

5301

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-5301
~~Hydrographic~~

LOCALITY

Caminada Bay

Bayou Lafourche to Bay Des

Ilettes.

1934

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1923

5301

Applied to	Chs. 1274	- Feb. 1937	-	Dr. J. Gamble
Applied to	Chs. 1050	May 1937		Chas. R. Bush
"	"	1273	Sept 1935	Dr. S. S.
"	"	1271	" 1937	Dr. S. S.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5301

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. 14

REGISTER NO. T-5301

State Louisiana

General locality Caminada Bay

Locality Bayou Lafourche to Bay Des Ilettes

Scale 1: ~~24,000~~ ^{20,000} Date of ~~survey~~ ^{Photographs} 12/1/32
1/1/33, 19

~~VESSEY~~ 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 J. A. Peterson

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.

...

- NOTES ON COMPILATION -

SHEET NO. T-5301

FIELD NO. 14

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
1942-1953	12/1/32	10:57 to 11:03 A.M.
1987-1998	1/1/33	9:38 to 9:42 A.M.

	BY	DATE
PROJECTION BY	<u><i>E. P. Hernandez</i></u> E. P. Hernandez	<u>3/23/34</u>
PROJECTION CHECKED BY	<u><i>E. L. Fitch</i></u> E. L. Fitch	<u>3/23/34</u>
CONTROL PLOTTED BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>3/26/34</u>
CONTROL CHECKED BY	<u><i>M. H. Reese</i></u> M. H. Reese	<u>3/27/34</u>
RADIAL LINE PLOT BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>3/27/34</u>
RADIAL LINE PLOT CHECKED BY	<u><i>J. A. Peterson</i></u> J. A. Peterson	<u>4/3/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u><i>J. A. Peterson</i></u> J. A. Peterson	<u>4/4 to 5/9/34</u>
PASTING OF NAMES BY	<u><i>J. A. Peterson</i></u> J. A. Peterson	<u>5/23/34</u>
REVIEW OF COMPILATION	<u><i>E. L. Fitch</i></u> E. L. Fitch	<u>5/11/34</u>

AREA OF DETAIL INKED-- 78.5 sq. Statute Miles.

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

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 14.

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet was obtained from the reports of Lieutenant E. R. Mc Carthy and Lieutenant T. B. Reed, in charge of triangulation parties located in this area at the time of compilation; from notes and sketches made on the field photographs, by members of the field inspection party; and from members of the field inspection parties in questionable areas not noted on the field photographs.

There is practically no tide in streams and lakes appearing on the Western section of the sheet and a tide of approximately one foot in the Bays and lakes appearing on the Eastern section of the sheet. The greatest variation in water level in this area is in the winter, caused by high winds. North winds lowering the water level and south winds causing it to rise.

The variation of shore lines caused by the above mentioned changes of water level is not great enough to be noticeable at the small scale of the photographs and was therefore disregarded when tracing.

The area covered by this sheet consists of low marsh ground, bayous and lakes. The only area under cultivation is a small area along Bayou Lafourche.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A Camera, No.32-3; photographs numbers 1942-1953 (West Flight) approximately parallel to Longitude $90^{\circ}04'40''$ and 1987-1998 (East Flight) approximately parallel to Longitude $90^{\circ}11'$.

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 1933-34.

(b) Triangulation by Lieutenant T. B. Reed in 1933-34.

The geographic positions obtained by the above two parties were computed on the North American 1927 Datum. These positions were used and supplemented by those of Lieutenant T. B. Reed who was engaged in combined operations work in this locality at the time of the compilation. A number of hydrographic stations, located by triangulation and marked and described by Lieutenant T. B. Reed-1934, were used as additional control in the compilation and these stations are shown by a circle, 2 millimeters in diameter. See Review report at back in regard to descriptions of these stations ^{unadjusted}

Because of the recent ties with first order triangulation to the North and East of this sheet any existing error between the unadjusted and the final adjusted positions would be unplotable at the small scale of the photographs-1:24,000. Further data concerning the control in this area can be obtained from the reports of Lieutenants T. B. Reed and E. R. Mc Carthy.

(B) Errors.

The control is adequate for this sheet and the radial line plot gave good intersections. Some error may exist in minor details in the area between Longitude 90° 04' and 90° 07', and Latitude 29° 19' and 29° 22' because (B) Prints 1987-1990 and (C) Prints 1989-1995 of that area were blurred by smoke. The only way to determine position of detail was to take preceding and following prints so that details appeared as the angle increased and line of view moved below the smoked area, where the smoke was at a high altitude. - The area mentioned is a compilation No 530(1934)

(C) Discrepancies.

No discrepancies in the position of control stations were found. No control stations established by other organizations were used in the compilation of this sheet.

COMPILATION:

(A) Method.

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

(B) Adjustments of Plot.

The photographs in these two flights did not have any unusual or excessive amount of tilt. The radial line plot was carefully made, and the scale of the photographs was constant which eliminates possibilities of unusual error.

(C) Interpretation.

The symbol (ξ) was used to denote mangle brush three or four feet high. All other symbols used were the conventional graphic symbols as approved by the "Board of Surveys and Maps" (1932). The double full line was used to indicate large bayous and important canals. To indicate small bayous and canals of lesser importance a single solid line was used. Intermittent bayous are indicated with dash and dot lines, and indefinite bayous and small lakes are indicated with dash lines. The classification of these features had to be determined largely by close examination of the photographs, by comparison of features to features which had been labeled on the field photographs by members of the field inspection parties.

(D) Information from other sources.

There were no sources of information for this compilation, other than the photographs, reports of the field inspection parties, and reports of the chiefs of triangulation parties, as noted in a previous paragraph.

(E) Conflicting Names.

There are no conflicting names between the progress sketches sent in by Lieutenant E. R. Mc Carthy and Lieutenant T. B. Reed, and previous charts, by the U. S. Coast and Geodetic Survey, of this area. *

COMPARISON WITH OTHER SURVEYS:

The junctions with adjoining sheets to the North, East, South and West- T-5300, T-5311, T-5302, and T-5297 respectively, are satisfactory.

In comparing this sheet with U. S. Coast and Geodetic Survey Chart No. 196, it is to be noted that bayous, lakes and bays have maintained their general characteristics as to shorelines. Minor details are not shown on Chart No. 196 because of the small scale. The large difference in scale between Chart No. 196 and this sheet makes close comparison of these two sheets impossible.


LANDMARKS:

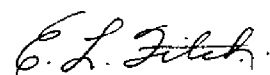
Lists of landmarks in this area were submitted by Lieutenants E. R. Mc Carthy and T. B. Reed on form 567.

RECOMMENDATIONS FOR FURTHER SURVEYS:

Except for the area noted under "Errors" the compilation of this sheet is believed to have a probable error of five meters in well defined details of importance for charting and of ten meters for other data. It is understood that canals, bayous, and roads may be slightly exaggerated, where necessary, to keep the detail clear and not photograph as a solid line.

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.

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

Submitted by: 
E. L. Fitch
Chief Draftsman.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO.

Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese

Compiled by J. A. Peterson

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. ^{None} 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.) *See following page.*

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.) *See review on next page. Names verified H.B.*

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:
See next page.

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

Examined and approved:
K.T. Adams
Chief, Section of Field Records
L.O. Whit
Chief, Division of Charts

F. Borden
Chief, Section of Field Work
G. Wade
Chief, Division of
Hydrography and Topography.

Review of Air Photo Compilation 5301 (1934)

Control. The control was adequate for this compilation but the accuracy of location given on page 4 of the descriptive report is considered high for work on this scale (compiled on 1:24,000). A more likely value is an accuracy of location of 8 to 10 meters for points located by intersections and 10 to 20 meters for other detail. Actual values can only be determined by ground measurements.

Comparison with Other Surveys. The shoreline from this compilation was transferred to Hydrographic Survey 5491 (1934) in the field before smooth plotting. There is no conflict of any consequence between the two surveys. See the following paragraph for differences in geographic names.

No planetable control surveys have been received from T.B.Reed in this area.

This compilation has been compared with the old topographic survey 1468 (1877). Considerable change has occurred in the shapes of the islands and points. No detailed comparison is necessary. The compilation is adequate to supersede the older survey.

This name OK/H.Bacon
Names. ~~The name Bassa Bassa Bay, Latitude 29° 21', Longitude 90° 00', as shown on this compilation and on chart 196 is in accordance to chart letter 299, 1925. This Bay is shown as Round Bay on chart 197.~~

No other names on this compilation conflict with the chart or G.S.quadrangle Creole.

A number of new names are shown on the compilation. Attached is a copy of a letter from Lieutenant (j.g.) Reese in regard to his ~~of~~ triangulation progress sketches as a source of names. *that has been unsubmitted to Mr. Bacon and new names retained on the compilation pending his decision.*

The new name Bayou Fort Blanc as submitted by the compiler and shown also on H 5491 (1934) has been changed to Bayou Font Blanc as *OK/H.B.* given on the triangulation description for station Ben 1934. The word Font makes better sense than Fort which is probably a mistake in spelling by the compiler. *This change has also been made on T 5302.*

The Hydrographic Survey shows the name Bayou Andre in two places, Latitude 29° 16', Longitude 90° 02', and Latitude 90° 19.5', Longitude 90° 05'. This compilation shows the name only in the southern position which agrees with chart 196.

B.G. Jones
The hydrographic stations mentioned in the last paragraph, page 2 of the report, are stations marked with Hydrographic marks but located by triangulation. The data for these stations are listed as triangulation and the stations have been changed to show as triangulation stations on this compilation.

U. S. Coast and Geodetic Survey,

1611 Masonic Temple Bldg.,

New Orleans, Louisiana.

C O P Y

June 22, 1934.

To: The Director,
U. S. Coast and Geodetic Survey,
Washington, D. C.

From: M. H. Reese,
Lieutenant (j.g.) C. & G. Survey.

Subject: Geographic Names on Air Photo Sheets, Reference: 26-AHH,
1930 (24).

You are advised that the matter of names on the air photo sheets has been given detailed attention. Geographic names were obtained from the progress sketches and reports of Lieutenants Patterson, Reed and McCarthy, because they were more familiar with the territory than I was. It was considered that these officers were in a position to give the correct information, due to the length of time their parties spent in the field, and to the fact that they were employing local people who could furnish the information. The field inspection party, as a rule, only spends two or three days in a particular locality.

Another handicap in this particular locality is that the natives themselves have different names for various bayous, bays and lakes.

As far as the Geological Survey Maps of this section are concerned, they are not worth the paper they are printed on. They were compiled in 1890 from the charts of the Coast Survey and surveys of the Public Land Office. The only recent map of this section was compiled by the U. S. Engineers in 1916 and it is supposed to be revised up to 1934. The descriptive reports give the comparison of the names as submitted by the various field parties, the Geological Survey Maps, and the U. S. Engineers Map, where names were given on these maps. You will note that a number of new names were added that did not exist on the Geological Survey Maps. To the best of my knowledge, from the information available, these are the names in local use.

The area covered by this party is made up of innumerable bayous, bays, and lakes. There are a number of large lakes, bays and bayous which have no names, or at least, none in general use. The entire territory, except along a few main bayous, is uninhabited. There are a few trapper shacks scattered over the area, but as a rule, they are not permanent. Due to this fact, the information secured by the field inspection is sometimes very meagre.

I realize that as a rule progress sketches are not a reliable source to obtain geographic names, but in this particular case, I think the proper course was followed. I was in constant contact with the various Chiefs of Parties and requested them to furnish this party with the geographic names in their locality. I also realize how important it is to secure the proper names or otherwise considerable trouble is caused to the Chart Section.

(Sgd.) M. H. Reese

M. H. Reese.

GEOGRAPHIC NAMES

Date. January 11 1935

Chart No. 197 & 1116

Names underlined in red approved Jan 11, 1935 Diagram No. _____

- * Approved by the Division of Geographic Names, Department of Interior. *Harlow Bacon*
- ⊕ Not Approved by the Division of Geographic Names, Department of Interior. *Names revised and corrected from notes by Chief State Engr of La. Oct 1935 and from field surveys by U.S. G.S. in 1935. Corrections in red, additions in black. Underlined names approved. H.B. Nov. 7, 1935*
- R, Referred to the Division of Geographic Names, Department of Interior.

Status	Name on Survey	Name on Chart or other Maps as listed	New Names in local use	Names assigned by Field	Location
	<u>Martigan Point</u> 1273	197, USGS. <i>Martigau, T1468a</i>			
	<u>Bay des Ilettes</u> 1273	197, 1116, USGS.			
	<u>West Champagne Bay</u> 1273	197, USGS			
	<u>Daniel's Cut</u> ^{OK} 1273	US Eng. H 5491 <i>see changed location</i>	Same	Same	29° 21' 90° 01.5
	<u>Creole Bay</u> 1273	197, USGS. US Eng.			
	Bayou Chinois ^{OK} <i>out</i>	H 5491 <i>Replaced by Daniels Cut</i>	Same	Same	
	<u>Erican Bayou</u> ^{OK} 1273	"	"	"	
	<u>Orlando Bay</u> ^{OK} 1273	197, US Eng <i>Orlando, USGS, T1468a</i>	Retain	Orlando for present.	
	<u>Bayou Andre</u> 1273	197			
	<u>Bay Tambour</u> 1273	197, USGS, US Eng.			
	<u>Bayou Cassette</u> ^{OK} 1273	H 5491 <i>(Chief State Engr of La)</i>	Same	Same	
	<u>Hatchet Lake</u> 1273	H 5491	"	"	
	Andre Lake <i>out</i>	H 5491 <i>Bay de l'est (Chief State Engr of La. Oct. 1935)</i>			
	<u>Bay Desesperex</u> 1273	197, USGS.			
	<u>Caminada Bay</u> 1273	197, USGS, US Eng.			
	Jonas Bay <i>out</i>	H 5491 <i>Fisherman's Bay (Chief State Engr of La.)</i>	Same	Same	
	<u>Bay Course</u> 1273	USGS, 1116			
	<u>Bay Vasier</u> 1273	H 5491 <i>see corrected location</i>	Same	Same	
	<u>Bayou Garci</u> 1273		Same	Same	
	<u>S.W. Louisiana Canal</u> 1273	US Eng. H 5491.			
	<u>Bayou Port Blanc</u> (3) 1273	H 5491 <i>(Chief State Engineer of La.)</i>	Same	Same.	
	<u>Ferblanc</u>				

GEOGRAPHIC NAMES

Date. January 11, 1935Chart No. 197 & 1116

Names underlined in red approved Jan 11, 1935

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.

Harlow Bacon

Status	Name on Survey	Name on Chart or other Maps as listed	New Names in local use	Names assigned by Field	Location
	<u>Bayou Jake</u> ✓ 1273 ✓ H 5491		Same	Same	
	<u>Bay Jake</u> ✓ 1273 ✓ H 5491		"	"	
	<u>Mink Bayou</u> ✓ (2) 1273 ✓ H 5491		"	"	
	<u>Bayou Rambo</u> ✓ H 5491	see corrected location	"	"	29° 22'3 90° 10'0
	<u>Round Lake</u> ✓ 1273 ✓ H 5491		"	"	
	Bayou Rose Out ✓ H 5491	<u>Bay Rambo</u> (Chief State Engineer of La.)			
	<u>Bayou Lafourche</u> ✓ 197, 1116, USGS, USEng.				
	<u>Grand Bayou Blue</u> ✓ US Eng. Grand Bayou, USGS, La., 1871				
	Bayou Blue ✓ USGS, 1935 Map of La. 1872 Bayou L'Eau Blue 1116				
	<u>Bassa Bassa Bay</u> ✓ 1273 ✓ 197	Round Lake, T. 1468 ⁰⁰ Basse = French for shallow			
	<u>Point des Ilettes</u> ✓ 1273 ✓ 197				
	<u>Palmetto Bayou</u> ✓ USGS and Chief State Engr of La. not			Bayou Rambo	29° 21'5 90° 07'4
	<u>Oaks Bay</u> ✓ Chief State Engr. of La.				
	<u>Bayou L'Ourse</u> ✓ USGS 1935. Chief State Engr of La. 1935				
	<u>Andre Island</u> ✓ " " " " " " "				
	<u>Raccoon Lake</u> ✓ " " " " " " "				
	<u>Raccoon Bayou</u> ✓ " " " " " " "				
	<u>Snake Bayou</u> ✓ USGS, 1935				
	<u>Lake Pierre</u> ✓ " "				
	<u>Bay Lizette</u> ✓ " "				
	<u>South Lake</u> ✓ " "				
	<u>Lake Jesse</u> ✓ " "				
	<u>Bay Diego</u> ✓ " "				
	<u>Bayou Pierre et Lee</u> ✓ " "				