

5315

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-5315

LOCALITY

Bayou La Loutre

Bayou Terre aux Boeufs to

Lagoon Jireaux

Sketching on board

1934

CHIEF OF PARTY

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

5315

1
Applied to Chas. 1271 - Nov. 1937 - J. S. Bunker

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5315

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. 28

REGISTER NO. T-5315

State Louisiana

General locality Bayou La Loutre

Locality Bayou Terre aux Boeufs to Lagoon Jireaux

Scale ~~1:24,000~~ ^{20,000} Photographs: 12/1/32
Date of ~~survey~~ 12/2/32, 19

~~Vessel~~ 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 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 a scale of 1:24,000 and enlarged and

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

- NOTES ON COMPILATION -

SHEET NO. T-5315

FIELD NO. 28

PHOTOS, NOS.	DATE OF PHOTOGRAPHS	TIME
554-563	12/1/32	11:33 to 11:38 A. M.
655-665	12/2/32	10:54 to 10:59 A. M.

	BY	DATE
PROJECTION BY	<u>E. P. Hernandez</u> <i>E. P. Hernandez</i>	<u>4/28/34</u>
PROJECTION CHECKED BY	<u>E. L. Fitch</u> <i>E. L. Fitch</i>	<u>4/28/34</u>
CONTROL PLOTTED BY	<u>John Gidiere</u> <i>John Gidiere</i>	<u>4/30/34</u>
CONTROL CHECKED BY	<u>J. C. Dobler</u> <i>J. C. Dobler</i>	<u>4/30/34</u>
RADIAL LINE PLOT BY	<u>H. C. Smith</u> <i>H. C. Smith</i>	<u>5/7-8/34</u>
RADIAL LINE PLOT CHECKED BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>5/17/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>5/17/34 to 6/6/34</u>
PASTING OF NAMES	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>6/8/34</u>
REVIEW OF COMPILATION BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu M. A. Peere</i>	<u>6/7/34</u>

AREA OF DETAIL INKED-- 112.6 sq. Statute Miles.

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

- COMPILER'S REPORT -

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 28

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in this compilation was obtained from the notes and sketches made on the field photographs by the field inspection party; from the reports of Lieut. E. R. Mc Carthy and Lieut. W. H. Bainbridge, 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.

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

There is practically no tide in the streams and lakes appearing on this sheet, except in Lake Borgne, where the tide is approximately one foot. At the scale of this compilation any variation in shore line could not be determined nor traced.

The area covered by this sheet consists principally of low marsh ground, numerous bayous, and shallow lakes and ponds. A very small area along Bayou la Loutre and Highway #32 is under cultivation.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3; photograph numbers 554-563 (West Flight) and 655-665 (East Flight). The line of flight on the West is approximately along Longitude $89^{\circ}41'15''$ and on the East approximately along Longitude $89^{\circ}34'30''$.

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.

Insufficient control at Latitude $29^{\circ}52'$ and Longitude $89^{\circ}40'30''$, and station Oil Derrick,* Shell Beach, 1934

being questionable,* necessitated some supplementary control work by this party. A point on a pier at Shell Beach was located by a three point fix which fitted in accurately with the remainder of the control on this sheet. This three-point fix is not marked and is not indicated on the sheet.

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 defined intersections.

* Means that Δ oil Derrick was not identified on the photographs. This derrick was probably built after the photos. were taken. The pier leading out to the derrick was built after the photos were taken.
See Page 3.
Bgg

(C) Discrepancies:

No discrepancy in position of control stations was found. No control stations established by organizations, other than mentioned under "Sources" of Control, were used in this compilation.

COMPILATION:

(A) Method:

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

(B) Adjustment of Plot:

The photographs used for compiling this sheet were free from excessive tilt. "A" prints of photographs 654 to 665 were very dim and to trace the area between Longitude 89°30' and 89°32', and Latitude 29°45' and 29°52'30" photograph numbers 861 to 872 from the adjacent flight had to be used. Minor details in the area between Longitude 89°40' and 89°40'30" and Latitude 29°46' to 29°47' were covered with smoke on the "A" and "B" prints of photo No. 556, so the detail had to be traced from the adjacent pictures.

(C) Interpretation:

To denote mangle brush three or four feet high, the following symbol was used: ({). To denote reeds the symbol (: :) was used.

All other symbols used were the conventional symbols approved by the Board of Surveys and Maps (1932). No difficulty was experienced in interpreting the detail from photographs except as mentioned in section B of "Compilation".

To indicate bayous, large canals and good roads, the double full line was used. The lesser bayous and canals were indicated with a single solid line. In the area between Longitude 89°40' to 89°41' and Latitude 29°51' and 29°51'45" the Louisiana Southern R. R. is so close to the western bank of the canal that the R. R. only is shown, to avoid having the two lines too near each other and photographing as a solid line.

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

(D) Information from Other Sources:

The dock which appears from the shore to the oil derrick in Lake Borgne near Shell Beach was located on field photographs by the field inspection party, because it was built since the photographs were taken.

There were no sources of information other than the field photographs and reports of Lieut. E. R. Mc Carthy and Lieut. W. H. Bainbridge.

Names: Names agree with the charts. Only two new names are shown, Hopedale Lagoon and Bayou Yelostey. These new names are reported in local use and are shown on the compilation.

B.G.J.

Landmarks The oil Derrick a near Shell Beach was not recommended as a landmark probably because it is only temporary.

B.G.J.

(E) Conflicting Names:

The names shown on this sheet were obtained from ¹²⁷¹ U. S. Coast and Geodetic Survey Charts and from progress ¹²⁷⁰ sketches of the triangulation parties. ¹²⁶⁸

All names are in current use and no conflict of these names exist. * *see opposite page.*

COMPARISON WITH OTHER SURVEYS:

This sheet matches satisfactorily with the adjoining sheets to the North, South, East and West, T-5314, T-5316, T-5323 and T-5307, respectively.

In comparing this sheet with charts Nos. 1270 and 1271 of the U. S. Coast and Geodetic Survey, it may be noticed that the main features are similar but a lack of detail on the charts and the difference of scale makes close or accurate comparison impossible.

LANDMARKS:

There were no landmarks recommended by the field inspection party, for charting purposes, in this area. *see opposite page*

RECOMMENDATIONS FOR FURTHER SURVEYS:

It is believed that an error of five meters may exist in the compilation of this sheet in well defined detail, of value for charting, and an error of ten meters in other detail. * *See Below*

It is understood that roads, canals, and bayous have been slightly exaggerated in order that detail may show up clearly and not become a solid blotch during 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.

F. A. Donadiou
Submitted by: F. A. Donadiou,
Draftsman

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

* There was a sufficient control but the accuracy of 8 to 10 meters is too high. Assuming careful plotting a better estimate is about 10 meters for intersected points and 10 to 25 meters for other detail.

B. G. J.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5315

Title (Par. 56) Forwarded with sheet.

Chief of Party M.H. Reese

Compiled by F. A. Donadieu

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. *See below.
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.

* Comparison with the last previous topographic surveys T 628 and T 629 (1859) shows the whole line of Lake Borgne to be 100 to 175 meters north of the position on the old surveys. Very little of the interior detail is shown on the old surveys. This compilation is adequate to improve the old surveys for the area covered. B.G. 4.

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, 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 Page 4*
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:

K. T. Adams
 Chief, Section of Field Records

L. O. Pollock
 Chief, Division of Charts

F. L. Borden

Chief, Section of Field Work

G. H. ...
 Chief, Division of
 Hydrography and Topography.

GEOGRAPHIC NAMES

Date. Jan. 10, 1935.

Chart No. 1268, 1270, 1271

GN Standard 1271
GN Standard 1270

Diagram No. 1270, 1271, 1116

Names approved Jan. 11, 1935.

Harlow Bacon

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

⊕ Not Approved by the Division of Geographic Names, Department of Interior. *Additions and corrections from U.S. G.S. surveys of 1935. (Advance sheets) H.B.*

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

Status	Name on Survey	Name on Chart or other Maps	New Names in local use	Names assigned by Field	Location
	<u>Hopedale</u> ✓	1271 U.S.G.S.		Same	
	<u>Shell Beach</u> ✓	1271 Official Guide Railways, 1934; U.S.G.S.			
	<u>Florissant</u> ✓	1271 Official Guide Railways, 1934; U.S.G.S.			
	<u>Ycloskey</u> ✓	1271 U.S.G.S.			
	<u>Bayou Ycloskey</u> ✓			Same	
	<u>Hopedale Lagoon</u> ✓	U.S. Eng.		Same	
	<u>Bayou Terre aux Boeufs</u> ✓	1271 U.S.G.S. Bayou Terre aux Boeuf			<i>Should be plural</i>
	<u>Lake Amede</u> ✓	1271 U.S.G.S. ①			
	<u>Bayou Jean Louis Robin</u> ✓	1271 U.S.G.S. ①			
	<u>Lake Jean Louis Robin</u> ✓	1271 U.S.G.S. ①			
	<u>Lake Borgne</u> ✓	1271 T-629 and all other survey sheets; U.S.G.S.			
	<u>Bayou la Loutre</u> ✓ (2)	1271 U.S.G.S. ①			
	<u>Lagoon Brady</u> ✓	1271 U.S.G.S. ①			<i>USGS Survey of 1935</i>
	<u>Lagoon Jireaux</u> ✓	1270 U.S.G.S. ①			<i>Jereaux on Jireaux OK, 1936 USGS Survey 1935</i>
	East Branch Bayou St. Malo ✓ <i>Omit. H.B.</i>	1271 U.S.G.S.			<i>Not on this sheet Bayou St Malo from U.S.G.S. surveys of 1935 H.B. Nov. 9, 1935</i>
	<u>Alluvian</u> ✓	1270; U.S. Eng. ; St. Bernard's Parish			<i>Map showing alluvial lands owned and controlled by Louisiana Alluvial Lands Co., etc., 1912?</i>
	<u>Lake Coquille</u> ✓	1271; U.S.G.S.; U.S. Eng.			
	<u>Proctors Landing</u> ✓	U.S. Eng.			
	Solis Lagoon ✓ <i>Omit. Replaced by Bayou Muscelini</i>	U.S.G.S. ① <i>St. Bernard's Parish Map symbol</i>			<i>Lat. 29° 51' 30" Long 89° 33' 50"</i>
	<u>Bayou Muscelini</u> ✓	<i>Not Solis Lagoon</i>			<i>USGS Survey of 1935</i>
	<u>Reggio Canal</u> ✓				<i>29° 52' 89° 34'</i>
	<u>Jacks Canal</u> ✓				<i>29° 48' 89° 44'</i>
					<i>29° 48' 89° 45'</i>

Date Nov. 9, 1935

GEOGRAPHIC NAMES

Survey No. T 5315Chart No. 1268, 12709, 1271

Diagram No. _____

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

⊘ Not Approved by the Division of Geographic Names, Department of Interior. *Additions & corrections*R, Referred to the Division of Geographic Names, Department of Interior. *from U.S.G.S. surveys of 1935 (advance sheets) H.B. Nov 9, 1935**Underlined names approved Nov. 9, 1935*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Bayou Juanica</u> ✓		USGS Survey of 1935		29° 47' 89° 44'
	<u>Bayou Grosbeak</u> ✓	Grosbeak OK. USGS Jan 1936	"		29° 46' 89° 43'
	<u>Couchon Bay</u> ✓		"		29° 46' 89° 43'
	<u>Bayou la Chape</u> ✓		"		29° 48' 89° 43'
	<u>Crooked Bayou</u> ✓		"		29° 48' 89° 41'
	<u>Middle Bayou</u> ✓		"		29° 47' 89° 40'
	<u>Bayou Catilana</u> ✓		"		29° 48' 89° 39'
	<u>Bayou Batola</u> ✓		"		29° 45' 89° 40'
	<u>Bayou Batola Bay</u> ✓		"		29° 46' 89° 39'
	<u>Oyster Bay</u> ✓		"		29° 47' 89° 38'
	<u>East Bayou</u> ✓		"		29° 47' 89° 38'
	✓ <u>Bayou Bernard</u> ✓		"		29° 47' 89° 26'
	<u>Bayou Alphonse</u> ✓		"		29° 51' 89° 35'
	✓ <u>Bayou Pisana</u> ✓		"		29° 46' 89° 33'
	✓ <u>Pisana Lagoon</u> ✓		"		29° 46' 89° 32'
	✓ <u>Bayou Pointe-en-Pointe</u> ✓		"		29° 48' 89° 31'
	<u>Halfmoon Pass Bay</u> ✓		"		29° 49' 89° 31'
	<u>Bakers Canal (2)</u> ✓		"		29° 50' 89° 31'
	<u>Engineers Canal</u> ✓		"		29° 51' 89° 31'
	<u>Fort Bayou</u>		"		