

9025

Diag. Cht. No. 1116-2 & 1276-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. PH-21(47) Office No. T-9025

LOCALITY

State LOUISIANA

General locality LOUISIANA COAST

Locality ATCHAFALAYA BAY, LAKE SALVE,

LOWER ATCHAFALAYA RIVER

1948

CHIEF OF PARTY

C. W. Clark, Chief of Field Party.

A. L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE Oct 24 - 1952

9025

DATA RECORD

T-9025

Project No. (II): Ph-21 (47) Quadrangle Name (IV): *Lake Salve, La.*

Field Office (II): *Morgan City, La.* Chief of Party: *Charles W. Clark*

Photogrammetric Office (III): *Tampa, Fla.* Officer-in-Charge: *Arthur L. Wardwell*

Instructions dated (II) (III): *Feb. 12, 1948* Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): *Graphic*

Manuscript Scale (III): *1:20,000* Stereoscopic Plotting Instrument Scale (III): *inapplicable*

Scale Factor (III): *none*

Date received in Washington Office (IV): *4-3-50* Date reported to Nautical Chart Branch (IV): *4-7-50*

Applied to Chart No. Date: Date registered (IV): *6-16-52*

Publication Scale (IV): *1:20,000*

Issue
Publication date (IV): *April 1952*

Geographic Datum (III): *N.A. 1927*

Vertical Datum (III): *M H W*

~~Mean Sea Level~~ except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): *CROSS, 1933*

Lat.: *29° 36' 32.144" (989.7 m)* Long.: *91° 19' 36.645" (986.0 m)* Adjusted
~~Unadjusted~~

Plane Coordinates (IV): State: *Louisiana* Zone: *South*

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

inapplicable

Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): J. S. Howell
W. M. Reynolds

Date: March-April, 1948

Planetable contouring by (II): inapplicable

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):

April-March 1948 Air Photo Compilation

Projection and Grids ruled by (IV): W E W (Washington Office)

Date: 2/24/48

Projection and Grids checked by (IV): T L J (Washington Office)

Date: 2/24/48

Control plotted by (III): E. T. Ogilby

Date: 12/22/48

Control checked by (III): W. W. Dawsey

Date: 12/22/48

Radial Plot ~~not checked~~ M. M. Slavney
~~Control checked by (III):~~

Date: 3/29/49

Planimetry
Stereoscopic Instrument compilation (III): inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): J. F. Armstrong

Date: June, 1949

Photogrammetric Office Review by (III): J. A. Giles

Date: June, 1949

Elevations on Manuscript inapplicable
checked by (II) (III):

Date:

4
Camera (kind or source) (III): U.S. C. & Geodetic Survey 9-lens

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
21939	3-13-48	11:44	1: 20,000	No tide	
21938	3-13-48	11:42	"		
21937	3-13-48	11:41	"		
21991	3-13-48	14:05	"		
21990	3-13-48	14:04	"		

Tide (III)

~~No tide~~
Reference Station: Galveston, Texas
Subordinate Station: Eugene I., Atchafalaya Bay, La.
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal
		Spring Range
—	1.0	1.4
1.1	1.1	1.9

Washington Office Review by (IV): L. Martin Jajik

Date: May 5, 1951

Final Drafting by (IV): Baltimore

Date:

Drafting verified for reproduction by (IV): C. Zupic

Date: March 19, 1952

Proof Edit by (IV):

L. Martin Jajik

Date: 3-27-52

Land Area (Sq. Statute Miles) (III): 64.6 Sq. St. miles
Shoreline (More than 200 meters to opposite shore) (III): 11.3 St. miles
Shoreline (Less than 200 meters to opposite shore) (III): 78.6 " "
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 4 Recovered: 3 Identified: 3
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Summary T-9025

This planimetric survey is one of a series of 21 maps at scale 1:20,000 in the Gulf Coast area of Louisiana. Except for T-9032 and T-9033, which are odd sizes, each is 7½-minutes in latitude and longitude.

The area covered by this project includes Houma, Louisiana, on the east, to Vermilion Bay on the west, and extends from the vicinity of the Intracoastal Waterway southward to Atchafalaya and Fourleague Bays.

Shoreline surveys for the Intracoastal Waterway of project Ph-14(46) at 1:10,000 scale, falling within the project, furnished some detailed information along both sides of the Waterway and for the planimetric maps of this project.

Adjoining this project to the west are 17 contemporary topographic quadrangles at 1:20,000 scale in project Ph-33(48). Adjoining to the east and covering the Intracoastal Waterway to Florida are a series of revision sheets at 1:20,000 scale of Project Ph-1(45). Bordering the three southernmost quadrangles of this project is an early photo compilation project completed in 1935.

The Field Inspection Report covers T-9023, T-9024, T-9025, T-9026 and T-9027 and is bound with T-9027.

SCALE FACTOR 1.000...

[illegible]

COMPUTED BY: _____

DATE Nov. 3, 1948

CHECKED BY: H. R. Rudolph

DATE Nov. 15, 1948

M-2388-12

COMPILATION REPORT T-9025

PHOTOGRAMMETRIC PLOT REPORT

This is the subject of a special report submitted to the Washington Office on May 5, 1949, and is included in Descriptive Report T-9033.

31. DELINEATION

The major part of this quadrangle was compiled by graphic methods. Parts of two shoreline surveys, T-8894 and T-8895, of Ph-14(46) overlap this survey. The area from latitude $29^{\circ} 37'$ to $29^{\circ} 37.5'$ at longitude $91^{\circ} 15'$ to $91^{\circ} 16'$ is covered by T-8894. The radial plots of T-8894 and T-8895 agree closely enough with the radial plot from this quadrangle to permit direct transfer of details from the film positive of these previous surveys.

32. CONTROL

The control was sufficient both as to placement and density for the establishment of detail points.

33. SUPPLEMENTAL DATA

Film positives T-8894 and T-8895 were used (see Item 31).

34. CONTOURS AND DRAINAGE

No difficulty was encountered interpreting drainage.

Numerous pirogue trails appear on this quadrangle, and are referred to legend by abbreviation "P T" to avoid misinterpretation for drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. No low water or shoal lines are shown with the exception of a mud bank with a marsh island crest on the northwest side of Towhead Bayou at the mouth of Six-mile Bayou. This was arrived at by office interpretation.

36. OFFSHORE DETAILS

There are no offshore details that need investigation by the hydrographer.

37. LANDMARKS AND AIDS

Three aids to navigation have been located for this quadrangle. See Item 11, Field Inspection Report for methods.

38. CONTROL FOR FUTURE SURVEYS

Two cards, Form 524, are submitted. A list of recoverable topographic stations has been prepared and is included in Item 49.

39. JUNCTIONS

T-9026 to the east in agreement
T-9024 to the west in agreement
T-9020 to the north in agreement
T-9031 to the south in agreement

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with topographic quadrangle Belle Isle, La., Mississippi River Commission, scale 1: 62,500 edition of 1941 reprinted 1943. The quadrangle is in good agreement with the manuscript with the following exception:

The point of land on the quadrangle at approximate latitude $29^{\circ} 32.5'$ longitude $91^{\circ} 16.5'$ symbolized as mud above the plane of mean highwater is actually below mean highwater.

47. COMPARISON WITH NAUTICAL CHARTS

In comparison with nautical chart No. 1276, 1: 80,000 scale, published March 1939, corrected May 23, 1949 this quadrangle was found to be in good agreement.

11

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell,
Chief of Party.

John F. Armstrong, Jr.
John F. Armstrong, Jr.
Cartographic Draftsman

48. GEOGRAPHIC NAME LIST

All geographic names have been taken from a field copy of a Special Report on 'Geographic Names, Houma Louisiana, to Vermilion Bay, Louisiana, Project Ph-14(46), and are subject to change by the Geographic Name Section of the Washington Office.

Attention is invited to the fact that two geographic names appear to be duplicated. First, the name BRUSHY BAYOU at approximate latitude 29° 30' 50", longitude 91° 20' 30". Also at approximate latitude 29° 36' 30", longitude 91° 21' 50", and the name MYRTLE BAYOU at approximate latitude 29° 31' 30", longitude 91° 18' 30". Also at approximate latitude 29° 33' 15", longitude 91° 22' 30". This is in accordance with the special report referred to in this item.

- | | |
|-----------------------------------|--------------------------------------|
| · <u>ADAMS CROSS</u> | · <u>LITTLE HOG BAYOU</u> |
| · <u>BAYOU CAMERON</u> | · <u>LITTLE LACASSINE BAYOU</u> |
| · <u>BAYOU HAYDEL</u> | · <u>LITTLE WAX BAYOU</u> |
| · <u>BEADLES BAYOU</u> | · <u>LIVE OAK HAMMOCK</u> |
| · <u>BIG BULL BAYOU</u> | · <u>LOST LAKE LAKE</u> |
| · <u>BIG DOCTORS BAYOU</u> | · <u>LOWER ATCHAFALAYA RIVER</u> |
| · <u>BIG HOG BAYOU</u> | · <u>LOWER PASS BAYOU</u> |
| · <u>BIG WAX BAYOU</u> | · <u>MIRE BAYOU</u> |
| · <u>BRUSHY BAYOU</u> (2 places) | · <u>MUDDY BAYOU</u> |
| · <u>CHICKEN ISLAND BAYOU</u> | · <u>MYRTLE BAYOU</u> (2 places) |
| · <u>CLARKS BAYOU</u> | · <u>OUTSIDE BAYOU</u> |
| · <u>CROSS BAYOU</u> | · <u>ROUND BAYOU</u> |
| · <u>CUT-OFF BAYOU</u> | · <u>RUSSELS BAYOU</u> |
| · <u>CUT-OFF ISLAND</u> | · <u>SAMMYS BAYOU</u> |
| · <u>CYPRESS PASS</u> | · <u>SHELL ISLAND</u> |
| · <u>DEER ISLAND BAYOU</u> | · <u>SHELL ISLAND PASS</u> |
| · <u>EAST BAY</u> | · <u>SHELL ISLAND POINT</u> |
| · <u>FISHTRAP BAYOU</u> | · <u>SIXMILE BAYOU</u> |
| · <u>FOURMILE BAYOU</u> | · <u>SPANISH LAKE</u> |
| · <u>GIVINS BAYOU</u> | · <u>SPANISH LAKE BAYOU</u> |
| · <u>GRAYS BAYOU</u> | · <u>ST MARY PARISH</u> |
| · <u>GREENS BAYOU</u> | · <u>SWEETBAY LAKE</u> |
| · <u>HONEY ISLAND</u> | · <u>TERRABONNE PARISH</u> |
| · <u>LAKE PASS BAYOU</u> | · <u>TOWHEAD BAYOU</u> |
| · <u>LAKE SALVE</u> | · <u>TOWHEAD LAKE</u> |
| · <u>LITTLE ADAMS CROSS BAYOU</u> | · <u>UPPER PASS</u> |
| · <u>LITTLE BULL BAYOU</u> | · <u>WETFOOT HAMMOCKS</u> |
| · <u>LITTLE CAMERON BAYOU</u> | · <u>WILLOW PASS</u> |
| · <u>LITTLE DOCTORS BAYOU</u> | · <u>WILLOW PASS BAYOU</u> |

Names approved,

5-9-51

a.j.w

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

NONFLOATING AIDS ORLEANS MARKET FOR CHARTS

Morgan City, Louisiana

8761
4 May

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(attached forms)~~ the charts indicated.

The positions given have been checked after listing by J. P. Armstrong
Tampa Photogrammetric Office

Charles W. Clark *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by *co*

50 PHOTOGRAMMETRIC OFFICE REVIEW

T. 9025

1. Projection and grids RRW 2. Title RRW 3. Manuscript numbers RRW 4. Manuscript size RRW

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) RRW 7. ~~Photo by stations~~ 8. ~~Photo by stations~~ 9. ~~Plotting of sextant fixes~~ 10. Photogrammetric plot report RRW 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline RRW 13. ~~Coastal water line~~ 14. ~~Rocks, shoals, etc.~~ 15. ~~Bridges~~ 16. Aids to navigation RRW 17. ~~Landmarks~~ 18. Other alongshore physical features RRW 19. Other along-shore cultural features RRW

PHYSICAL FEATURES

20. Water features RRW 21. Natural ground cover RRW 22. ~~Relief contours~~ 23. ~~Elevation contours~~ 24. ~~Contours of ground~~ 25. ~~Spot elevations~~ 26. Other physical features RRW

CULTURAL FEATURES

27. ~~Roads~~ 28. Buildings RRW 29. ~~Railroads~~ 30. ~~Other cultural features~~

BOUNDARIES

31. Boundary lines RRW 32. ~~Public land lines~~

MISCELLANEOUS

33. Geographic names RRW 34. Junctions RRW 35. Legibility of the manuscript RRW 36. ~~Discrepancy~~ 37. Descriptive Report RRW 38. Field inspection photographs RRW 39. Forms RRW 40. Robert R. Wagner James C. Giles
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler_____
Supervisor

43. Remarks:

M-2623-12
13

REVIEW REPORT T-9025
Planimetric Map

May 9, 1951

62. Comparison with Registered Topographic Surveys.-

T-638	1:9,660	1855
T-639	1:9,660	1855
T-1822	1:10,000	1888
H-2998	1:10,000	1909
T-6299 a,b	1:20,000	1935
T-8894	1:10,000	1946
T-8995	1:10,000	1946

This planimetric survey supersedes the above listed surveys for nautical chart purposes.

63. Comparison with Maps of Other Agencies.-

Belle Isle, La., Quadrangle, USE, 1:62,500, 1943
See Item 46 of the Compilation Report

64. Comparison with Hydrographic Surveys.-

None contemporary

65. Comparison with Nautical Charts.-

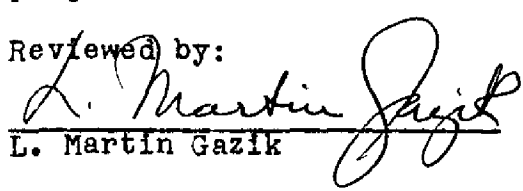
Chart 1050	1:175,000	April 1950
1116	1:458,596	May 1950
1276	1:80,000	October 1950

There are no significant differences or appreciable changes to be noted between this new survey and the above listed charts.

66. Remarks.-According to the 1951 Light List for the Atlantic and Gulf Coasts, the three lights shown on this quadrangle have been rebuilt in 1949 and have been renamed and numbered. See the appended Form 567 for details. No field party has been in the area since they have been rebuilt to check or submit new positions.

67. Adequacy of Manuscript.-This compilation complies with project instructions and the National Standards of Map Accuracy.

Reviewed by:


L. Martin Gazik

Approved by:

S. V. Gifford 8/19/52
Chief, Review Section
Div. of Photogrammetry

H. E. Monahan
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. Photogrammetry

L. S. Hubbs
Chief, Div. Coastal Surveys
Acting.