

9026

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-9026

LOCALITY

State LOUISIANA

General locality LOUISIANA COAST

Locality ATCHAFALAYA BAY-SWEET BAY LAKE

194 8

CHIEF OF PARTY

C. W. Clark, Chief of Field Party.

A.L. Wardwell, Tampa Photogrammetric Office.

LIBRARY & ARCHIVES

DATE Jan-30-1953

B-1870-1 (1)

9026

DATA RECORD

T 9026

Project No. (II): **Ph-21(47)** Quadrangle Name (IV): **Sweet Bay Lake, 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): **1:50,000**

ISSUE
Publication date (IV): **April 1952**

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

Vertical Datum (III): **M.H.W.**

~~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): **SWRD, 1933**

Lat.: **29° 34' 16."866 (519.3m)**

Long.: **91° 13' 17."084 (459.9m)**

Adjusted
~~XXXXXX~~

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.

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

DATA RECORD

Field Inspection by (II): **Wm M. Reynolds**Date: **May 1948**Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II): **Field Check - C.A.N.**Date: **1950**

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

December 2, 1947**November 13, 1948****Air Photo compilation**Projection and Grids ruled by (IV): **W.E.W. (W.O.)**Date: **Feb. 24, 1948**Projection and Grids checked by (IV): **" "**Date: **Feb. 24, 1948**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 Stereoscopic~~~~Control checked by (III):~~**M.M. Slavney**Date: **March 28, 1949**

Stereoscopic Instrument compilation (III):

Planimetry

Contours

Inapplicable

Date:

Date:

Manuscript delineated by (III): **W.W. Dawsey**Date: **May 1949**Photogrammetric Office Review by (III): **J.A. Giles**Date: **May 1949**Elevations on Manuscript
checked by (II) (III):**Inapplicable**

Date:

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
21992	March 13, 1948	14:06		1: 20,000	No tide
21993	"	14:07		"	
21937	"	11:41		"	
21936	"	11:40		"	

Tide (III)

Reference Station: **No tide**
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

L. Martin Sajik
Catherine E. W. only.

Date: *May 16, 1951*

Final Drafting by (IV):

Date: *9/11/51 to 9/28/51*

Drafting verified for reproduction by (IV):

C. Dupier

Date: *March 19, 1952*

Proof Edit by (IV):

L. Martin Sajik

Date: *3-27-52*

Land Area (Sq. Statute Miles) (III): **52**

Shoreline (More than 200 meters to opposite shore) (III): **25.4 Statute miles**

Shoreline (Less than 200 meters to opposite shore) (III): **61.5 " "**

Control Leveling - Miles (II): **None**

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

Number of BMs searched for (II): **None** Recovered: **--** Identified: **--**

Number of Recoverable Photo Stations established (III): **1**

Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

Summary T-

21

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 Vermillion 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

COMPILATION REPORT T-9026

PHOTOGRAMMETRIC PLOT REPORT

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

31. DELINEATION

The manuscript was delineated graphically from nine-lens photographs, the scales of which ranged from good to poor.

The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs or in the delineation of the manuscript.

32. CONTROL

The identification, density and placement of pass points were adequate. A sufficient number of detail points were cut in to accurately delineate the manuscript.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in the delineation of drainage.

Contours are not applicable to this project.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was evident from the photographs and no difficulty was encountered in its delineation.

36. OFFSHORE DETAILS

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

37. LANDMARKS AND AIDS

The field inspector has identified a stack on the northern part of the quadrangle, but says nothing about its suitability for landmark purposes. The stack, was cut in radially and its position determined. A form 524 has been submitted. The field editor should determine if stack is suitable for charting for a landmark.

East Bend Lt. 2 could not be pricked on all office photographs and the sextant fix submitted by the field party would not hold. This light should be located by the field edit party. Located as Lt 88 by F.E., see Form 567 dated 14 August 1950 included herein.

38. CONTROL FOR FUTURE SURVEYS

Two forms 524 have been submitted by the field party. These stations have been included in paragraph 49.

39. JUNCTIONS

T-9027 to the east: in agreement
T-9025 to the west: in agreement
T-9021 to the north: in agreement
T-9032 to the south: in agreement

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

A portion of the St. Mary - Terrebonne Parish line falls within the quadrangle.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Morgan City quadrangle, Mississippi River Commission, scale 1:62,500, edition of 1935, reprinted 1938. The following difference was noted: The shoreline and marsh area has changed at approximate latitude $29^{\circ} 36.5'$ longitude $91^{\circ} 10.8'$.

47. COMPARISON WITH NAUTICAL CHARTS

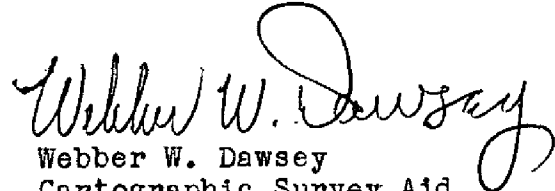
Comparison was made with Nautical Chart 1050, scale 1:175,000, published in October 1939 and bearing a print date of May 23, 1949, and nautical chart 1276, scale 1:80,000 published in March 1939 and bearing a print date of May 23, 1949. The map listed under Item 46 was apparently the main source of the planimetry on these nautical charts and the same difference listed under that item applies.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

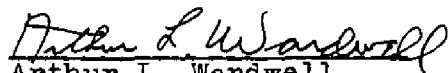
None.

ITEMS TO BE CARRIED FORWARD

None.


Webber W. Dawsey
Cartographic Survey Aid

Approved and forwarded:


Arthur L. Wardwell,
Chief of Party.

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.

AVOCA ISLAND
BATEMAN ISLAND
BAYOU CHENE
BAYOU PENCHANT
BAYOU SHAFFER
BIG HORN BAYOU
BLACKBIRD BAYOU
CUT-OFF BAYOU
DEER ISLAND BAYOU
DRY HORN BAYOU
EAST BEND
HACKERRY BAYOU
HALFWAY BAYOU
HONEY BAYOU
HONEY ISLAND
KENT BAYOU
LAKE GASCHA
LITTLE BAYOU PENCHANT
LITTLE HORN BAYOU
LOWER ATCHAFALAYA RIVER
LOWER PASS
PARTRIDGE BAYOU
ST MARY PARISH
SWEETBAY LAKE
SWORD BAYOU
SWORD POINT
TERREBONNE PARISH
TOWHEAD BAYOU
UPPER PASS
WEST POINT

Names approved,

5-15-51,

a. j. w.

49. NOTES FOR THE HYDROGRAPHER

The following are topographic stations for which
form 524 are being submitted:

~~EAST END LT. 2, 1948~~ Lt 88, Form 567, 8-14-50.

STACK, 1948

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ORIENTATION MARKERS FOR CHARTS

**TO BE CHARTED
TO BE EXPLORED**

STRIKE OUT ONE

Morgan City, La.

May 4, 1961

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(be charted from)~~ the charts indicated.

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

Tampa Photogrametric 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

PHOTOGRAPHIC REVIEW SECTION

~~NONE/NO/ANY/ /AIDS/ OR/ LANDMARKS FOR CHARTS~~

TO BE CHARTED } STRIKE OUT ONE

Morgan City, Louisiana 14 August 1950

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

The positions given have been checked after listing by

George E. Norris, Jr. *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 *floating aids* to navigation.

50 PHOTOGRAMMETRIC OFFICE REVIEW

T- 9026

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

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

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. ~~13. Low water line~~ ~~14. High water line~~ ~~15. Bridges~~ 16. Aids to navigation J.G. 17. Landmarks J.G. 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. ~~22. Artificial ground cover~~ ~~23. Structures~~ ~~24. Contours in general~~ 25. Spot elevations J.G. 26. Other physical features J.G.

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines J.G. ~~32. Political boundaries~~

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.40. Jesse A. Giles 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:

M-2623-12
15

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~ROKVAE-THRE-THRE-THRE~~

STRIKE OUT ONE

0561 1950
SERIAL 77
MORGAN CITY, LOUISIANA

I recommend that the following objects which have ~~(1444/1444)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(1444/1444)~~ the charts indicated.

The positions given have been checked after listing by

George E. Morris, Jr.
Chief

[illegible]

This form shall be prepared in accordance with Hydrographic Manual pages 800 to 804.	Positions of charted landmarks and <i>nonfloating</i>
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Review Report T-9026
Planimetric Map
May 16, 1951

62. Comparison with Registered Topographic Surveys.-

T-1822	1888	1:10,000
T-1823	1888	1:10,000
T-6299a	1934	1:20,000
T-8893	1947	1:10,000
T-8894	1947	1:10,000

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

63. Comparison with Maps of Other Agencies.-

Morgan City, La., Quadrangle, USE, 1:62,500, 1938.
See item 65 below for changes in AVOCA ISLAND area.

64. Comparison with Contemporary 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

Much of the AVOCA ISLAND area that was being reclaimed or maintained by a system of levees and pumping stations is now submerged as a result of the abandonment of that system.

T-9021 and this survey therefore show more water and less marsh land than appear on Charts 1050 and 1276 in the AVOCA ISLAND area.

66. Field Check.-New positions for renamed and renumbered aids to navigation were furnished by Form 567 included in this report.

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

Reviewed by:

L. Martin Gazik
L. Martin Gazik

APPROVED

S. V. Griffith 1/23/53
Chief, Review Section
Div. of Photogrammetry

O. S. Reading
Chief, Div. of Photogrammetry

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

Carl O. Henton
Chief, Div. of Coastal Surveys

U.S.

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.