

5296

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-5296 5296
~~Hydrographic~~

LOCALITY

Bayou La Fouche

Bayou Point au Chien to

Golden Meadow.

1934

CHIEF OF PARTY

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

5296

cut

Applied to Chart 1050 May 1937

Chas. A. Bandy

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

5296

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. 9

REGISTER NO. T-5296 5296

State Louisiana

General locality Bayou La Fouche

Locality Bayou Point au Chien to Golden Meadows

Scale 1:24,000 Date of survey 11/30/32
12/1/32, 19

Vessel 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 H. F. Allen

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-5296

FIELD NO. 9

PHOTOS, NO.	DATE OF PHOTOGRAPHS.	TIME
1855-1862	11/30/32	11:34 to 11:38 A. M.
1877-1887	12/1/32	10:24 to 10:28 A. M.

	BY	DATE
PROJECTION BY	<u><i>E. P. Hernandez</i></u> E. P. Hernandez	<u>3/19/34</u>
PROJECTION CHECKED BY	<u><i>E. L. Fitch</i></u> E. L. Fitch	<u>3/19/34</u>
CONTROL PLOTTED BY	<u><i>E. P. Hernandez</i></u> E. P. Hernandez	<u>3/20/34</u>
CONTROL CHECKED BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>3/21/34</u>
RADIAL LINE PLOT BY	<u><i>M. H. Reese & H. C. Smith</i></u> M. H. Reese & H. C. Smith	<u>3/21-24/34</u>
RADIAL LINE PLOT CHECKED BY	<u><i>E. L. Fitch</i></u> E. L. Fitch	<u>3/26/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>3/26/34</u> <u>4/17/34</u>
PASTING OF NAMES BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>5/22/34</u>
REVIEW OF COMPILATION BY	<u><i>E. L. Fitch</i></u> E. L. Fitch	<u>4/19/34</u>

AREA OF DETAIL INKED- 124.4 sq. Statute Miles.

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

COMPILER'S REPORT.

FOR

PHOTO TOPOGRAPHIC SHEET NO. 9.

GENERAL INFORMATION.

Instructions dated November 7, 1933.

The information used in the compilation of this sheet has been obtained from the notes and sketches on the field photographs; from the reports of Lieutenant E. R. Mc Carthy in charge of a triangulation party located in this area at the time of the compilation, and from members of the field inspection party in questionable areas.

The accompanying "Notes on Compilation" details all data and statistics in connection with the compilation of this sheet.

There is practically no tide in this area, consequently 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 marshy ground, and numerous bayous and small lakes. Practiaally none of the area is under cultivation except along the major bayous as shown by conventional symbols.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens, T-3A camera, No. 32-3, photograph numbers 1855-1862 (West Flight) approximately parallel with Longitude 90°26', and 1877-1887 (East Flight) approximately parallel with Longitude 90°19'15".

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.

The geographic positions obtained by Lieutenant E. R. Mc Carthy, which are on the North American 1927 datum, were used. The difference between the unadjusted and the final adjusted positions would be unplotable at the small scale of this compilation (1:24,000).

(B) Errors.

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

(C) Discrepancies.

The U. S. Geological Transit Traverse station "T. T. 37-L. 1932" differs with the geographic position as determined by radial line plotting as follows:

	<u>"U. S. GEOLOGICAL SURVEY"</u>	<u>"PHOTOGRAPHS."</u>
T. T. 37-L	Latitude 29°29'-380.5m 1466.8m	Latitude 29°29'-385.3m 1462.0m
	Longitude 90°19'-428.3m 1188.0m	Longitude 90°19'-445.4m 1171.0m

Photograph position is shown on the compilation

This station has been shown on the sheet by a circle together with the name. The junction of the detail in this area is satisfactory with the U. S. Geological Survey air photo compilation, S/2 Cut Off, Louisiana, quadrangle 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 strips had a small amount of tilt, however as extreme care was taken in making the radial line plot and in orientating the photographs for tracing the detail, any error that exists would be negligible. The scale of the photographs was constant and no unusual adjustments of plot were necessary.

(C) Interpretation.

To denote mangle brush three or four feet high the symbol used was thus--(ξ); to denote reeds the symbol used was thus--(\ddagger); otherwise only the conventional graphic symbols were used as approved by the "Board of Surveys and Maps" (1932) and no great difficulty was experienced in interpreting the photographic detail.

The double full line was used to indicate bayous and large canals as well as all the better class of roads. The lesser bayous and canals were shown by one solid line depending in weight upon the importance of the feature. The area shown by the east half of this sheet has a large number of small canals (called locally "Pirogue Canals") used for drainage purposes as well as by the trappers and fishermen; these are indicated by solid lines. In most cases (unless labeled on the field inspection prints) the classification of these features had to be determined by a close examination of the photographs.

As no photographs were taken North of Latitude $29^{\circ} 27' 30''$ between Longitude $90^{\circ} 24'$ and $90^{\circ} 30'$, and as this party was furnished with only the "A" and "B" prints of the photographs South to Latitude $29^{\circ} 25' 30''$ (Photos 1860 to 1862 incl.), the area to the North of Latitude $29^{\circ} 26'$ had to be compiled from the "D" print of photograph No. 1859. There were no photographs covering the area between Latitude $29^{\circ} 29'$ to $29^{\circ} 30'$ and Longitude $90^{\circ} 24'$ to $90^{\circ} 30'$, however, there exists only a couple of bayous and intermittent streams in this area and satisfactory junctions were effected with the U. S. Geological Survey air photo compilation sheet of South West $1/4$ "Cut Off, Louisiana.", quadrangle.

(D) Information from other sources.

There was no information derived from sources other than the photographs and reports of the field inspection party except that first above noted. The photographs were clear and it is believed the compilation is exact in all particulars.

(E) Conflicting names.

As this area has never before been charted by the U. S. Coast and Geodetic Survey there exists no conflict in names with previous charts. The names shown were taken for the U. S. Engineers' map of "Southern Louisiana", revised to 1934, the names of bayous and canals from recent editions of the U. S. Geological Survey Maps covering the area to the North of this sheet, from information supplied by the field inspection party, and from progress sketches of triangulation work performed recently in this area by Lieutenant E. R. Mc Carthy. Because of his recent work in this area the latter were given preference where conflict of names arose, as shown below:

"LIEUTENANT E. R. MC CARTHY'S PROGRESS SHEET".	"U.S. GEOLOGICAL SURVEY QUADRANGLE SHEET(LAKE FELICITY)"	"U.S. ENGINEER'S SOUTHERN LOUISIANA"
* "Bayou Point au Chien" ✓	"Bayou du Chien"	"Bayou Pointe aux Chien."
-----	-----	"Cut Off Canal" (used)
"Grand [?] Bayou Canal"	-----	"Toups Canal"
* "Bayou Jean La Croix". <i>See previous report of work.</i>	"St. Jean Charles Bayou"	"St. Jean Charles Bayou"

COMPARISON WITH OTHER SURVEYS.

The junctions with adjoining sheets to the East, South, and West- T-5300, T-5297, and T-5292 respectively, are satisfactory. To the North, at Latitude 29°30', the junctions with the U. S. Geological Survey air-photo compilation of the S/2 "Cut Off, La.;" quadrangle sheet shows the following discrepancies:

<u>"FEATURE"</u>	<u>"PHOTO SHEET"</u>	<u>"U.S. GEOLOGICAL SHEET"</u>
Small Bayou	Longitude 90°15'-1152m	Missing
Small Bayou	Longitude 90°16'-1070m	90°16'-1116m
Canal	Longitude 90°18'-1465m	90°18'-1489m
Canal	Longitude 90°21'-351m	90°21'-367m

From Longitude $90^{\circ}22'$ to Longitude $90^{\circ}25'$ all features check with U. S. Geological Sheet.

From Longitude $90^{\circ}25'$ to Longitude $90^{\circ}30'$, due to missing photos, feature points were taken from U. S. Geological Sheet and features connected to same.

The above discrepancies in the U. S. Geological Survey sheet are no doubt caused by lack of control and errors in radial line plot.

The two "State Highways" along the East and West sides of Bayou La Fourche are shown somewhat exaggerated in order that the shoreline of "Bayou La Fourche" could be accurately shown. This was necessary because at the small scale of the photographs the two would probably close up and appear as a solid blotch when photographed during the photo-lithographic process.

LANDMARKS.

All landmarks in this area, suitable for navigation, have been submitted to the office by the triangulation party of Lieutenant E. R. Mc Carthy recently working in this area.

RECOMMENDATIONS FOR FURTHER SURVEYS.

Except for the area noted above under "Interpretation" 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 data. It is understood that the widths of roads, bridges, canals, and bayous may be slightly expanded, where necessary, in order to keep the detail clear and to keep it from photographing as a solid area 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: E. L. Fitch.

Chief Draftsman

** Expts as noted under (C)*

The accuracy of location of 5 to 10 meters given above is high for work on this scale a better estimate is about 10 meters for interconnected points and 10 to 20 meters for other detail.

B. G. Jones.

REVIEW OF AIR PHOTO COMPILATION 5296 (1934)

Geographic names. Refer to Par. E, page 4 of the descriptive report. See also the attached letter from Reese in regard to his use of triangulation progress sketches as a source of new names.

The name Grand Bayou Blue as submitted by the compilation party and shown on this sheet disagrees with the U.S.G.S. "Lake Felicity" quadrangle which shows the name as Grand Bayou. However, the adjoining quadrangle "Timbalier" shows the extension of this same Bayou as Bayou Blue. The name submitted by Reese, therefore, seems likely to be correct. *and has been is shown on the compilation*

Contrary to the information given on page 4 of the report, the name Bayou Point Au Chien was shown on the compilation as Bayou Au Chien and has been accepted as shown since the word "Point" in the name does not make very good sense. The name Bayou Jean La Croix listed on page 4 of the report was not shown by the compiler on the same Bayou as St. Jean Charles Bayou on G. S. quadrangle "Lake Felicity". Both names are therefore shown on this sheet and there is no conflict as far as can be determined by examination.

This compilation shows considerable change in amount of detail and positions of the lakes and Bayous as compared with the U.S.G.S. quadrangles.

B.G. Jones

U. S. Coast and Geodetic Survey,

16211 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.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5296

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by H. F. Allen

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". *Except as noted below*
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 Desc. 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. *many changes from G.S. Quadrangles.*
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.)
except as noted below
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 ^{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.) *See Review Report attached*
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 attached Review Report*

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

B. Dorden
Chief, Section of Field Work
G. Wade
Chief, Division of
Hydrography and Topography.

GEOGRAPHIC NAMES
Survey No. T5296

Name on Survey	Underlined Names		On previous survey	On U. S. Quad	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	K	US Engrs
	A	B									
<u>Bayou St. Louis</u>	✓	✓	✓	✓							1
<u>St. Louis Canal</u>	✓	✓	✓	✓							2
<u>Grand Bayou Canal</u>	✓	✓	✓	✓							3
<u>Bayou Blue (4)</u>	✓	✓	✓	✓					✓		4
<u>Bayou Lafourche</u>	✓	✓	✓	✓					✓		5
<u>Bayou l'Ourse</u>	✓	✓	✓	✓							6
<u>Bayou Raphael</u>	✓	✓	✓	✓							7
<u>Bayou Bouillon</u>	✓	✓	✓	✓							8
<u>Lake Bully Camp</u>	✓	✓	✓	✓							9
<u>Grand Bayou (3)</u>	✓	✓	✓	✓							10
<u>Breton Canal</u>	✓	✓	✓	✓							11
<u>Bayou Pointe au Chien</u>	✓	✓	✓	✓					Bayou Pointe au Chien		12
<u>Viguerie Canal</u>	✓	✓	✓	✓							13
<u>Bayou St. Jean Charles</u>	✓	✓	✓	✓					St. Jean Charles Bayou		14
<u>Bayou Jean Lacroix</u>	✓	✓	✓	✓							15
<u>Bayou Salle</u>	✓	✓	✓	✓							16
<u>Lake Chemiere</u>	✓	✓	✓	✓							17
<u>Bayou Monnee</u>	✓	✓	✓	✓							18
<u>Yankee Canal</u>	✓	✓	✓	✓							19
<u>Golden Meadow</u>	✓	✓	✓	✓							20
<u>Catfish Lake</u>	✓	✓	✓	✓							21
<u>Grand Bayou Blue</u>	✓	✓	✓	✓					Bayou L' Eau Blue		22
<u>Bayou Fila Fajan</u>	✓	✓	✓	✓							23
<u>Cutoff Canal</u>	✓	✓	✓	✓							24
											25
											26
Names compared with those on USGS Quads in May, 1936. Names added											27