. S. Geological Survey
Quadrangle Sheet "Dime", of this area, and the U. S. Coast and Geodetic
sheet No. 1271, it is found that there has been considerable cutting
away of the area bordering on Lake Callebasse, due to storms and
erosion. Many small streams have cut through the area and numerous
small lakes have formed in the apparently frequently inundated region.
There are no planotable surveys of this area in the files. 1394

LANDMARKS:

There are no lists of landmarks available for this area which
have been recommended by the field inspection party or by other
field parties.

RECOMMENDATIONS FOR FURTHER SURVEYS:

It is believed that an error of five meters may have occurred in
the compilation of this sheet in well defined detail and an error of
ten meters for other data. It is understood however, that the size
of houses and boat sheds have been slightly exaggerated in order that
the detail may show up clearly in the photo-lithographic process.

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

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

Submitted by: *H. C. Smith*
Draftsman

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5316

Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese

Compiled by A. A. de Carriere

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.
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.

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 submitted*
14. The geographic datum of the sheet is North American 1927 ^{unadjusted} and the reference station is correctly noted. (Par. 34.)
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.) *Pages 3 and 4. Names examined and approved unless otherwise stated on map. Names sheet. H.D.*
17. The quality of the drafting is ^{fair} 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. Pollock
Chief, Division of Charts

J. S. Jordan
Chief, Section of Field Work
G. H. Hude
Chief, Division of
Hydrography and Topography.

GEOGRAPHIC NAMES

Date. January 8, 1935

Chart No. 1271

Names underlined in red approved Jan 12, 1935

Diagram No.

Harlow Bacon

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

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

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

New names and corrections from USGS survey of 1935

Status	Name on Survey	Name on Chart, or other Maps as listed	New Names in local use	Names assigned by Field	Location
	<u>River aux Chenes</u> (2)	1271, USGS, U.S. Eng. La. 1871, La 1872			
	Bayou Long (2)	" " " " " "	See USGS Survey of 1935	Rat Bayou	29° 41' 30" 89° 40' 10"
	<u>Bayou Terre aux Boeufs</u> ✓	" " " " " "	"		
	<u>Bayou Jean Louis Robin</u>	1271 USGS, Engrs, Parish Map	Bayou Pasqua	Wait till well established	
	<u>Lake Coquille</u> ✓	1271, USGS, U.S. Eng. La. 1872			
	<u>Black Bay</u> ✓	1271, USGS (1935)		a large bay that enters at 29° 37' - 89° 28' 5"	
	<u>Lake Callebasse</u> R one " Lake Callebasse	OK. 20448 Survey of 1935		Retain spelling for present	
	<u>Bayou Palo</u> ✓			"	
	<u>Lake Machais</u> ✓				
	<u>Lake Fortuna</u> ✓				
	<u>Bayou Numa</u> ✓				
	<u>Lake John</u>		From USGS Survey of 1935		
	<u>Bayou Fon Gera</u>		"		29° 43' 89° 44'
	<u>Grosbeak Bayou</u> ✓		"		
	<u>Bay Shallow</u> ✓		"		
	<u>Lake Fausan</u> ✓		"		
	<u>Bayou Honoo Fausan</u> ✓		"		
	<u>Little Bayou Bay False River</u> ✓		"		29° 37.5' 89° 44.5'
	<u>Branville Bay</u> ✓		"		
	<u>Pontons Bay</u> ✓		"		
	<u>Daylight Bay</u> ✓		"		
	<u>Bayou Ponton</u> ✓		"		

Date. Nov. 11, 1935 GEOGRAPHIC NAMES

Survey No. T5316

Chart No. 1271

Diagram No. _____

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

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

Under investigation. Q Underlined names approved Nov 11, 1935 H. Bacon
New names and correction from U.S.G.S. survey of 1935, (Advance sheets)

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Bayou Jontics</u> ✓		From USGS Survey of 1935		29° 38.5' 89° 43'
	<u>Bayou Fourche</u> ✓		"		29° 38' 89° 44'
	<u>Lost Flat Bay</u> ✓		"		
	<u>Lost Flat Bayou</u> ✓		"		
	<u>Bayou Bay False River</u> ✓		"		
	<u>Sand Hill Bayou</u> ✓		"		29° 40' 89° 44'
	<u>Sister Bayou</u> ✓		"		
	<u>Flat Bayou</u> ✓		"		29° 40.2' 89° 42.4'
	<u>Round Lake</u> ✓		"		
	<u>Lake Cuatro Caballo</u> ✓		"		
	<u>Crooked Bayou</u> ✓ Not Bayou Long		"		29° 42.9' 89° 42.7'
	<u>Bayou Gaudet</u> ✓		"		
	<u>Petain Lagoon</u> ✓		"		
	<u>Bayou Lingeo</u> ✓		"		29° 43' 89° 39'
	<u>Bottle Bayou</u> ✓		"		
	<u>Rat Bayou</u> ✓ Not Bayou Long		"		
	<u>Bayou Menard</u> ✓		"		
	<u>Lake Pato Cavallo</u> ✓		"		
	<u>Pintail Flat</u> ✓		"		
	<u>Bayou Zip</u> ✓		"		
	<u>Deer Island</u> ✓		"		
	<u>Adema Pond</u> ✓		"		

Survey No. T 5316Date Nov. 11, 1935 GEOGRAPHIC NAMESChart No. 1271

Diagram No. _____

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

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

Under investigation. Q Underlined names approved Nov. 11, 1935, H. Bacon
New names and corrections from U.S.G.S. survey of 1935 (Advance sheets)

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Bay la Fourche</u> ✓		From USGS Survey of 1935		
	<u>Popcorn Bayou</u> ✓		"		29° 38' 89° 40'
	<u>Bayou Polk and Dallas</u> ✓	Transposed to correspond to T 5317	"		29° 38' 89° 39.4
	<u>Bay of the River aux Chenes</u> ✓		"		
	<u>Jessies Island</u> ✓		"		29° 38' 89° 37'
	<u>Grassy Point</u> ✓		"		29° 38.2 89° 37.3
	<u>Greaseboat Island</u> ✓	Greaseboat I USGS Jan 16, 1936 OK, USGS, Jan. 1936	"		29° 38.6 89° 37'
	<u>Deer Island Bayou</u> ✓		"		
	<u>Lake Campo Pass</u> ✓		"		
	<u>Lake Campo</u> ✓		"		
	<u>Bayou Grand</u> ✓		"		
	<u>Bottle Lagoon</u> ✓		"		
	<u>Grand Pass</u> ✓		"		29° 43.8 89° 36.6
✓	<u>Lonesome Island</u> ✓		"		29° 37.8 89° 35.8
✓	<u>Snake Island</u> ✓		"		29° 38.4 89° 34'
✓	<u>Bayou Grande</u> ✓		"		
✓	<u>Pumpkin Bay</u> ✓		"		
✓	<u>Grand Coquille Point</u> ✓		"		
✓	<u>Lake of 2nd Trees</u> , Map of St Bernard Parish				
✓	<u>Drum Bay</u> ✓		"		