5288

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
~~Hydrographic~~ } *Sheet No.* T-5288 5288

LOCALITY

Lake Penchant.
Carrion Crow Bayou to Bayou
du Large

1934

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1933

5288

EKG

Applied to Chart 1050 May 1937 Chas R Burch Jr

Form 537a
Ed. Nov., 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5288

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. 1

REGISTER NO. T-5288 5288

State Louisiana

General locality Lake Penchant

Locality Carrion Crow Bayou to Bayou de Large

Scale 1:~~24,000~~ 20,000 Date of ~~survey~~ photographs. 11/30/32, 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 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-5288

FIELD NO. 1

PHOTOS, NO.	DATE OF PHOTOGRAPHS.	TIME.
1653-1661	11/30/32	9:57 to 10:02 A. M.
1676-1685	11/30/32	10:08 to 10:13 A. M.

	BY	DATE
PROJECTION BY	E. P. Hernandez E P Hernandez Jr.	3/1/34
PROJECTION CHECKED BY	E. M. Noon	3/1/34
CONTROL PLOTTED BY	H. C. Caulfield H C Caulfield	3/2/34
CONTROL CHECKED BY	M. H. Reese M H Reese	3/3/34
RADIAL LINE PLOT BY	M.H.Reese & E.L.Fitch M H R E L Fitch	3/6-3/10/34
RADIAL LINE PLOT CHECKED BY	M. H. Reese M H Reese	3/12/34
DRAFTING OF PHOTOGRAPHS BY	F. A. Donadieu F. A. Donadieu	3/12-3/29,4/4/34
PASTING OF NAMES BY	F. A. Donadieu	5/21/34
REVIEW OF COMPILATION BY	E. L. Fitch E L Fitch	4/15/34

AREA OF DETAIL INKED- 119.1 sq Statute Miles.

LENGTH OF SHORELINE (more than 100 meters from nearest opposite shore)--- 32.9 Statute Miles.

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. 1

GENERAL INFORMATION.

Instructions date 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 report of Lieutenant (j. g.) E. R. Mc Carthy in charge of a triangulation party located in this area at the time of the compilation; from the U. S. Geological Survey Quadrangel sheet S/2 Gibson, Louisiana Quad; 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.

Because of the very small tide in this area, one foot, and the small scale of the photographs, its affect 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, very little of which is under cultivation.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3 A Camera, No.32-3, photograph numbers-- 1653-1661 (West Flight), approximately parallel with Long. 90°56'45", and 1676-1685 (East Flight), approximately parallel with Longitude 90°48'15".

CONTROL.

(A) Sources.

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

(a) Triangulation by Lieutenant (j.g.) E. R. Mc Carthy in 1933-34.

The geographic positions obtained by Lieutenant E. R. Mc Carthy were used; these are on the North American 1927 Datum. The difference between the unadjusted and the final adjusted positions would be unplottable at the 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.

No discrepancies 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 throughout in the compilation of this sheet.

(B) Adjustment of Plot.

The photographs in these two strips appear to be free of excessive tilt and scale fluctuation and the radial plot required no unusual adjustments.

(C) Interpretation.

To denote mangle brush three or four feet high the symbol used was thus: (ʃ); 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. These are indicated by name on the sheet. The lesser bayous and canals were shown by one solid line depending in weight upon the importance of the feature. 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°28', between Longitude 90°53' and 91°00', this area had to be compiled from the "D" prints to Latitude 29°30', the North limit of the sheet. However it is believed that no error exists as there was no difficulty encountered in the compilation.

All boundaries of shoal water areas (shown by single broken line) on this sheet were so indicated because of appearance on the photographs, and sketches by the field inspection party, and they may be expected to have departure from actual conditions.

(D) Information from other sources.

The only information obtained from other sources than the photographs was the high water line of "Bayou Penchant" from Latitude 29°29'30" to 29°30' between Longitude 90°59' and 91°00', shown by dashed lines. This information was derived from the Triangulation Progress sketch of Lieutenant (j.g.) E. R. Mc Carthy, as no photographs covered this area.

(E) Conflicting Names.

As this area has never before been charted by the

* The large differences noted are no doubt due to errors in the Engineers computation. This computation and computation ~~F 4689~~ 5289 just to the north have two control stations in this immediate vicinity.

B.G.J.

U. S. Coast and Geodetic Survey there exists no conflict in names with previous charts. The names shown were taken from recent editions of U. S. Geological Survey Maps of this locality, from progress sketches of triangulation work performed by Lieutenant (j. g.) E. R. Mc Carthy, and from information supplied by the field inspection party. All names are in current usage by the inhabitants of that particular area. See the Review Report for T 5289 re regarding use of Progress Sketches as a source of New Names. BG Jones.

COMPARISON WITH OTHER SURVEYS.

The junctions with adjoining sheets to the South and East, T-5289 and T-5292 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 Gibson, Louisiana quadrangle sheet shows the following discrepancies:

NAME OF FEATURE	AIR PHOTO SHEET	U.S.G.S. SHEET
Bayou de Large	Location same on both sheets.	
Minors Canal	Latitude 29°30'00" Longitude 90°47'-1294m	29°30'00" 94°47'-1323m
Mauvais Bois Bayou	Latitude 29°30'00" Longitude 90°50'-610m	29°30'00" 90°50'-561m
Bayou (small)	Latitude 29°30'00" Longitude 90°51'-179m	29°30'00" 90°51'-163m
Bayou ~~Sopasaw~~	Latitude 29°30'00" Longitude 90°57'-463m	29°30'00" 90°57'-544m
Bayou Penchant	Does not join because of lack of photos, (note on U. S. Geological Survey ~~Sheet~~).	

To the West, at Longitude 91°00', the junction with the War Department, Corps of Engineers, Lake Decade Quadrangle sheet, issue of 1932, shows the following discrepancies:

NAME OF FEATURE.	AIR PHOTO SHEET	LAKE DECADE QUAD.
Lovell Canal	(On Sheet T-5289) Latitude 29°22'-743m Longitude 91°00'00"	 29°22'-1685m 91°00'00"
Carrion Crow Bayou	Latitude 29°23'-1399m Longitude 91°00'00"	29°23'-448m 91°00'00"
Carrion Crow Bayou	Latitude 29°24'-831m Longitude 91°00'00"	29°24'-1760m 91°00'00"
A small Bayou	Latitude 29°25'-1419m Longitude 91°00'00"	Not shown
Bayou	Latitude 29°28'-436m Longitude 91°00'00"	29°28'-530m 91°00'00"

*See offsheet page.

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

State Highway No. 247, along the East side of Bayou de Large, is shown somewhat exaggerated in order that the shore line of Bayou de Large could be accurately shown. This was necessary because at the small scale of the photographs the two features would probably close up and appear as a solid blotch when photographed during the photo-lithographic process.

LANDMARKS.

A list of land marks in this area has been submitted by the party of Lieutenant (j. g.) E. R. Mc Carthy, recently engaged in triangulation work in this area.

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 charting and of 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 details of importance for charting purposes, within the accuracy stated above, and no additional surveys are required.

* The value of 5 to 10 meters given above is high for work on this scale. A better estimate is an accuracy of location of about 10 meters for intersected points and 10 to 20 meters for other detail. This value may be exceeded somewhat in the area west of 90° 56' and north of 29° 28'

E. L. Fitch

Submitted by: E. L. Fitch
Chief Draftsman.

M H Reese B.G.J.

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

The marsh lines on this are from stack sheets. The experiment has not been a very satisfactory one, and it is not known how this sheet will look when photographed. MSHR

* The accurate location of the detail north of 27-27.5' and west of 90-53 is subject to question as it was traced from one print, and extreme edges of the wing prints. MSHR

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5288

Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese Compiled by F. A. Donadieu.

Project Air Photo Compilation, Louisiana, Party No. 24 Instructions dated Nov.7, 1933.

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. None 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. No chart of this area.

8. The span, draw and clearance of bridges are shown. (Par. 16c.) No data given for the small bridges shown

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.

M-10

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 established

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.
See page 4 of the report

16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.)

17. The quality of the drafting is ~~good~~ poor. (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: No other topographic surveys by this Bureau in this area. This compilation shows considerable change from the U.S.G.S. Quadrangles which are old.

Reviewed in office by: B. G. Jones

Examined and approved:

K. T. Adams
Chief, Section of Field Records

F. S. Borden
Chief, Section of Field Work

L. O. Colbert
Chief, Division of Charts

G. Rude
Chief, Division of Hydrography and Topography.

M-10

Survey No. T 5288 H

GEOGRAPHIC NAMES

Date. Dec 29, 1934

Chart No. 1116 and 1116

Names underlined in red approved Dec 29, 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.

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

Names accepted as reported by Survey party except Bayou de Large now--du

Revisions and corrections from U.S.G.S. 1935 HB.

Status	Name on Survey	Name on Chart or other Maps	New Names in local use	Names assigned by Field	Location
	Theriot ✓	1116. USEngrs			
	Bayou ~~de~~ Large (du)	* DGN USEngrs + 1116, USGS	~~Little Bayou de Large~~	See Let. 818 1934	✓
	~~Morman Canal~~	Note change of spelling ✓	Morman Canal	Marmande Canal From USGS. 1935	
	Lake Theriot ✓	1116 and USEngrs	Same		
	Minors Canal ✓	U.S.Engrs.	Same		
	Mauvais Bois Bayou	U.S.Engrs	Change to Bayou Mauvais Bois correct French	Larger lettering	
	Lake de Cade ✓	1116, USGS + USEngrs			
	Bayou de Cade ✓	1116, USGS & USEngrs			
	Bayou Copasaw ✓	Copassaw USEngrs	Same	Note change of location from U.S.GS 1935	
	Lake Penchant ✓	L. Allen 1116 L. Penchant USEngrs			
	Jug Lake ✓	USEngrs	Same		
	Bayou Penchant ✓	1116, USEngrs			
	Carrion Crow Bayou ✓	Carrioncrow 198 Carrion Crow USEngrs	Refer to La. State Engrs	Carencro Bayou U.S.G.S. 1935	
	Thibodaux Canal ✓	U.S.G.S. 1935	Same		
	Flagout Canal ? ✓	U.S.G.S. 1935. Falgout on C+GS			
	Flagout Canal Bayou?	USGS. 1935. Falgout on C+GS			
	Beco Canal (2) ✓	USGS., 1935. Looks more like a designation than a name. Billiot			
	Little Carrion Crow Bayou	Little Carencro Bayou USGS 1935		US Engrs, "Lake Decade" give Carrion Crow	
	Brady Canal ✓	U.S.G.S. 1935	✓		
	Bayou la Luth Louise ✓	USGS., 1935	✓		
	Turtle Bayou ✓	U.S.G.S., 1935	✓		
	Small Bayou (2) ✓	U.S.G.S. 1935	Descriptive designation, not a name.		

(M 100)