

5304

U. S. COAST & GEODETIC SURVEY
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Form 504 Ed. June, 1923	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. Patton <small>Director</small>	
<div style="border: 1px solid black; width: 100px; height: 50px; margin: 0 auto;"></div>	
State: <u>Louisiana</u>	
DESCRIPTIVE REPORT	
<div style="display: inline-block; vertical-align: middle;">Photo Topographic Hydrographic</div>	<div style="display: inline-block; vertical-align: middle;">} Sheet No. T-5304 5304</div>
LOCALITY	
<u>Lake Pontchartrain</u> <u>Point aux Herbes</u> <u>Bayou La Comb to Lake St.</u> <u>Catherine</u>	
<u>1934</u>	
CHIEF OF PARTY	
<u>M. H. Reese, Jr. H. & G. Engr.</u>	

U. S. GOVERNMENT PRINTING OFFICE: 1923

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~~Applied to Chart 5202 - Mar 1936 Rm3~~

~~" " 5101 - May 1936 Rm3~~

Applied to Chart 1050 May 1937 C.R. Bush

Applied to Chrt. 1269 May 1, 1939 K.P.

Applied to Chart 878 Dec 3, 1946 M.H. Hunsberger

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5304

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. 17

REGISTER NO. T-5304

5304

State Louisiana

General locality Lake Pontchartrain

Locality *Pt. aux Herbes*
~~Bayou la Comb to Lake St. Catherine~~

Scale ~~1:24,000~~ ^{1:20,000} Photographs: 11/28/32
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 E. P. Hernandez

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-5304

FIELD NO. 17

PHOTOS, NOS:	DATE OF PHOTOGRAPHS	TIME
384-390	11/28/32	9:39 to 9:44 A. M.
401-410	11/28/32	9:49 to 9:55 A. M.

	BY	DATE
PROJECTION BY	<u>E. P. Hernandez</u>	<u>5/17/34</u>
PROJECTION CHECKED BY	<u>J. C. Dobler</u>	<u>5/17/34</u>
CONTROL PLOTTED BY	<u>F. T. Clarke</u>	<u>5/19/34</u>
CONTROL CHECKED BY	<u>R. E. Wagner</u>	<u>5/19/34</u>
RADIAL LINE PLOT BY	<u>E. P. Hernandez</u>	<u>5/21/34</u>
RADIAL LINE PLOT CHECKED BY	<u>E. P. Hernandez</u>	<u>5/22/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u>E. P. Hernandez</u>	<u>5/23 to 6/13/34</u>
PASTING OF NAMES BY	<u>S. S. Gill</u>	<u>6/14/34</u>
REVIEW OF COMPILATION BY	<u>S. S. Gill</u>	<u>6/13/34</u>

AREA OF DETAIL INKED-- 28.2 sq. Statute Miles.

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

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 17

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet was obtained from the sketches and notes on the field photographs and from members of the field inspection parties 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 slight tide variations and the small scale of the photographs, its effect was not taken into consideration in the determination of the shore lines.

This sheet was extended to Latitude $30^{\circ}16'$ so as to include the north shore-line of Lake Pontchartrain as much as possible.

This sheet consists principally of water area, but is bounded along the north and east by low marsh land, none of which is under cultivation. The marsh is covered by a network of canals, bayous and small lakes. In the Northern limits of the sheet the ground becomes higher and dry and there are many trees, mostly pine.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3, photograph numbers 401-410 (West Flight) approximately parallel with Longitude $89^{\circ}49'$, 384-390 (East Flight) approximately parallel with Longitude $89^{\circ}57'$.

CONTROL:

(A) Sources:

(a) Triangulation by Lieut. F. L. Gallen-1930-1931.

(b) Triangulation by Comdr. H. A. Seran-1917.

The geographic positions, in the area covered by this sheet, located by Lieut. Gallen in 1930-1931 were on the North American datum. Those located by Comdr. H. A. Seran in 1917 were recomputed to the North American 1927 datum. The control held very well in the execution of the radial line plot and it is believed that if any error exists it would be unplotable at the small scale of this compilation-1:24,000.

(B) Errors:

Well point files were taken on Bayou Lacumbe and
*Banquea lights **

The control is adequate for this sheet and the radial line plot gave good intersections.

(C) Discrepancies:

No control established by other organizations was used in the compilation of this sheet.

*There 3 Pt Fix Positions furnished control
for the area west of long. $89^{\circ}53'$ and north
of Lake Pontchartrain. The computations were not
forwarded to this office. B.G. Jones.*

Bridges The bridge data submitted by the
compiler are listed as follows:
~~for the purpose of reference and~~
~~as a most valuable in the present compilation~~
~~but are listed as follows:~~

Lat. $30^{\circ} 12'$, Long. $89^{\circ} 50'$

(1) Railroad drawbridge (swing type)

Span 250 Ft

Draw 106 Ft

H.W. Clearance 3 Ft.

(2) Highway Bridge

Span 150 Ft.

Draw 150 Ft.

H.W. Clearance 13 Ft.

Lat. $30^{\circ} 09'$, Long. $89^{\circ} 52'$

(1) Railroad Bridge (swing type)

Span 250 Ft.

Draw 106 Ft

H.W. Clearance 3 Ft.

(2) Highway Bridge

Span 106 Ft.

Draw 106 Ft.

H.W. Clearance 13 Ft.

B.G. Jones

COMPILATION:

(A) Method:

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

(B) Adjustment of Plot:

The photographs in the two flights covering this area were free from excessive tilt and scale fluctuations and required no unusual adjustment.

(C) Interpretation:

To denote landmarks determined by radial line intersection a circle three millimeters in diameter was used. Otherwise, only the conventional symbols as approved by the Board of Surveys and Maps (1932) were used.

Canals, bayous and good roads are shown with double solid lines. Roads and canals of less importance and too narrow to be shown with double lines are shown with a single line.

The Southern Ry. bridge across Lake Pontchartrain is shown by the single track symbol and is a wooden pile trestle type of bridge. The highway bridge across Lake Pontchartrain shown by two full lines, is a concrete pile bridge.

Along the North Shore of Lake Pontchartrain, between Longitude $89^{\circ}52'$ and $89^{\circ}59'$, there is a tidal flat, of mud and soft sand, the outer edge of which is indicated with a light broken line.

In all cases except where labeled on the field photographs, the classification of features had to be determined by a close examination of the photographs. No great difficulty was experienced in interpreting the detail from the photographs.

(D) Information From Other Sources:

The only information obtained from other sources was the type, span, and clearance of bridges. This information was obtained from the U. S. Engineers' Office, New Orleans, La., 1st New Orleans District. *See opposite page.*

(E) Conflicting Names:

The names shown were taken from the U. S. Coast and Geodetic Survey Chart No. 1269 and from reports and sketches of the field inspection party.

The railroad and bridge across Lake Pontchartrain were built by the New Orleans & North Eastern Railroad and in 1916 the controlling stock in this company was purchased by the Southern Railroad. The name "N. O. & N. E. R. R.," is shown in parenthesis, while the name "Southern Railroad" is shown as the true name, along this right-of-way.

So far as is known no conflict in names exist.

Note The railroad name mentioned above has been changed to read: Southern R.R. (N. O. & N. E. Branch). The name is shown on the present copy of chart 1268.

In addition to the railroad name only one new name is shown, North Shore, the name of the settlement at lat. $30^{\circ}13'$ long $89^{\circ}49'$

P. G. G.

COMPARISON WITH OTHER SURVEYS:

The junctions with adjoining sheets to the East and South, T-5312 and T-5305, respectively, are satisfactory.

In comparing this sheet with U. S. Coast and Geodetic Survey Chart No. 1269, it is to be noted that very little change has taken place in the shorelines and bayous, the major features being practically the same as to shape and position.

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:

The compilation of this sheet is believed to have a probable error of five meters in well defined detail of importance for plotting and of 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.

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 survey is required.

S. S. Gill
Submitted by: S. S. Gill,
Draftsman

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

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 5 to 10 meters for interested points and 5 to 20 meters for other detail. This value may be exceeded along the north shore west of longitude $89^{\circ} 53'$ where there were only two control stations. However, the detail in this area is accepted as sufficiently accurate for charting and as adequate to supersede the old survey T ⁷⁹⁶~~774~~ (1860)

B. G. Jones

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
—5304—
LANDMARKS FOR CHARTSNew Orleans, LouisianaJune 19, 1934

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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.


H. H. Reese

Chief of Party.

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED	
	LATITUDE			LONGITUDE					DATUM
	°	'	D. M. METERS	°	'	D. P. METERS			
Bayou Lacombe Lt.	30	15	(1244.6) 602.9	89	57	(1479.5) 124.6	H. A. 1927 Air Photo	U.S. Coast & Geodetic S. Chart, 1269	
Bayou Bonfouca Lt.	30	14	(96.7) 1750.8 (91.8) 1755.7	89	51	(22.9) 1581.5	"	1268 & 1269	
Light Bn.	30	11	(135.2) 1712.5	89	46	(573.3) 1031.9	"	" "	
Light Bn.	30	11	(331.4) 1516.1	89	46	(744.7) 860.5	"	" "	
Light Bn.	30	11	(431.4) 1416.1	89	46	(909.6) 695.6	"	" "	
Light Bn.	30	11	(424.6) 1422.9	89	46	(1200.2) 405.0	"	" "	
Scaling of positions from photo compilation									
checked in office by L. Paucher									
Point aux Herbes Beacon is not shown on the compilation and was not located by the compiler									
The compilation shows a Point aux Herbes L.H. 1898-1899 but no recovery note was included showing the condition of the structure and the compiler has not listed it as a landmark.									
B. G. Jones									

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-5304

Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese

Compiled by E. P. Hernandez

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.

This compilation has been compared with T 774 (1860) T 796 (1860), T 3665 (1917) and T 3666 (1918) and is adequate to supersede those surveys for the area covered. B.G. Jones

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.) *Page 5*
14. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 34.) *Field computations*
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. See list of names. H.B.*
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

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

GEOGRAPHIC NAMES

Chart No. 1268-1269Date. Jan. 9, 1935Names approved Jan. 10, 1935.Diagram No. 1116*Harlow Bacon*

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

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

R, Referred to the Division of Geographic Names, Department of Interior. *Revisions by H.B. Feb. 1936.**Investigation by H.M.S.*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	✓ <u>Ragged Point</u>	B1269d T-796 1269	Goose Point	on map*** cited below.	
	✓ <u>Bayou Lacombe</u> ✓ <u>Bayou</u>	B1269 Loc T-796 USGS	Lacornbe Bayou	Bayou Lacombe	US Light List
	✓ <u>Point Platte</u>	1269 Plat T-796 USGS			
	✓ <u>Bayou Lacombe Light</u>	Light List, Gulf Coast, 1934			
	✓ <u>Bayou Ruis</u>	1269 T-796	Name not applied to T-5304	Can not be identified because of change in topog	20° 15' N 89° 54' W
	✓ <u>Bayou du Chien</u>	1269 T-796	Name not applied to T-5304	Same as above	20° 15' N 89° 53' W
	✓ <u>Point au Chien</u>	1269 T-796 USGS			
	✓ <u>Bayou Bonfouca</u>	1269 T-796 USGS		According to USGS when name is English, Bayou follows name when name is French, Bayou precedes name.	
	✓ <u>Bayou Liberty</u> ✓ <u>Bayou</u>	1269 USGS (1935) US Engrs			East
	✓ <u>Big Point</u>	1269 T-774			
	✓ <u>North Shore</u> ✓ <u>USGS *** Map of portions of Orleans, St. Tammany, Tangipahoa, Livingston, St. John and Jefferson Parishes, La., by George Guilbault, 1926.</u>	R.R. Guide	North Shore	same	the Baptist, St. Charles in Library of Congress.
	✓ <u>Grand Lagoon</u>	1269 T-774 USGS			
	✓ <u>Salt Bayou</u>	1269 T-773 USGS			30° 11' N 89° 45' W
	✓ <u>Rigolets</u> ✓ <u>US Engrs</u>	1269 U.S.G.S. The	Rigolets	T-773 Rigolets	
	✓ <u>Lake Pontchartrain</u> ✓ <u>USGS</u>	1269 U.S.G.S. All C.S. survey sheets			
	✓ <u>Lake St. Catherine</u> ✓ <u>1116 (U.S.G.S.) US Engrs</u>	1269 (U.S.G.S.) US Engrs		Map of Alluvial Valley of Miss	
	✓ <u>Point aux Herbes</u>	1269 U.S.G.S. Rigolets	T-786		
	✓ <u>Pt. aux Herbes Light House</u>				
	✓ <u>Irish Bayou</u> ***	1269 T-786 OK			Lat. 30° 08' N Long. 89° 51' W
	✓ <u>Little Irish Bayou</u> **	1269 T-786 OK	Name not applied to T-5304	Further study recommended	Long 89° 51' W Lat. 30° 08' N
	✓ <u>South Point</u> ✓	1269 U.S.G.S. *** map above			

Date, Jan. 10, 1935

Chart No. 1269

Underlined names approved.

Diagram No. 1116

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

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

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

Revisions by H.B. Feb. 1936

[illegible]