

9023

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-9023

LOCALITY

LOUISIANA

State

General locality LOUISIANA COAST

Locality ATCHAFALAYA BAY, EAST COTE BLANCHE
BAY

1948

CHIEF OF PARTY

C. W. Clark, Chief of Field Party.

A. L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE September 2, 1952

9023

DATA RECORD

T-9023

Project No. (II): Ph-21(47)

Quadrangle Name (IV):

Gordy, La.

Field Office (II): Morgan City, Louisiana

Chief of Party: Charles W. Clark

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): February 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): 4-25-50 Date reported to Nautical Chart Branch (IV): 4-27-50

Applied to Chart No.

Date:

Date registered (IV): 6-11-54

Publication Scale (IV): 1:20,000

^{Issue}
~~Publication~~ date (IV): April 1954

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M H W

~~NEAREST LOW WATER~~ 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): TUCKY, 1933

Lat.: 29° 31' 37.300" (1148.44) Long.: 91° 32' 31.442" (846.7m)

Adjusted
~~822.744~~

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: 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): Date of photographs -
air photo compilation

Projection and Grids ruled by (IV): W. E. W. (Washington Office) Date: Feb 20, 1948

Projection and Grids checked by (IV): W. E. W. (") Date: "

Control plotted by (III): E. T. Ogilby Date: Dec. 22, 1948

Control checked by (III): W. W. Dawsey Date: Dec. 22, 1948

Radial Plot ~~of 1:25,000 scale~~ M. M. Slavney Date: Mar. 29, 1949
~~Control checked by (III):~~

Planimetry
Stereoscopic Instrument compilation (III): inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): W. W. Dawsey Date: Oct. 1949

Photogrammetric Office Review by (III): J. A. Giles Date: Dec., 1949

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

Date:

Camera (kind or source) (III): U. S. C. & G. S. 9 lens 8 $\frac{1}{4}$ " focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
21942	March 13, 1948	11:47	1:20,000	0.1
21943	"	11:49	"	0.1
21988	"	14:02	"	0.2
21305	Dec 12, 1947	10:43	"	
21338	"	11:45	"	

Tide (III)

Reference Station: Galveston
 Subordinate Station: Pt. Chevreuil, E. Cote Blanche
 Subordinate Station: Bay

Ratio of Ranges	Mean Range	Spring Range
1.1	1.1	1.6

Washington Office Review by (IV): *L. Martin Jirik*

Date: *April 13, 1951*

Final Drafting by (IV): *Baltimore*

Date:

Drafting verified for reproduction by (IV): *C. Kupiec*

Date: *March 19, 1952*

Proof Edit by (IV):

L. Martin Jirik

Date: *3-27-52*

Land Area (Sq. Statute Miles) (III): 15

Shoreline (More than 200 meters to opposite shore) (III): 13 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 22 " "

Control Leveling - Miles (II): 0

Number of Triangulation Stations searched for (II): 4 Recovered: 2 Identified: 3*

Number of BMs searched for (II): 0 Recovered: Identified:

Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III): 0

Remarks: *Triangulation station SALT, 1933 was destroyed but its base was identified for use of the radial plot.

Summary T-9023

This planimetric survey is one of a series of 21 maps at 1:20,000 in the Gulf Coast area of Louisiana - each 7 $\frac{1}{2}$ minutes in latitude and longitude, except for T-9032 & T-9033, which are odd sizes.

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 this project, furnished some detailed information along both sides of the Waterway area for the planimetric maps of this project.

Adjoining this project to the west are 17 contemporary 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).

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

COMPILATION REPORT, T-9023

PHOTOCGRAMMETRIC PLOT REPORT

This is the subject of a special report being submitted with T-9018.

31. DELINEATION

The graphic method was used in the delineation of this map manuscript. The scale of the photographs was not good and some difficulty was encountered with photograph 21988. This photograph was slightly tilted and the scale very poor.

32. CONTROL

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing additional control necessary in the delineation of this map manuscript.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The drainage was delineated as shown on the photographs. Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The low-water line at Bayou Sale Point was delineated from a field note. No other low-water or shoal line was shown.

36. OFFSHORE DETAILS

The pipelines in East Cote Blanche Bay were delineated as they appeared on the photographs. ~~The photo points that were identified were in the most part assumed to be oil wells and were shown as such.~~ Offshore piling were plotted from sextant fixes.

④ See photo 21338

37. LANDMARKS AND AIDS

There are no landmarks.

Lights, Nos. 1, 2 and 3 were located by the radial plot method. All other aids were located from sextant fixes.

38. CONTROL FOR FUTURE SURVEYS

Four (4) topographic stations are being submitted on form 524. These topographic stations have been listed and included under Item No. 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-9024 on the eastern limits, T-9018 on the northern limits, and T-9116 on the western limits. There is no contemporaneous survey to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with topographic quadrangle Bayou Sale, La., Mississippi River Commission, scale 1:62,500 edition of 1937 reprinted 1941. Many changes were noted in the comparison. The shoreline of Rabbit Island has changed considerably, and Little Rabbit Island does not appear at all on the photographs. An oil field has been opened by the Texas Company, which apparently wasn't in existence when the foregoing survey was made. The opening of this oil field necessitated dredging new canals and other cultural changes.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart No. 1276, scale 1:80,000 published March 1939 and bearing a print date of May 23, 1949. The same differences concerning the oil field as listed under Item 46 apply here.

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

Webber W. Dawsey
Webber W. Dawsey
Cartographic Survey Aid

48. GEOGRAPHIC NAME LIST

All geographic names were taken from a field copy of a special report on Geographic Names - Houma to Vermilion Bay, Louisiana. This report was prepared at the time the field work for Project Ph-14(46) was being done and is subject to change by the Geographic Name Section of the Washington Office.

- | | |
|---|---|
| ✓ <u>ATCHAFALAYA BAY</u> | ✓ <u>MAHONEY PASS</u> |
| ✓ <u>BAYOU SALE</u> | ✓ <u>MORRISON'S CUT</u> |
| ✓ <u>BAYOU SALE BAY</u> | ✓ <u>OYSTER BAYOU</u> (trib. of Shrimp Bayou) |
| ✓ <u>BAYOU SALE POINT</u> (Pending with B.G.N.) | ✓ <u>PASS FOURCHON</u> |
| ✓ <u>BURNS</u> | ✓ <u>RABBIT ISLAND</u> |
| ✓ <u>BURNS POINT</u> | ✓ <u>SALT POINT</u> (Shrimp Bayou) |
| ✓ <u>EAST COTE BLANCHE BAY</u> | ✓ <u>SHELL BANK BAYOU</u> (omit) |
| ✓ <u>GORDY</u> | ✓ <u>STATE 60</u> |
| ✓ <u>HORSESHOE BAYOU</u> | ✓ <u>TURKEY HAMMOCK</u> |
| ✓ <u>HOG BAYOU</u> | |
| ✓ <u>LEOPARD BAYOU</u> | |

Names underlined in
red are approved.

4-18-51. L. Heck

49. NOTES FOR THE HYDROGRAPHER:

Following is a list of topographic stations that may be useful to the hydrographer:

TANK, 1948
LIGHT NO. 1, 1948
LIGHT NO. 2, 1948
LIGHT NO. 3, 1948

50 PHOTOGRAMMETRIC OFFICE REVIEW

T. 9023

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

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) JG 7. ~~Photo/hydro stations~~ ||||| 8. ~~Bench marks~~ ||||| 9. Plotting of sextant fixes JG 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. ~~Planetable contours~~ ||||| 23. ~~Stereoscopic instrument contours~~ ||||| 24. ~~Contours in general~~ ||||| 25. ~~Spot elevations~~ ||||| 26. Other physical features JG

CULTURAL FEATURES

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

BOUNDARIES

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

MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG40. Jesse A. Giles *Jesse A. Giles* William A. Rasure *William A. Rasure*
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:

TIDE COMPUTATION

PROJECT NO. Ph-21(47) 9023

Time and date of exposure 11:47 Mar. 13, 1948

Reference station Galveston, Texas

Mean range 1.1

Date of field inspection May, 1948

Subordinate station Pt. Chevreuil, E. Cote Blanche Bay

Ratio of ranges 1.1

Sub. Sta.	Time		Height feet	Height x Ratio of ranges	Time h. m.
	h.	m.			
High tide	6	27	0.8	.88	6 07
Low tide	12	30	0.1	.11	+ 20
Duration of rise or fall	6	03		.77	6 27
					Corrected time at Subordinate station
					Low tide at Ref. Sta. Time difference Corrected time at Subordinate station
					12 10 + 20 12 30

Time H. T. or L. T. Required time Interval	h. m.	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	feet	Photo. No.
Time H. T. or L. T. Required time Interval	12 30 11 47 0 43	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.1 0.0 0.1	Feature bares Stage of tide above MLW Feature above MLW		21942 21943
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

M-2617-12

Computed by I. I. Saperstein Checked by W. W. Dawsey

TIDE COMPUTATION

PROJECT NO. PR 21(47)-9023

Time and date of exposure 14:02 Mar. 13, 1948 Reference station Galveston, Texas Mean range 1.1

Date of field inspection MAY, 1948 Subordinate station Pt. Chevreuil, E. Cote Blanche Bay Ratio of ranges 1.1

Sub. Sta.	Time		Height feet	Height x Ratio of ranges	Time h. m.
	h.	m.			
High tide	18	03	0.6	0.66	17 43
Low tide	12	30	0.1	0.11	+ 20
Duration of rise or fall	5	33		0.55	18 03

High tide at Ref. Sta.	17 43
Time difference	+ 20
Corrected time at Subordinate station	18 03

Low tide at Ref. Sta.	12 10
Time difference	+ 20
Corrected time at Subordinate station	12 30

	h. m.		feet		feet	Photo. No.
Time H. T. or L. T.	12 30	Ht. H. T. L. T.	0.1	Feature bares		21988
Required time	14 02	Tabular correction	0.1	Stage of tide above MLW		
Interval	1 32	Stage of tide above MLW	0.2	Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

TO BE CHARTED

STRIKE OUT ONE

Morgan City, Louisiana

April 29 1948

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

The positions given have been checked after listing by W. W. Dawsey
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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS ~~OR CHARTED LANDMARKS~~ FOR CHARTS~~TO BE DELETED~~
TO BE DELETED

STRIKE OUT ONE

Morgan City, Louisiana

3 May, 1944

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

The positions given have been checked after listing by

I. I. Saperstein

Tampa Photogrammetric Office

Charles W. Clark Chief of Party.

LOUISIANA			POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED		
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE							DATUM	
				° ' "	D. M. METERS	° ' "								D. P. METERS
		<u>East Cote Blanche Bay</u>												
LT. 2	Salt Point			29 34.3		91 32.7		N A 1927		X		1276		
Unnumbered " "	" "			29 34.5		91 32.6		"		X		1276		
DAYBEACON												1051		
LT. 1	East Cote Blanche Bay			29 36.4		91 33.2		"		X		"		
DAYBN. 2	" "	" "		29 36.3		91 33.2		"		X		"		
" 3	" "	" "		29 36.5		91 33.1		"		X		1276		
" 4	" "	" "		29 36.4		91 33.0		"		X		"		
" 5	" "	" "		29 36.5		91 32.9		"		X		"		
" 6	" "	" "		29 36.4		91 32.9		"		X		"		
" 7	" "	" "		29 36.6		91 32.9		"		X		"		
" 9	" "	" "		29 36.8		91 32.9		"		X		"		
LT. 1	Bayou Sale Entrance			29 32.9		91 32.2		"		X		1276		
Lt. 2	" "	" "		29 32.8		91 32.2		"		X		1051		
												"		

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 ⁶

NONFLOATING AIDS CANNOT BE USED FOR CHARTS

~~FOX BELL WARTER~~
TO BE DELETED

Morgan City, Louisiana 3 May 1948

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

The positions given have been checked after listing by

I. I Saparato in

Tampa Photogrammetric Office

Charles W. Clark *Chief of Party;*

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

REVIEW REPORT T-9023

Planimetric Map

April 23, 1951

62. Comparison with Registered Topographic Surveys

T-631	1:20,000	1857
T-632	1:20,000	1856
T-6325a	1:20,000	1935
T-6347b	1:20,000	1935

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

63. Comparison with Maps of Other Agencies

Bayou Sale, La., quadrangle. U.S.E., 1:62,500. 1938

For discussion of changes see Item 46 of the Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

None contemporary.

65. Comparison with Nautical Chart

Chart 1051	1:175,000	March 1949	<i>No change</i>
1116	1:458,596	May 1950	
1276	1:80,000	October 1950	<i>No change</i>

Changes in lights and day-beacons submitted on Forms 567, dated April 29, 1948, and May 3, 1948, have not as yet been applied to Charts 1051 and 1276 of the above print dates. *No change*

For a discussion of other changes in planimetry in the area see Item 46 of the Compilation Report.

66. Miscellaneous

Positions of offshore piles and day-beacons were determined from photo points identified on photograph 21988 (see also photo 21338) and with sextant fixes furnished in Vols. I and II, Form 250 for this quad., T-9023, in 1948 by Charles W. Clark.

This quadrangle was among those in this project for which field edit was not requested.

67. Adequacy of Manuscript

This compilation complies with project instructions
and with Standards of National Map Accuracy.

Reviewed by:

L. Martin Gazik
L. Martin Gazik

Approved by:

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

H. E. Munster
Chief, Nautical Chart Branch
Division of Charts *CRJ*

O. J. Reading
Chief, Div., Photogrammetry

Earl O. Heston
Chief, Div., Coastal Surveys
L.S.H.