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SUPPLEMENTAL T

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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-5317 5317

LOCALITY

Mississippi River

~~American Bay~~

Mississippi River to

Breton Sound.

1934

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1923

5317

SUPPLEMENTAL T

applied to Oct 1272 April 1935 - J.H.O. Sander
" " " 1271 Dec 1937 - O.H.G.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5317

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. 30

REGISTER NO. T-5317

5317

State Louisiana

General locality ~~American Bay~~ Mississippi River

Locality Mississippi River to Breton Sound.

Scale ~~1:24,000~~ 1:20,000 Photographs: 12/21/32
Date of ~~survey~~ 12/2/32, 19

~~Wessex~~ Air Photo Compilation Party No. 24, New Orleans, La.

Chief of party M. H. Reese

Surveyed by See data sheet in descriptive report.

Inked by A. A. Voss

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-5317

FIELD NO. 30

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
520-529	12/21/32	10:08 to 10:12 A. M.
676-686	12/2/32	11:04 to 11:09 A. M.

	BY	DATE
PROJECTION BY	<u>E. P. Hernandez</u> <i>E. P. Hernandez</i>	<u>4/20/34</u>
PROJECTION CHECKED BY	<u>H. C. Smith</u> <i>H. C. Smith</i>	<u>4/20/34</u>
CONTROL PLOTTED BY	<u>H. C. Smith</u> <i>H. C. Smith</i>	<u>4/23/34</u>
CONTROL CHECKED BY	<u>F. A. Donadieu</u> <i>F. A. Donadieu</i>	<u>4/23/34</u>
RADIAL LINE PLOT BY	<u>H. C. Smith</u> <i>H. C. Smith</i>	<u>4/24-25/34</u>
RADIAL LINE PLOT CHECKED BY	<u>A. A. Voss</u> <i>A. A. Voss</i>	<u>4/27/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>A. A. Voss</u> <i>A. A. Voss</i>	<u>4/27 to 5/14/34</u>
PASTING OF NAMES BY	<u>A. A. Voss</u> <i>A. A. Voss</i>	<u>5/28/34</u>
REVIEW OF COMPILATION BY	<u>A. A. Voss</u> <i>A. A. Voss, M. A. Voss</i>	<u>5/15/34</u>

AREA OF DETAIL INKED-- 37.9 sq. Statute Miles.

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

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 30.

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet was 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" gives all data and statistics in connection with the compilation of this sheet.

Because of the very small tide, (1 foot), and the small scale of the photographs, 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 marsh ground, numerous small bayous, lakes and ponds, several large bayous, the Mississippi River, along the banks of which some of the ground is under cultivation, and several bays.

This sheet was compiled from the photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3, photograph numbers, 520-529 (West Flight) and 676-686 (East Flight). The line of flight on the West falls approximately along Longitude $89^{\circ}40'40''$ and on the East approximately along Longitude $89^{\circ}34'40''$.

CONTROL:

(A) Sources.

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

(a) Triangulation by Lieutenant E. R. Mc Carthy-1934.

(b) Triangulation by Lieutenant C. I. Aslakson-1934.

The geographic positions are on the North American 1927 Datum and the difference between the unadjusted and the final adjusted positions, at the scale of this compilation (1:24,000), would be unplotable.

(B) Errors:

The available control for this sheet is adequate and the radial line plot gave well defined points of intersection.

(C) Discrepancies:

No discrepancy 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 method of radial line plotting was used throughout in the compilation of this sheet.

(B) Adjustment of Plot:

The photographs on the West Flight were free from excessive tilt with the exception of photograph No. 526 which was discarded, and adjacent photographs used. The photographs on the East Flight were free of excessive tilt and none were discarded.

There was no unusual adjustments of radial plot in the drafting of the photographs.

(C) Interpretation:

To denote mangle brush three or four feet high, the following symbol was used: ({) *not used on this compilation*

Aside from this, only the conventional symbols as approved by the Board of Surveys and Maps (1932) were used and no great difficulty was experienced in interpreting the detail from the photographs.

To indicate bayous, large canals and good roads, the double full line was used.

The lesser bayous and canals, too narrow to be shown by double lines, were indicated with a single solid line.

The road along the West bank of the Mississippi River is shown somewhat exaggerated in order that the rail-road and levee paralleling it may be shown.

The houses which appear have also been slightly exaggerated for clearness but the centers are accurate for hydrographic purposes.

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

(D) Information from Other Sources:

There were no other sources of information for this sheet other than that obtained from the photographs, from the field inspection party and from the reports of Lieutenant E. R. Mc Carthy.

(E) Conflicting Names:

The names shown on this sheet have been taken from U. S. Coast and Geodetic Survey Chart No. 1271, from progress sketches of triangulation work performed by Lieutenant E. R. Mc Carthy and from information supplied by the field inspection party. All names are in current usage by the inhabitants of this particular area and no conflict of names exist.

Names agree with chart 1271. New names are shown on the compilation as follows:

Bel La Pass, American Bay, and Telegraph Pt.

Since these names are reported to be in local use they are shown pending Mr. Bacon's decision B.G.4.

Comparison of this compilation with T 1098a (1869) shows large changes in this area. Sections of the larger islands and points and a number of small islands have disappeared throughout this area. Only the larger features are still about the same. The compilation is adequate to supersede the old survey.

The accuracy of location of 5 to 10 meters given on the opposite page is too high for work on this scale. A better estimate is about 10 meters for intersected points and 10 to 20 meters for other detail.

B.G. Jones

COMPARISON WITH OTHER SURVEYS:

This sheet matches satisfactorily with the adjoining sheets to the North, South and West- T-5316, T-5318, and T-5309 respectively. To the East the entire match line, Longitude $89^{\circ}30'$, traverses open water only.

In comparing this sheet with the section covered by U. S. Coast and Geodetic Survey Chart No. 1271, it is to be noted that the main features have maintained their similarity, however, because of the difference in scales it is impossible to make an accurate comparison. *See opposite page*

LANDMARKS:

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

RECOMMENDATIONS FOR FURTHER SURVEYS:

It is believed that an error of five meters may occur in the compilation of this sheet in well defined detail and an error of ten meters for other data. It is understood however, that the widths of roads, canals, and bayous, where necessary, have been slightly exaggerated in order that the detail may show up clearly in the photo-lithographic process. *See opposite page*

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. A. Voss
Submitted by: A. A. Voss,
Draftsman

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

~~New Orleans, Louisiana.~~

May 15, 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.

U. S. GOVERNMENT PRINTING OFFICE: 1932

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5317

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by A. A. Voss

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 Page 4*
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 *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.) *Page 3*
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. Polouit
 Chief, Division of Charts

B. D. Dorden
 Chief, Section of Field Work
G. W. Hulse
 Chief, Division of
 Hydrography and Topography.

Date Nov. 8, 1935 GEOGRAPHIC NAMES

Survey No. T 5317

Chart No. 1270, 1271 & 1272

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 Underlined names approved Nov. 8, 1935. H. Bacon
New names obtained from advance sheets by U.S.G.S. in 1935

Status	Name on Survey	Name on Chart	New Names in local use From Survey by USGS in 1935	Names assigned by Field	Location
	<u>Bakers Bay</u> /		Same		
	<u>Thorn Tree Bayou</u> /		"		
	<u>Big Oyster Bayou</u> /		"		
	<u>Little Oyster Bayou</u> /		"		
	<u>Grand Point Bay</u> /		"		
	<u>Bayou Dominique</u> /		"		
	<u>Bayou Boue</u> /		"		
	<u>Little Bayou Boue</u> /		"		
	<u>Bay la Fourche</u> /		"		
	<u>Polk and Dallas Bayou</u> /		"		
	<u>Bayou Lost</u> /		"		
✓	<u>Black Bay</u> /	Black Bay	"	Large bay centering at lat 29°37'N, long 89°33'S W.	
	<u>Net Bayou</u> /		"		
	<u>Big Four Bayou</u> /		"		
	<u>Little Four Bayou</u> /		"		
	<u>Charles Bayou</u> /		"		
	<u>Long Bayou</u> /		"		
	<u>Bayou Pte. a la Hache</u> /		"		
	<u>Lower Grand Bayou</u> /		"		
	<u>Bullseye Bayou</u> /		"		
	<u>Island Bay</u> /		"		
	<u>Battle Ground Bay</u> /		"		

Survey No. T 5317Date Nov. 8, 1935 GEOGRAPHIC NAMES

Chart No. _____

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 Underlined names approved Nov. 8, 1935, H. Bacon

Status	Name on Survey	Name on Chart	New Names in local use From Survey by U.S.G.S. in 1935	Names assigned by Field	Location
	<u>Cow Bayou</u> ✓		Same		
	<u>Fell Cut</u> ✓		"		
	<u>Bayou Bend</u> ✓		"		
	<u>Francis Martin Bayou</u> ✓		"		
	<u>Fontanelle Bayou</u> ✓		"		
	<u>Bay Gardene</u> ✓		"		
	<u>Pintail Point</u> ✓		"		
	<u>Bel la Pass</u> ✓	Bel La Pass	"	Bel La Pass	
	<u>Belle Isle</u> ✓		"		
	<u>Bay Craba</u> ✓		"		
	<u>Julius Bayou</u> ✓		"		
	<u>American Bay</u> ✓	Same	"		
	<u>Felicity Bay</u> ✓		"		
	<u>Bohemia Bayou</u> ✓		"		
	<u>Clam Bay</u> ✓		"		
	<u>Back L levee Canal</u> ✓		"		
	<u>Back L levee Ditch</u> ✓		"		
	<u>Price</u> ✓		"		
	<u>Happy Jack</u> ✓	"	"		
	<u>Mississippi River</u> ✓	"	"		
	<u>M.P. Ry</u> ✓		"		
	<u>Uhlan Bay</u> ✓		"		

Survey No. T5317

Date. Nov. 8, 1935 GEOGRAPHIC NAMES

Chart No. 1270, 1271 & 1272

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 Underlined names approved Nov. 8, 1935. H. Bacon.

[illegible]

Report for T 5317 Supplemental

1. Supplemental filed 11/15/35 showing in need
name changes only

Bgg.