

5305

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-5305 5305

LOCALITY

Lake Pontchartrain

Chef Men

Lake Borgne to Lake

Pontchartrain

193 4

CHIEF OF PARTY

M. H. Benson, Jr. E. & G. Engr.

U. S. GOVERNMENT PRINTING OFFICE: 1923

5305

Applied to Cht 1050 May 1937 Chas R Bush J
Applied to Cht 1269 May 15, 1939 K.R.
Applied to Cht 87.8 Jan 2 1946 M. Hunsberger v was 12/9/48

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5305

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. 18

REGISTER NO. T-5305

5305

State Louisiana

General locality Lake Pontchartrain

Locality Lake Borgne to Lake Pontchartrain

Scale 1:20,000 Photographs: 11/28/32
1:24,000 Date of survey 11/28/32, 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 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 a scale of 1:20,000 by photo-lithography.

...

- NOTES ON COMPILATION -

SHEET NO. T-5305

FIELD NO. 18

PHOTOS, NOS:	DATE OF PHOTOGRAPHS	TIME
373-383	11/28/32	9:33 to 9:39 A. M.
411-420	11/28/32	9:55 to 10:02 A. M.

	BY	DATE
PROJECTION BY	<u>E. P. Hernandez</u>	<u>5/11/34</u>
PROJECTION CHECKED BY	<u>J. C. Dobler & H. C. Smith</u>	<u>5/11/34</u>
CONTROL PLOTTED BY	<u>R. E. Wagner</u>	<u>5/14/34</u>
CONTROL CHECKED BY	<u>F. A. Donadieu</u>	<u>5/14/34</u>
RADIAL LINE PLOT BY	<u>S. S. Gill & E. P. Hernandez</u>	<u>5/16-22/34</u>
RADIAL LINE PLOT CHECKED BY	<u>H. F. Allen</u>	<u>5/26/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>H. F. Allen</u>	<u>5/26 to 6/12/34</u>
PASTING OF NAMES BY	<u>H. F. Allen</u>	<u>6/14/34</u>
REVIEW OF COMPILATION BY	<u>H. F. Allen</u>	<u>6/15/34</u>

AREA OF DETAIL INKED-- 82.2 sq. Statute Miles.

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

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 18

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 in charge of a triangulation party in this area at the time of the compilation (1934) 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. All bridge information is given on the sheet.

Because of the very small tide in this area, approximately one foot, and the small scale of the photographs, its effect was neglected in the interpretation of the high water line.

The area covered by this sheet consists mainly of marsh, with some small swamp areas. Along Lake Pontchartrain shore is to be found a large number of boat houses and camps that are connected to the mainland with raised board walks or piers. The land just inland from these houses is drained with numerous ditches and at one time was under cultivation. However, in recent years it has grown over with brush and trees.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3, photograph numbers 373 to 383 (West flight) approximately parallel to Longitude $89^{\circ}57'$; and 411 to 420 (East Flight) approximately parallel to Longitude $89^{\circ}49'$.

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-1934.

(b) Triangulation by Lieut. F. L. Gallen-1931.

The geographic positions obtained by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge and Lieut. F. L. Gallen were used, these are on the North American 1927 Datum. The field computations of Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge were used.

(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 were found, and 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 fluctuations and the radial line plot required no unusual adjustment.

(C) Interpretation:

To denote brush three or four feet high the symbol used was thus: (?), a ~~single broken line~~ ^{fine solid line} was used along Lake Pontchartrain shore, to denote a pile break-water; 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 the interpreting of the photographic detail.

The double full line was used to indicate bayous, large canals, and the better class of roads. The lesser bayous, canals, and roads were shown by a single 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 photos.

New Orleans Airway towers and U.S. Coast & Geodetic Survey and State Survey Sta. No. 227 were shown by a circle three millimeters in diameter, having been located by the radial line plot.

(D) Information From Other Sources:

There was no information obtained from other sources or organizations.

(E) Conflicting Names:

Names for this area were taken from U. S. Coast and Geodetic Survey Chart No. 1269, from the War Department's Map of Southern Louisiana and from reports of the field inspection party. So far as is known, no conflict in names exist. *All names shown are in agreement with chart 1269. B.G. Jones*

COMPARISON WITH OTHER SURVEYS:

The junction with the adjoining sheet to the North, T-5304; South, T-5306; East, T-5313; are all satisfactory. In comparison with U. S. Coast and Geodetic Survey Chart No. 1269, it is found that there has been very little change in the major details, with the exception of Bayou Sauvage, which has been partly filled in, in the western portion.

LANDMARKS:

There are no lists of landmarks available for this area, which have been recommended by the field inspection or by other field parties. ~~The location of Citrus and Tank at Little Woods~~ *shown on chart 1269 accurate shown see the review of the lock.*

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 the other data. It is understood that the width of the roads, bayous, bridges and canals may be slightly exaggerated, 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.

~~See review of the lock.~~ *See review of the lock.*

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

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

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5306

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 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.
- ✓ 8. The span, draw and clearance of bridges are shown. (Par. 16c.)
No report as to plane of reference for Bridge clearances across Chef Menteur Pass. Bridges are not listed in U.S.E. Bridge List. Range of tide is only about 1 foot.
- ✓ 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.) *Now submitted on Form 524*
13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) *see next page*
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
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. Lobdell
Chief, Division of Charts

J. S. Borden
Chief, Section of Field Work
G. T. Anderson
Chief, Division of
Hydrography and Topography.

REVIEW OF AIR PHOTO COMPILATION T 5305 (1934)

Land Marks. The water tower at ^{Citrus}~~Atrus~~ and the stack at Little Woods shown on chart 1269 are not shown on this compilation and are not mentioned specifically in the report. A letter from Reese dated July 19, 1934, states that these landmarks should be removed from the chart (correction letter #25, Air Photo Section files). This letter was in reply to inquiry regarding minor details on several compilations and has, therefore, not been filed as a chart letter.

Control. The station 9 State Survey Mark No. 227 (U.S.C. & G.S.) Latitude $30^{\circ} 00.8'$, Longitude $89^{\circ} 59.5'$ is a traverse station of a C.W.A. party of the Coast Survey. The position as shown on the compilation is from the radial plot. The traverse position has not yet been computed by Geodesy (10-21-34).

The accuracy of location of 5 to 10 meters given on page 4 of the report is high for work on this scale. There is very little control on this sheet but by extending the plot across the junctions to the North, East and South enough control could be reached to make the plot. Assuming careful compiling a better estimate of the accuracy of location is about 10 meters for located points and 10 to 20 meters for other detail.

Comparison with other surveys. Comparison with topographic sheets T 3665 and T 3666, 1917 and T 773, 1858 ^{shows} minor changes in detail and new construction ~~includes~~ railroads, wharfs and houses. The compilation is adequate to supersede the older surveys for the area covered.

B. G. Jones
B. G. Jones

Δ Air Beacon - Lat. $30^{\circ}-06'$
Long $89^{\circ}-12'$

has been changed to a topographic station.
No record of the station can be found in
geodesy. as it was apparently located
by the radial plot.

B. G. Jones
3/4/37

GEOGRAPHIC NAMES

Survey No. T 5305.

New names & corrections
from U.S.G.S. Surveys of 1935

Name on Survey

	A	B	C	D	E	F	G	H	I	J
	On Chart No. 786/1269	On previous survey No. T 786	On U. S. quadrangle Maps of 1935	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	Ry. Guide	
LAKE PONTCHARTRAIN			✓	✓			✓			1
CHEF MENTEUR Pass			✓	✓			✓			2
LAKE BORGNE			✓	✓			✓			3
LAKE ST. CATHERINE			✓	✓	Same on USGS, Chef Menteur		✓			4
BAYOU SAUVAGE			✓	✓						5
" BIENVENUE			✓	✓						6
GENTILLY ROAD			✓							7
DWYER CANAL			✓	✓						8
PINE I.	✓	✓	✓		11/18/38					9
LITTLE PINE I. Hold	✓	✓	Big * Oak Island	Name checked in field by U. S. S. S. in 1935	Refer to the U. S. B. G. N. No.					10
CITRUS.			✓	✓						11
LITTLE WOODS.			✓	✓		✓		✓		12
FT. MACOMB			✓	✓						13
L. & N. Ry			✓	✓					✓	14
N.O. & N.E. Ry. (Southern Ry)			✓	✓					✓	15
MICHEAUD			(let Michaud.)			✓		✓		16
Edge Lake			✓			✓				17
Hayne Boulevard					Names appeared Jan. 13 1936					18
Morrison Canal										19
Lawrence Canal			✓							20
Benson Canal			✓							21
Citrus Canal			✓							22
Farrar Canal			✓							23
Berg Canal			✓							24
Jahncke Canal			✓							25
Gannon Canal			✓							26
Vincent Canal			✓							27

GEOGRAPHIC NAMES

Survey No. **T5305**

New names from USGS

Surveys of 1935 NB

Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. Survey Maps of 1935	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Lee</u>			✓	Also Ry Guide		✓				1
<u>Little Woods Drainage Canal</u>			✓							2
<u>Paris Road</u>			✓							3
<u>Turtle Bayou</u>			✓							4
<u>Little River</u>			✓							5
<u>Sugar Mill Lake</u>			✓							6
<u>Micheaud Canal</u>			✓							7
<u>Bayou Daytoe</u>			✓							8
<u>Dosgris Lake</u>			✓							9
<u>Big Lagoon</u>			✓							10
<u>Blind Lagoon</u>			✓							11
<u>Cane Bayou</u>			✓							12
<u>Bayou Pecoin</u>			✓							13
<u>Bayou Gentilly</u>			✓							14
<u>Horseshoe Lagoon</u>			✓							15
<u>Bayou Leche</u>			✓							16
<u>Cut off Bayou</u>			✓							17
<u>Stump Bayou</u>			✓							18
<u>Bayou Cheree</u>			✓							19
<u>Bayou Thomas</u>			✓							20
<u>Borgne</u>			✓	Also Ry Guide		✓				21
<u>Chef Monteur</u>			✓	"		✓				22
<u>Bayou Martinez</u>			✓	"						23
<u>Greens Ditch</u>			✓							24
<u>Shell Point Bayou</u>			✓							25
<u>South Branch Shell Point Bayou</u>			✓							26
<u>Bayou de Lesiare</u>				Cedar Bayou on Chef Monteur, 1892-1935						27
<u>Bayou Dupont</u>			✓							28
<u>Bayou Charleaux</u>			✓							29
<u>Bayou Catherine</u>			✓							30