

9012

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. PH-21(17) Office No. T-9012

LOCALITY

State LOUISIANA

General locality VERMILION BAY

Locality BAYOU PETITE ANSE

1948

CHIEF OF PARTY

C. W. Clark, Chief of Field Party
A. L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE October 16, 1951

B-1870-1 (1)

2108

DATA RECORD

T - 9012

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

Quadrangle Name (IV): Bayou Petite Anse

Field Office (II): Abbeville, La.

Chief of Party: Charles W. Clark

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 12 Feb 48

Copy filed in Division of
Photogrammetry (IV)
Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): 5-25-50 Date reported to Nautical Chart Branch (IV): 5-26-50

Applied to Chart No.

Date:

Date registered (IV): 10-1-51

Publication Scale (IV): 1:20,000

Publication date (IV): August 1951

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~MANUSCRIPT~~ 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): CHAMPLAIN, 1933

Lat.: 29° 47' 49".966(1538.5m)

Long.: 91° 58' 51".266(1376.9m)

Adjusted

~~MANUSCRIPT~~

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): W.M. Reynolds

Date: July 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 and air photo compilation.

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

Date: 17 Feb 49

Projection and Grids checked by (IV): T.L.J. (" ")

Date: 17 Feb 49

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

Date: 23 Dec 48

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

Date: 23 Dec 48

Radial Plot ~~or Stereoscopic~~

Date: 10 Oct 49

~~Control extension~~ by (III): M.M. Slavney

Stereoscopic Instrument compilation (III):
 Planimetry
 Contours

Date:

Date:

Manuscript delineated by (III): I.I. Saperstein

Date: Nov. 1949

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

Date: Feb. 1950

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

Date:

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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
22088	13 Mar 48	1621	1:20,000	0.2
22089	"	1622	"	0.2
22090	"	1623	"	0.2
22061	"	1539	"	0.1

Tide (III)

Reference Station: Galveston
 Subordinate Station: Weeks Bay, Vermilion Bay
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.1	1.1	

Washington Office Review by (IV):

L. Martin Gazik

Date: 11-2-50

Final Drafting by (IV): Baltimore Office

Date:

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

Date: 7-24-51

Proof Edit by (IV):

L. Martin Gazik

Date: 8-2-51

Land Area (Sq. Statute Miles) (III): 27

Shoreline (More than 200 meters to opposite shore) (III): 17 mi

Shoreline (Less than 200 meters to opposite shore) (III): 59 mi

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 7

Recovered: 2

Identified: *5

Number of BMs searched for (II): None

Recovered: -

Identified: -

Number of Recoverable Photo Stations established (III): 4

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

Remarks:

* 4 of these triangulation stations were identified on Ph-14(46).

Summary T-9012

This planimetric survey is one of a series of 21 maps at 1:20,000 in the Gulf Coast area of Louisiana. Except for T-9032 and T-9033, each is $7\frac{1}{2}$ 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 ¹⁸~~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 at about 1935.

THE FIELD INSPECTION REPORT BOUND WITH
T-9013 COVERS THIS QUADRANGLE.

MAP T. 9012

PROJECT NO. Ph-21(47)

SCALE OF MAP 1: 20,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
STA. 768 \neq 00.29 (U.S.E.)	Deroven Quad No. 108	N.A. 1927	29 50 39.109 91 54 38.091			1204.2 (643.2) 1022.5 (588.1)	
STA. 680 \neq 01.67 (U.S.E.)	"	"	29 50 34.179 91 56 17.419			1052.4 (795.0) 467.6 (1143.0)	
STA. 611 \neq 80.98 (U.S.E.)	"	"	29 50 20.052 91 57 33.175			617.4 (1230.0) 890.6 (720.1)	
STA. 534 \neq 27.75 (U.S.E.)	"	"	29 50 01.254 91 58 58.380			38.6 (1808.8) 1567.3 (43.5)	
STA. 478 \neq 59.22 (U.S.E.)	"	"	29 49 42.055 91 59 57.669			1294.9 (552.5) 1548.3 (62.6)	
STA. 860 \neq 23.89 (U.S.E.)	"	"	29 50 38.869 91 52 53.312			1196.8 (650.6) 1431.1 (179.5)	
TT 58L (USGS) 1932	Abbeville Quad. No. 18	"	29 51 19.62 92 01 49.46	(Without the limits of this quadrangle).		604.1 (1243.3) 1327.6 (282.9)	
TT 57L (USGS) 1932	"	"	29 52 59.08 92 01 49.76	(Without the limits of this quadrangle).		1819.1 (28.3) 1335.2 (274.8)	
AVERY, 1931	ACC NO. P. 1244	"	29 54 13.918 91 54 08.182	"		428.5 (1418.9) 219.5 (1390.2)	
CHAMPLAIN, 1933	G " P. 1537	"	29 47 49.966 91 58 51.266			1538.5 (308.9) 1376.9 (234.5)	
SUB. STA. CHAMPLAIN	Comp.	"	29 48 91 58			26.4 (1821.0) 1542.4 (69.0)	
AVERY ISLAND SALT WORKS WATER TANK 1931	Gulf Coast ARC P. 86	"	29 53 40.250 91 54 34.896	(Without the limits of this quadrangle).		1239.3 (608.1) 936.3 (673.6)	

1 FT. = 3048006 MEYER

COMPUTED BY: J. Steinberg

DATE Sept. 1948

CHECKED BY: H.R. Rudolph

DATE Oct. 3, 1948

MAP T-9012

PROJECT NO. Ph-21(47).

SCALE OF MAP 1: 20,000

SCALE FACTOR 1.000

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE Sept. 1948

CHECKED BY: H.R. Rudolph

DATE Oct. 3, 1948

U.S. DEPARTMENT OF JUSTICE

COMPILATION REPORT, T-9012

PHOTOGRAMMETRIC PLOT REPORT:

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

31. DELINEATION:

The manuscript was compiled graphically from nine lens photographs, some of which were tilted. The scale ranged from fair to poor. The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

An attempt was made to trace the detail from the film positives of shoreline manuscripts T-8906 and T-8907. Detail points, on the map manuscript, could not be held with the corresponding details on the shoreline manuscripts.

It is to be noted that more control was used, especially north and south of the flight line, for this quadrangle than was used for the shoreline sheets.

32. CONTROL:

There was sufficient control identified to control the photographs, adequately.

BM 15 (USE) was reported as searched for but not recovered. This station plots 5m offshore in the Intracoastal Waterway and is probably lost.

33. SUPPLEMENTAL DATA:

No supplemental data was used.

34. CONTOURS AND DRAINAGE:

There is considerable drainage both natural and cultural. No difficulty was encountered in its delineation.

Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline inspection was adequate and no difficulty was encountered in the delineation.

No attempt was made to portray any shoal lines. Shoal lines for the area may be found on shoreline manuscripts T-8906 and T-8907.

36. OFFSHORE DETAILS:

There are no offshore details on this manuscript.

37. LANDMARKS AND AIDS:

There are no landmarks.

Two fixed aids to navigation were identified by the field party. They are MCILHENNY CANAL LIGHT 1 and 3. The positions of these aids do not agree with those on shoreline manuscript T-8907 (Reference Photogrammetric Plot Report, Item 22, Page 13 for information concerning McIlhenny Canal Light 1).

The geographic position for MCILHENNY CANAL DAYBEACON 6 was established by project Ph-14(46). This position was transferred from the film positive of shoreline manuscript T-8907 by holding adjacent details.

New positions for the three foregoing aids are submitted on Form 567.

MCILHENNY CANAL DAYBEACON 4 is shown on Intracoastal Waterway chart 882 and is listed in the 1949 Light List. This aid is not shown on shoreline survey T-8907 and was not identified by the field inspector for this quadrangle. The field editor should locate this aid. See Form 567.

38. CONTROL FOR FUTURE SURVEYS:

Four recoverable topographic stations were established by the field party and duly cut in radially during delineation.

Form 524 is herewith submitted for each station.

A list of these recoverable topographic stations has been prepared and included under Item 49.

39. JUNCTIONS:

T-9013 to the east: in agreement.

T-9105 to the west: in agreement.

~~Derouen, La., U.S.E., to the north.~~

~~No quadrangle to the south-water.~~

T-9563 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

41. BOUNDARY LINES:

There are no monuments or points on line between Vermilion and Iberia parishes. The line was constructed from the descriptions in the following manner: a line was drawn on a small scale map, or chart, from the mouth of Bayou Petite Anse to the west shore of Lake Peigneur. The bearing of this line was then drawn on the manuscript. Similarly, a line was drawn from the mouth of Bayou Petite Anse to Southwest Pass and this bearing was used on the manuscript. *Tied to line on T-9563 using same bearing.*

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with Mississippi River Commission quadrangle "Derouen, La" 1:62,500 edition of 1938 reprinted in 1939. The map manuscript is in good agreement except for the addition of a few ditches.

There are no planimetric maps available for comparison.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Intracoastal Waterway Chart 882, scale 1:40,000, published in February 1950 and corrected to 6 February 1950. The shoreline surveys listed under Item 31 were the main source of the planimetry shown on the chart; therefore, the manuscript and chart are in good agreement except for a slight horizontal displacement of details.

Comparison was also made with Nautical Chart 1277, scale 1:80,000, edition of 1938, corrected to March 19, 1948. No important discrepancies were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Irving I. Saperstein
Irving I. Saperstein
Cartographic Survey Aid

Approved and Forwarded.

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

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9012

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 MIS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG 7. Photo hydr. stations XXXXXX 8. Bench marks XXXXXX 9. Plotting of extent lines XXXXXX 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads XXXXXX 28. Buildings XXXXXX 29. Railroads XXXXXX 30. Other cultural features XXXXXX

BOUNDARIES

31. Boundary lines JG XXXXXX

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 JG 40. Jesse A. Giles William A. Hasure
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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SEC.
TO BE CHARTED

STRIKE OUT ONE

[illegible]

NONFLOATING AIDS OR CLEANERS FOR CHARTS

Abbeville, Louisiana

20 July, 1948

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

The positions given have been checked after listing by **Irvine J. Saperstein**

Irving I. Saperstela
Tampa Photo. Office

Charles W. Clark
Lt. Col. Gend. USCGS.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
				°	'	D. M. METERS	°		'						
LOUISIANA				29	49	739	91	54	156	N.A. Red. Plot 1927 T-9012	1948	X		882, 9051, 1277	
LT. 1	MCILHENNY CANAL -- black triangular slatted structure on piles.			29	49	1402	91	44	485	"	1948	X		"	
LT. 3	MCILHENNY CANAL -- black day-mark and pointer on pile dolphin.			29	50	887	91	55	1309	"	1948	X		"	
BM. 6	MCILHENNY CANAL -- Red pointer on pile. Red reflector.														

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to '804. Positions of charted landmarks and *nonfloating* aids to navigation shall be redetermined if redetermined for the charts of the area and not by the charts of the area.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Washington, D. C. 20 September, 1951

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

The positions given have been checked after listing by L. Martin Gazdik.

S. V. Griffith

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

GEOGRAPHIC NAMES

Survey No. T - 9012

GEOGRAPHIC NAMES		Survey No. T - 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(1943 B. G. N. decision, which Light List has not yet followed)

Names underlined in red are approved.
10-30-50. L. Heer

Review Report
Planimetric Map T-9012
2 November 1950

62. Comparison with Registered Topographic Surveys

T-1693	1:20,000	1886
T-1694	1:20,000	1886
T-6177	1:20,000	1934
T-8907	1:10,000	19

This planimetric survey, T-9012, supersedes the above listed surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Quadrangle - Derouen, La. 1:62,500 1938

64. Comparison with Contemporary Hydrographic Surveys

None contemporay.

65. Comparison with Nautical Charts

1277	1:80,000	1938
1051	1:175,000	1941
1116	1:458,596	1943
882	1:40,000	1950

(a) Low water line comparison. - On Chart 882 the green color plate covers much of TIGRE LAGOON to the low water line as indicated on H-1819 (1888).

Photograph 22089 (1948) at 1:20,000 taken at low water (0.2 ft. stage of tide) and photograph 18570 (1946) at 1:10,000 taken at low water (0.1 ft. stage of tide) do not show any portion of a mud flat or grass-in-water baring at low water. Photograph 18570 does however show the small areas baring at low water along the BAYOU PETITE ANSE as found on Chart 882.

(b) The existence and location of McIlhenny Cannal Daybeacon No. 4 and piles along the channel at the entrance to AVERY CANAL were not determined during field inspection.

66. Adequacy of Manuscript

This survey complies with the National Standards of Map Accuracy.

67. Miscellaneous

(a) AVERY CANAL was formerly known as MCILHENNY CANAL and navigational aids along the canal are still designated by the latter name in the Intracoastal Waterway Light List of 1950.

(b) Considering the lack of habitations and development in this bayou country no field edit was requested.

(c) Form M-2226-12 for traverse station 768+00.29 (USE) is filed under T-8907. Forms for the other traverse, topographic and triangulation stations in the area are filed under this quadrangle number.

Reviewed by:

L. Martin Gazik
L. Martin Gazik

A. V. Griffith
Chief, Review Section
Division of Photogrammetry

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

O. S. Reading
Chief, Division of Photogrammetry
-ORF

W. M. Acaife
Chief, Division of Coastal
Surveys HH

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9012

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.