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U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

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

State: Louisiana

DESCRIPTIVE REPORT
Photo
Topographic } Sheet No. T-5300 5300
~~Hydrographic~~

LOCALITY

Little Lake

Golden Meadow Farms to

Bayou St. Denis.

1934

CHIEF OF PARTY

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

Applied to Chart 1050 May 1937
" " " 1278 Sep. 1935
" " " 1271 Dec 1937

John R. Bunk I
D.S.S.
D.S.S.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5300

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. 13

REGISTER NO. T-5300 **5300**

State Louisiana.

General locality Little Lake

Locality Golden Meadow Farms to Bayou St. Denis.

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

~~Vassar~~ 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 F. A. Donadieu

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-5300

FIELD NO. 13

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
1953-1961	12/1/32	11:04 to 11:08 A. M.
1976-1987	1/1/33	9:34 to 9:38 A. M.

	BY	DATE
PROJECTION	BY <u>E. P. Hernandez</u> <i>EP Hernandez</i>	<u>3/24/34</u>
PROJECTION CHECKED BY	<u>E. L. Fitch</u> <i>E. L. Fitch</i>	<u>3/24/34</u>
CONTROL PLOTTED BY	<u>E. P. Hernandez</u> <i>EP Hernandez</i>	<u>3/27/34</u>
CONTROL CHECKED BY	<u>H. C. Smith</u> <i>H. C. Smith</i>	<u>3/27/34</u>
RADIAL LINE PLOT BY	<u>M. H. Reese & H. C. Smith</u> <i>M. H. Reese & H. C. Smith</i>	<u>3/29/34</u> <u>3/30-4/2/34</u>
RADIAL LINE PLOT CHECKED BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>4/5/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>4/5-4/17/34</u>
PASTING OF NAMES BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>5/23/34</u>
REVIEW OF COMPILATION BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>4/27/34</u>

AREA OF DETAIL INKED--99.1 sq. Statute Miles.

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

- COMPILER'S REPORT -

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 13.

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet has been obtained from notes and sketches, made on the field photographs, by members of the field inspection party; 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 the compilation and from members of the field inspection party in questionable areas not noted on field photographs.

There is practically no tide in streams and lakes appearing on the Western half of the sheet and a tide of approximately one foot in the bays and lakes appearing on the Eastern section of the sheet. The variation in shoreline caused by this tide is too small to be noticed on photographs and is therefore neglected when tracing shorelines.

The area covered by this sheet consists of low marsh ground, bayous, and lakes. None of the area is cultivated.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A Camera, No. 32-3, photograph numbers 1953-1961 (West Flight) approximately parallel with Longitude $90^{\circ}11'30''$, and 1976-1987 (East Flight) approximately parallel with Longitude $90^{\circ}04'$.

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 ~~1953~~ 1934.
- (b) Triangulation by Lieutenant T. B. Reed in 1933-1934.

The geographic positions obtained by the above two parties are on the North American 1927 Datum, and recent ties with first-order work in this locality indicate that any existing error between unadjusted positions and the final adjusted positions would be unplotable at the small scale of the compilation-1:24,000.

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, two millimeters in diameter.

(B) Errors.

The control is adequate for this sheet and the radial line plot gave good intersections.

There may be a slight error in the area between Latitude $29^{\circ}25'$ and $29^{\circ}27'$ and Longitude $90^{\circ}00'$ and $90^{\circ}02'$ because (A) Prints 1981, 1982, and 1983 in that area were somewhat blurred by clouds or smoke.

* See review at back of this report.

(C) Discrepancies.

No discrepancies in the position of control stations was 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 having been made very carefully, and the scale of photographs being constant, eliminates possibility of any unusual error.

(C) Interpretation.

The symbol (}) was used to denote mangle brush three or four feet high. The symbol (+ +) was used to denote reeds. All other symbols used were the conventional graphic symbols as approved by the "Board of Surveys and Maps" (1932). The pictures were clear and very little trouble was encountered in interpreting the photographic detail.

The double full line was used to indicate bayous and large canals. To indicate small bayous and canals, known in this area as "pirogue canals", single solid lines were used. Intermittent bayous are indicated with dash and dot lines, while indefinite bayous are indicated with dash lines.

The classification of these features had to be determined largely by close examination of the photographs and by comparison to similar 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 previous paragraphs.

The photographs were clear and the compilation is believed to be exact except in area noted in paragraph (B) under the heading of "Control".

(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. *See review at back of This report.*

COMPARISON WITH OTHER SURVEYS:

The junctions with adjoining sheets to the East, South and West, T-5310; T-5301; and T-5296 respectively, are satisfactory.

To the North at Latitude 29°30' the junction with the "U. S. Geological Survey Air-Photo Compilation" of the S/2 Barataria, Louisiana quadrangle sheet shows some discrepancies in position of a small lake and small bayous but their shapes and sizes and the shore lines check fairly closely.

In comparing this sheet with "U. S. Coast and Geodetic Survey Chart No. 196" it is to be noted that while the bayous, lakes, bays, etc. have maintained their general characteristics as to shoreline, minor details not being shown on the chart because of the small scale makes it impossible for a close comparison.

LANDMARKS:

Land marks for charts submitted on form 567. *

RECOMMENDATIONS FOR FURTHER SURVEYS:

Except for the area noted above 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, and bayous 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.

Submitted by: F. A. Donadieu
Draftsman.

Approved by M. H. Reese
Chief of Party.

* No land marks were submitted by the compilation party. Other reports on compilations in this area state that land marks are to be submitted by lieutenants T. B. Reed and E. R. McCarthy

B.G.G.

+ This compilation is well controlled but the accuracy of location given is considered too high. The error in location of detail, except for the points actually interested in making the plot, is more likely to be from 10 to 20 meters. B.G.G.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5300.

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by F. A. Donadieu.

Project Louisiana Air Photo Compilation Instructions dated November 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. ^{No} 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.) ~~have been furnished~~
~~station information on the compilation to be submitted to T. B. Reed~~
13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) *see page 4 of the report.*
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.) *and the review attached as the following page.*
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:
acting *Chas. W. Green*
Chief, Section of Field Records
L. O. Robert
Chief, Division of Charts

J. S. Borden
Chief, Section of Field Work
G. H. Wade
Chief, Division of
Hydrography and Topography.

Review of Air Photo Compilation T 5300 (1934)

Control. The Hydrographic stations mentioned on page 2, Par. 4, descriptive report were marked with Hydrographic marks but were located by triangulation and the positions and descriptions were submitted by Lieutenant T. B. Reed as part of his triangulation records. The data are filed in the Division of Geodesy. Lieutenant Reed showed these stations with the topographic station symbols but they have been changed on the compilations in the office to triangulation stations.

Comparison with Other Surveys. Shoreline from this compilation was transferred to the Hydrographic surveys H 5491 and H 5494 (1934) in the field. No conflict exists. The beacon shown on the compilation in Latitude $29^{\circ} 27.8'$, Longitude $90^{\circ} 06.6'$ was transferred in the office from the hydrographic location on H 5494 (1934). No other position for the beacon is available.

The compilation has been compared in the office with Chart No. 196 and G. S. quadrangle, Creole, and with the last topographic surveys Nos. 1648 (1877) and 1607 (1878). The general features shown on the old surveys can be recognized but there have been considerable changes in the smaller islands and points of land. No detailed comparison with the old surveys is necessary. No planetable control surveys have been received from Lieutenant T.B. Reed in this area and none are mentioned in the descriptive report.

Names. Refer to Par. E, Page 4, of the descriptive report. All names shown agree with Chart No. 196. New names not shown on the chart are: - Grand Bayou which was submitted by the compilation party and agrees with the G. S. quadrangle; and the names Bay Dobre and Bayou Dobre which have been taken from the triangulation description of stations Upt 1934. In the case of Bayou Dobre and Bay Dobre, neither the chart or G. S. quadrangle show names for this Bay and Bayou. To take the name from the triangulation description is consistent with the use of triangulation progress sketches as a source of names for the compilations by Lieutenant (j.g.) M.H. Reese as explained in the copy of a letter on this subject attached to the following page.

The name Coffee Bayou shown on Chart No. 196 and on this compilation is Coffee Point Bayou on the G. S. quadrangle.

B.G. Jones

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,
1990 (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 1915 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
LOUISIANA.

Date. Nov. 14, 1935

Survey No. T 5300

Chart No. 196, 1116, 1273

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

Status	Name on Survey	Name on Chart or Other Maps.	New Names in local use	Names assigned by Field	Location
	<u>Brusle Lake</u>	✓ Ch. 196, USGS.			
	<u>Round Lake</u>	✓ 196, USGS.			
	<u>Little Lake</u>	✓ ¹²⁷³ 196, USGS.			
	<u>Mud Lake</u>	✓ ¹²⁷³ 196 USGS.			
	<u>St. Josephs Bay</u>	✓ ¹²⁷³ 196 USGS.			
	<u>Bay Dosgris</u>	✓			
	<u>Hackberry Bay</u>	✓ USGS. ^{ch.} 1273.			
	<u>Creole Bay</u>	✓ USGS ^{chs} 196, 1273			
	<u>John the Fool Bayou</u>	✓ USGS 196, 1273			
	<u>Bayou L'Ourse</u>	✓ USGS. 196, 1273			
	<u>West Fork Bayou L'Ourse</u>	✓ USGS.			
	<u>East Fork Bayou L'Ourse</u>	✓ USGS.			
	<u>Coffee Point Bayou</u>	✓ USGS.			
	<u>Manilla Bayou</u>	✓ USGS.			
	<u>Snail Bay</u>	✓ USGS.			
	<u>Snail Bayou</u>	✓ ^{chs.} 196 ## ¹²⁷³ USGS.			
	<u>Grand Bayou</u>	✓ ^{chs.} 196 1116 1273			
	<u>Old Grand Bayou</u>	✓ USGS			
	<u>Bayou ^{Casse-tete} Castete</u>	✓ 196 1116 USGS.			
	<u>Bayou St. Denis</u>	✓ ¹²⁷³ 196 1116, USGS.			
	<u>Bayou Dosgris</u>	✓			

GEOGRAPHIC NAMES

Date Nov. 14, 1935.

Survey No. T-5300

Chart No. 196, 1116, 1273

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

Status	Name on Survey	Name on Chart or Other Maps.	New Names in local use	Names assigned by Field	Location
	<u>Creole Pass</u>	✓ USGS.			
	<u>Plum Point</u>	✓ USGS.			
	<u>Golden Meadow Farms</u>	✓			
	<u>Bayou Cutler</u>	✓ Charts. 1273 196 1116 DSEug's.			
	<u>Yankee Canal</u>	✓			
	<u>Kings Canal</u>	✓ USGS.			
	<u>Kings Ridge</u>	✓ USGS.			
	<u>Live Oak Bay</u>	✓ USGS.		2 words OK.	
	<u>Bayou Raphael</u>	✓ USGS.			
	<u>Coffee Point Bay</u>	✓ USGS.			
	<u>Bayou Brusle</u>	✓			
NOTE. Names underlined in red are approved. Nov 14, 1935.					

GEOGRAPHIC NAMES
 LOUISIANA

Date Dec. 26, 1934

Names underlined in red approved Dec. 26, 1934

Diagram No. Harlow Bacon

- * Approved by the Division of Geographic Names, Department of Interior.
- ☒ Not Approved by the Division of Geographic Names, Department of Interior.
- ☐ Referred to the Division of Geographic Names, Department of Interior.

Latest corrections from authority of Chief State Engr of La., Nov. 6, 1935 in purple ink. H.B.

Also checked with T.1468b

Status	Name on Survey	Name on Chart or other Maps	New Names in local use	Names assigned by Field	Location
	<u>Brusle Lake</u> ✓	196, U.S.G.S., USEngs			
	Round Lake <u>Round Lake</u> ✓ OK	196, U.S.G.S., USEngs <i>See report by John Klear, Chief State Engineer, Oct 28, 1935</i>	Bay John the Fool	from U.S. G.S. survey of 1935	HA. Oct 1935
	<u>Little Lake</u> ✓ 1273	196, U.S.G.S., USEngs			
	<u>Mud Lake</u> ✓ 1273	196, USGS			
	Bay Dobre ✓ <i>out</i>	<u>Bay Dosgris</u> ✓ OK (Chief State Engr, Oct 1935)	Bay Dobre		
	<u>St. Joseph Bay</u> ✓ 1273	196 USGS			
	Coffee Bay ✓ 1273	USGS, 196	Coffee Bay	<u>Snail Bay</u> , USGS, 1935 H.B.	
	<u>Hackberry Bay</u> ✓ 1273	USGS, USEngs			
	<u>Creole Bay</u> ✓ 1273	196, USGS			
	<u>John the Fool Bayou</u> ✓ 1273	196, USGS			
	<u>Bayou L'Ourse</u> ✓ 1273	196, USGS USEngs	<u>West Fork Bayou L'Ourse</u> <u>East Fork Bayou L'Ourse</u>		USGS, 1935 HA
	Coffee Bayou ✓ T.1468b	<u>Coffee Point Bayou</u> ✓ USGS, 1935 USEngs		Coffee Bayou	
	<u>Flat Bayou</u> ✓ 1273	USGS, 196	<u>Manilla Bayou</u> ✓ USGS, 1935 H.B.		29° 26.7 N. 90° 04.5 W NE create
	<u>Snail Bayou</u> ✓ 1273	USGS, 196			
	<u>Grand Bayou</u> ✓ 1273	196, 1116, USGS, USEngs			
	Old Grand Bayou ✓ 1273	USGS, 1935			
	<u>Bayou Castette</u> ✓ 1273	<u>Bayou Castète</u> (La Chief State Engr, Oct 1935)	Bayou Castette State Engr, Oct 1935)	<u>Casse-tete</u>	
	<u>Bayou St. Denis</u> ✓ 1273	196, 1116, USGS, USEngs			
	Bayou Dobre ✓ 1273	<u>Bayou Dosgris</u> ✓ (Chief State Engr, Oct 1935)	Bayou Dobre		
	Bayou Vizia ✓ 1273	<u>Creole Pass</u> (USGS, 1935) H.B.	Bayou Vizia		
	<u>Yankee Canal</u> ✓		Yankee Canal		
	Shell Point ✓ 1273	Map of La. 1871 (S.C.)	<u>Plum Pt</u> ✓ USGS, 1935 H.B.		29° 29.7 90° 09.7
	<u>Golden Meadow Farms</u> ✓		Golden Meadow Farms		
	<u>Bayou Cutler</u> ✓ 1273	USEngs, 1116, 196			29° 30. 90° 01.2 (M 100)

