

5308

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Photo
Topographic
~~Hydrographic~~

Sheet No. 21.

State Mississippi

LOCALITY

Mississippi River

Myrtle Grove to Bayou Long

1934

CHIEF OF PARTY

M. H. Reese.

5308

Applied to Cht. 1050 May 1937 Chan. R. Smith
" " " 1271 Dec 1937 H.S.B.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. 21

REGISTER NO. T-5308

State Louisiana

General locality Mississippi River.

Locality Myrtle Grove ~~to Bayou Long~~ to Bayou Long

Scale $\frac{1:20,000}{1:24,000}$ photographs 12/21/32, 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 a scale of 1:24,000 and enlarged and printed on scale of 1:20,000 by Photo-Lithography.

- NOTES ON COMPILATION -

SHEET NO. T-5308

FIELD NO. 21

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
333-341	12/21/32	11:08 to 11:12 A. M.
441-451	12/21/32	10:30 to 10:35 A. M.

	BY	DATE
PROJECTION BY	<u><i>E. P. Hernandez</i></u> E. P. Hernandez	<u>4/20/34</u>
PROJECTION CHECKED BY	<u><i>H. C. Smith & G. O. Coignet</i></u> H. C. Smith & G. O. Coignet	<u>4/20/34</u>
CONTROL PLOTTED BY	<u><i>F. A. Donadieu</i></u> F. A. Donadieu	<u>4/24/34</u>
CONTROL CHECKED BY	<u>J. A. Peterson</u>	<u>4/24/34</u>
RADIAL LINE PLOT BY	<u>F. T. Clarke</u>	<u>4/25 to 5/6/34</u>
RADIAL LINE PLOT CHECKED BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>5/8/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>5/8-22/34</u>
PASTING OF NAMES BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>5/25/34</u>
REVIEW OF COMPILATION BY	<u><i>H. F. Allen</i></u> H. F. Allen	<u>5/24/34</u>

AREA OF DETAIL INKED-- 97.8 sq. Statute Miles.

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

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 21

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 Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge; from the reports of Lieut. C. I. Aslakson; who were 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.

The area covered by this sheet consists principally of low marsh ground, except along the Mississippi River, where are found numerous cultivated areas and pastures.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3, photograph numbers 331-341 (West Flight) approximately parallel with Longitude 89°55'45" and 441-451 (East Flight) approximately parallel with Longitude 89°48'.

CONTROL:

(A) Sources:

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

(a) Triangulation by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge in 1933-34.

(b) Triangulation by Lieut. C. I. Aslakson in 1934.

The geographic positions obtained by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge, and those of Lieut. C. I. Aslakson were used, these are on the North American 1927 Datum. The difference between the unadjusted and the final adjusted position would be unplotable 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:

The U. S. Geological Survey Transit Traverse Stations, T.T.-10-L, T.T.-12-L, T. T.-13-L, and T.T.-14-L, shown by a circle three millimeters in diameter, were located by the radial line plot because of discrepancies in the Geographic positions obtained by the Geological Survey. Two of these stations along the Traverse, T.T.-7-L, and T.T.-11-L, the latter falling on this sheet and shown by the conventional triangulation station symbol, were located by Lieut. C. I. Aslakson, 1934, and their geographic positions computed in accordance with the triangulation executed by Lieut. Aslakson on the North American 1927 datum. From the difference between

the U. S. Geological Survey positions of these stations, and the positions obtained by Lieut. C. I. Aslakson, a factor was determined which when applied to the other stations along this traverse changed them to coincide to the Coast Survey triangulation. Plotting these positions (after the factor had been applied) checked fairly accurately with the positions as located by the radial line plot previously executed.* The radial line plot positions, the positions after the above mentioned factor was applied, and the U. S. Geological Survey positions of these stations follow for contrast.

STATION	LATITUDE AND LONGITUDE	1	2	3
		U.S. GEOLOGICAL SURVEY POSITION (Degrees & Minutes)	COAST SURVEY POSITION AFTER APPLYING FACTOR The Same For All Positions	RADIAL LINE PLOT POSITION
T.T.-10-L	Lat.-29°39' Long.-89°58'	1460.1 m 868.7 m	1456.5 m 854.1 m	1450.5 m ^{-6.0} 857.8 m ^{+3.7}
T.T.-12-L	Lat.-29°39' Long.-89°57'	1269.8 m 378.2 m	1266.1 m 363.5 m	1263.2 m ^{-2.9} 361.4 m ^{-2.1}
T.T.-13-L	Lat.-29°41' Long.-89°58'	1406.4 m 270.2 m	1402.8 m 255.5 m	1397.4 m ^{-5.4} 253.2 m ^{-2.3}
T.T.-14-L	Lat.-29°44' Long.-89°59'	569.6 m 1267.9 m	566.0 m 1253.2 m	566.6 m ^{+4.6} 1250.5 m ^{-3.7}

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 used in this compilation appear to be free of excessive tilt and scale fluctuations and the radial line plot required no unusual adjustment.

* Comparison between the computed positions and the positions by the photo plot gave a good check on the plot and shows an accuracy of location within .25 mm on the 1:50,000 compilation for intersected points in that area. B. J. Jones.

Names Names agree with chart 1271. Two
new names are shown on the compilation,
Spanish Lake and Alligator Pass. These
are reported as in local use. List of
new names has been sent to Mr. Dixon

B.G. Jones

(C) Interpretation:

To denote brush three or four feet high, the symbol used was thus: (?); otherwise, 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 details.

The double full line was used to indicate bayous and large canals as well as all the better classes of roads. These are indicated by names on the sheet. The lesser bayous were shown by one solid line depending on the importance for its weight. Poor roads and indefinite shore lines were shown by a dashed line. 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. ~~Landmarks are shown by a circle three millimeters in diameter.~~

(D) Information From Other Sources:

There was no information derived from sources other than the photographs and reports of the field inspection party.

(E) Conflicting Names:

The names of the main features shown on this sheet were taken from U. S. Coast and Geodetic Survey Chart No. 1271 and the U. S. Engineers' Map of Southern Louisiana.

The names shown are in current usage by the inhabitants of that area and as far as can be ascertained no conflict in names exists. *See opposite page.*

COMPARISON WITH OTHER SURVEYS:

The junction with adjoining sheets to the North, East, and South, Nos: T-5307, T-5316, and T-5309 respectively, are satisfactory.

In comparing this sheet with the U. S. Geological Survey Compilation of N/2 Barataria Quadrangle at Longitude 90°, the following differences were noted at the junction of the sheets:

FEATURE	U. S. COAST AND GEODETIC SURVEY.	U. S. GEOLOGICAL SURVEY.
Railroad	29°44' - 1174.4 m	29°44' - 1223.0 m
Mississippi River- West Bank	29°43' - 1588.2 m	29°43' - 1523.6 m

The above differences amount to actually about 35 meters in an N. E. - S. W. direction. It is not known what control the U. S. G. S. used but their compilations were probably made prior to the 1933 and 1934 triangulation in this area. B.G.G.

In comparing this sheet with the U. S. Coast and Geodetic Survey Chart No. 1271 it is noted that the larger features have remained the same with noticeable changes, of a small nature, in the marsh areas.

LANDMARKS:

See Below

The list of land marks as recommended by the field inspection party is submitted on form No. 567 for the area covered by this project.

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 ten meters for other data. It is understood that the width 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. *See below.*

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.

A. F. Allen
Submitted by: H. F. Allen,
Draftsman

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

Comparison with T 1258 (1872) shows numerous changes in detail along the river. The compilation shows considerable additional ~~old~~ features constructed since 1872 and is adequate to supersede the old survey

The accuracy of location given above is high for the eastern half of this compilation East of longitude 89° 52' a better estimate is an accuracy of location of about 10 meters for intersected points and 10 to 20 meters for other detail.

B. G. Jones

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

New Orleans, Louisiana.

May 25, 1934.

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

M. H. Reese

~~Chief of Party.~~

[illegible]

A list of objects carefully selected because of their value as landmarks as determined from seaward together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5308

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".
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 4 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. 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 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.)
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.
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. Labatt
Chief, Division of Charts

B. B. Borden
Chief, Section of Field Work
G. H. de
Chief, Division of
Hydrography and Topography.

Survey No. T-5308

GEOGRAPHIC NAMES

Date. January 8, 1935Chart No. 1271Diagram No. 1271 METRIC SURVEY
LIBRARY AND ARCHIVES

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

C, Not Approved by the Division of Geographic Names, Department of Interior.

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

FEB 9 1935

Underlined names approvedFinal revision of names Nov. 6, 1935. H. Bacon

Acc. No. _____

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Bayou Gentilly</u> //				
	<u>Bayou Long</u> ✓ //				
	<u>Alligator Pass</u> //				
	<u>Belair</u> ✓ //				
	<u>Mississippi River</u> //				
	La Grange ✓ //				
	<u>Naomi</u> ✓ //				
	<u>Spanish Lake</u> ✓ //				
	<u>Grand Lake</u> //				
	<u>River Aux Chenes</u> //				
	<u>Carlisle</u> ✓ //				
	<u>Alliance</u> ✓ //				
	<u>Reusite</u> //				
	Lessep Bayou //				
	<u>Monsecour</u> ✓ //				
	<u>St^e Rosalie</u> ✓ Ste. OK. 1936				
	<u>Ironton</u> //				
	<u>Poverty Point</u> ✓ //				
	<u>Phoenix</u> //				
	<u>Myrtle Grove</u> //				
	<u>Petit Lake</u> //				
	<u>Burbridge</u> //				

La Grange on U.S.G.S. 1935. is correct.

Farm

Bayou Garelle on U.S.G.S. Survey, 1935 is accepted H.B.

not Lake Petit.

Near Carlisle

H.L.F.

(M 100)

Date Nov. 6, 1935 GEOGRAPHIC NAMES

Survey No. T 5308

Chart No. 1271

Diagram No. 1271

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

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

Under investigation. Q Underlined names approved Nov. 6, 1935.

Names revised from advanced sheets sent by W.B. & S. H. Bacon

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Timber Canal</u> ✓	U.S.G.S., Survey, 1935	(N.E. & NW	Pointe a la	Hache Quad)
	(Myrtle Grove Canal) ✓	" not approved.	"		
	<u>Belair Canal</u> ✓	" " "			
	<u>Cheniere Traverse Bayou</u> ✓	" " "			
	<u>Fairview Canal</u> ✓	" " "			
	<u>Jim Williams Canal</u> ✓	" " "			
	<u>Joe Gravelot Canal</u> ✓	" " "			
	<u>Shoyots Canal</u> ✓	" " "			
	<u>Horse Power Canal</u> ✓	" " "			
	<u>Bayou Carrion Crow</u> ✓	" " "			
	<u>Sun Bayou</u> ① ✓	" " "			
	<u>Shell Bayou</u> ✓	" " "			
	<u>Caskett Bayou</u> ✓	" " "			
	<u>Bayou La Croix</u> ✓	" " "			
	<u>Back Levee Canal</u> ✓	" " "			
	<u>Bayou Canard Gris</u> ✓	" " "			
	<u>Sun Bayou</u> ② ✓	" " "		Outlet to Sun Lagoon	
	<u>Sun Lagoon</u> ✓	" " "			
	<u>Orange Bayou</u> ✓	" " "			
	<u>Little Lake Batola</u> ✓	" " "			
	<u>Shrimp Lagoon</u> ✓	" " "			
	<u>The Gareek</u> ✓	" " "			

