

# 8909

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. \_\_\_\_\_ Office No. T-8909  
Project PH-14(46)

### LOCALITY

State Louisiana

General locality Gulf Coast Intracoastal  
Waterway

Locality Onion Lake to Croches Island

1947

### CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party  
Thos. B. Reed, Baltimore Photo. Office

### LIBRARY & ARCHIVES

DATE July 16, 1951

B-1870-1 (1)

8909

## DATA RECORD

T- 8909

Quadrangle (II):

Project No. (II): PH-14(46)

Field Office:  
Morgan CityChief of Party:  
Ross A. GilmoreCompilation Office:  
Baltimore, Md.Chief of Party:  
Thos. B. ReedInstructions dated (II III):  
Not datedCopy filed in *Div. Photogrammetry*  
~~Report No. T-~~ *Descriptive*  
*Office Files.* ~~(VI)~~

Completed survey received in office: 9-27-48

Reported to Nautical Chart Section: *Sept 48*Reviewed: *5/19/49* Applied to chart No. *882* Date: *2/28/49*  
*883* *4/5/50*  
*July 26, 1950*Redrafting Completed: *July 1950*  
*(partial)*Registered: *6/22/51*

Published: —

Compilation Scale: 1:10,000

Published Scale: —

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): STATION 6+ 03.6 PI (USE) 1939

Lat.: 29° 46' 59.142" (1821.0m) Long.: 92° 08' 20.695" (555.9m) Adjusted  
~~Used~~State Plane Coordinates (VI): *Louisiana, S*

X = \_\_\_\_\_

Y = \_\_\_\_\_

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
* 18575	11-23-46	1425	1:10,000	0.1' above MLW
* 18576	11-23-46	1425	"	" " "
18577	"	1426	"	" " "
18578	"	1427	"	" " "
* 18579	"	1434	"	" " "
* 18581	"	1436	1:10,000	" " "
** 18580	"	1435	1:10,000	" " "

\* - Office and field  
 \*\* - field only

Tide from (III): Predicted Tide Tables, Atlantic Ocean, 1946, Reference Station Galveston Texas, with corrections to Weeks Bay, Vermilion Bay.

Mean Range: 1.1'      Spring Range: Diurnal      1.5'

Camera: (Kind or source)  
 U.S. C. & G.S. nine lens camera, focal length 8 1/4"

Field Inspection by: Ross A. Gilmore      date: 5 July to 26 Sept. 1947

Field Edit by: *None*      date: \_\_\_\_\_

Date of Mean High-Water Line Location (III):  
 Same as photographs supplemented by field inspection

Projection and Grids ruled by (III) W.E.W.      date: 4-6-48

" " " checked by: W.E.W.      date: 4-6-48

Control plotted by: Unknown (Washington office)      date: Unknown

Control checked by: " " "      date: "

Radial Plot by: Roscoe J. French      date: 8 July 1948

Detailed by: Leroy A. Senasack      date: 27 July to 13 Sept. 1948

Reviewed in compilation office by: Harry R. Rudolph      date: 15-17 Sept. 1948

~~Elevations on Field Edit Sheet checked by: \_\_\_\_\_ date: \_\_\_\_\_~~

STATISTICS (III)

Land Area (Sq. Statute Miles): 24

Shoreline (More than 200 meters to opposite shore): 8 statute miles

Shoreline (Less than 200 meters to opposite shore): 40 statute miles  
Measured along Center line of stream

Number of Recoverable Topographic Stations established: one

Number of Temporary Hydrographic Stations located by radial  
plot: none

Leveling (to control contours) - miles:

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

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

Remarks:

MAP T.....8909

PROJECT NO. PH-14(46)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		-DATUM- CORRECTION Tolerance	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
VERMILION RIVER ENTRANCE LIGHT, 1933	Acc. No. G-1537 15	N.A. 1927	29° 45'	14.47			Held	445.5	1401.9	
STA. 6+ 03.6 PI (U.S.E.), 1939	Abbeville Quad(USE) 132	"	92 08	52.34			(One cut only)	1406.3	205.8	
TT-6918 (USGS) 1932	30	"	29 46	59.142			Held	1821.0	26.4	
STA. 2187+11.50 (U.S.E.)	Page 1 Photostat USE	"	92 08	22.77			Not Held	32.0	1815.4	
STA. 2060+85.64 (U.S.E.)	Photo- stat USE	"	92 09				1.7 mm	611.4	999.7	
P.B.M. 34 U.S.E.D. (1975+82), 1934 Mile Post 170	T-61776 USC&GS	"	29 47				Held	1506.7	340.7	
			92 11				Held	1259.0	352.7	
			29 47				0.5 mm	166.7	1680.7	
			92 13				Not held	1533.0	78.5	
							0.7 mm	1139.5	707.9	
								702.5	908.7	

See Form 524

Copied by **Leroy A. Senasack**      DATE **7-28-48**      Copy **H. R. Rudolph**  
 COMPUTED BY **Leroy A. Senasack**      CHECKED BY **H. R. Rudolph**      DATE **17 Sept. 1948**  
 M-2388-12

FIELD REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T - 8909

For field data covering Survey No. T-8909, refer to the field report, GULF INTRACOASTAL WATERWAY, L 81 (1947), Vermilion Bay, La. to Port Arthur, Texas, submitted by Ross A. Gilmore, dated October 1947.

*filed in nautical chart Board as letter 81 (47)*

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8909

This manuscript is one of a series of surveys in Project NO. PH-14 (46) which covers a narrow strip of land along the Gulf Intracoastal Waterway from Houma, La. to Corpus Christi Bay, Texas. This project was undertaken to furnish the necessary data to prepare a new series of inland waterway charts at 1:40,000 scale.

Compilation instructions were not furnished for this project.

26. CONTROL:

This manuscript was received from the Washington Office with control plotted thereon. A list of the stations is included in this report on Form No. M-2388-12. ✓

TT 69 LS (USGS) 1932 - radially plotted position falls 1.7 mm east of geographic position.

PBM 34 (USED), Sta. 1975+82 (USE), 1934 radially plotted position falls 0.7 mm east of geographic position.

Station 2060+85.64 (USE) radially plotted position falls 0.5 mm southwest of geographic position.

Station VERMILION RIVER ENTRANCE DAYBEACON 18 (VERMILION RIVER ENTRANCE LIGHT, 1933) was held with only one cut due to a smoke area on the photographs.

27. RADIAL PLOT:

The radial plot for this survey was made in the Washington Office. Refer to the radial plot reports covering Surveys Nos. T-8903 through T-8909, and Survey No. T-8909 through T-8915, submitted by Roscoe J. French, dated 8 June 1948, and 12 July 1948 respectively. ] TP 27 of Deser  
Rept. T-8903  
] A 27 of Deser.  
Rept. T-8910

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17, dated 15 September 1947. *Filed in Div. Photogrammetry Office Files.*

The shoreline of Vermilion Bay and Vermilion River Canal near the southeast corner of this manuscript could not be delineated due to the lack of photographic coverage.

28. DELINEATION (Continued)

For delineation of this map manuscript special ink furnished by the Washington Office was used. However, for thinning this ink, Craftint No. 150 Thinner was used instead of the alcohol thinner. Better results using No. 150 Thinner were obtained.

30. MEAN HIGH WATER LINE

The mean tide range in the area covered by this manuscript is about one foot thereby making the MHWL and the MLWL for all practical purposes one and the same.

31. MEAN LOW WATER LINE

See Mean High Water Line.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment

33. WHARVES AND SHORELINE STRUCTURES

No comment

34. LANDMARKS AND AIDS TO NAVIGATION

Three day beacons fall within the limits of this survey. The position of one, VERMILION RIVER ENTRANCE DAY BEACON 18, was determined by triangulation in 1933. The positions of the other two, Vermilion River Entrance Daybeacons 17 and 19 were determined by sextant fixes by the field party of 1947.

The positions of two piles near the entrance to Vermilion River were also determined by sextant fixes by the field party of 1947.

See Form No. 567 submitted with field report, Gulf Intracoastal Waterway, L 81 (1947), Vermilion Bay, La. to Port Arthur, Texas, submitted by Ross A. Gilmore, dated October 1947, for the position of these Daybeacons and Piles.

One landmark, DERRICK, shown on Chart No. 1277 between Intracoastal City and Vermilion Locks has been destroyed and should be deleted from Chart No. 1277.

See section of Chart No. 1277 submitted as a part of field report, Gulf Intracoastal Waterway, L 81 (1947).

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None



### 37. JUNCTIONS

This survey is bounded by the project limits to the north and south. Junction was made with Survey No. T-8910 to the west and is in agreement.

Junction was made with Survey No. T-8908 to the east and is in agreement except for one area near Lat. 29° 49'. Survey No. T-8908, which is now in the Washington Office, should be corrected in the above mentioned area to the delineation shown on this manuscript. *Done*

### 38. GEOGRAPHIC NAMES: 84 ✓

The geographic names were taken from U.S.G.S. Abbeville, La. quadrangles (SE quarter) and (SW quarter) scale 1:31,680, edition of 1932. No final names standard was furnished for this area. *See list attached.*

### 44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This survey was compared with U. S. Geological Survey Abbeville, La. quadrangles (SE) and (SW) scale 1:31,680, dated 1932. Quite a few changes were found to exist, the major of which are:

1. Grophes Island has diminished in size.
2. The area between Intracoastal City and Vermilion Lock has a road and bridge, and more spoil.
3. Vermilion Canal has been cut through.

### 45. COMPARISON WITH NAUTICAL CHARTS:

Due to the great difference in scale between this survey (scale 1:10,000) and nautical charts Nos. 1051 and 1116 (scale 1:175,000 and 1:458,000 respectively) a minute comparison could not be made. A general comparison was made with chart No. 1277, scale 1:80,000, published November 1938; corrected to 22 December 1947.

The following topographic information shown on T-8909 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of MHW are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

Shell Island in Vermilion Bay near entrance to Vermilion River.

Minor difference in cultural and shoreline details need no special discussion.

T-8909

Respectfully submitted:  
13 September 1948

Jeroy A. Jenasack  
Engineering Aid (Photo.)

Harry R. Rudolph  
Photogrammetric Engineer  
Photogrammetric Office Reviewer

Harry R. Rudolph  
Supervisor

Approved and forwarded  
23 September 1948

Howard B. ...  
Officer in Charge  
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

- • Bayou Chene . (North of the Intracoastal Waterway)
- • Bayou Chene . (South of the Intracoastal Waterway)
- • Bayou Glad .
- • Bayou Sorrow .
- \* Bayview Club House
- • Bebe Bayou .
- • Bebe Lake .
- • Grophes Island .
- • Hebert Canal .
- \* Hog Bayou
- • Intracoastal City .
- • Intracoastal Waterway .
- • Little White Lake .
- • Mud Lake .
- • Old Intracoastal Waterway .
- • Onion Lake .
- • <sup>is</sup> ~~P~~rogue Trail .
- \* Shell Island
- • Vermilion Bay .
- • Vermilion Canal .
- • Vermilion Lock .
- • Vermilion River .

Names preceded by •  
are approved. 5-18-49  
L. Heck

\* Names not shown on the manuscript since the features to which they apply could not be identified on the photographs.

- • La. No. 43 .

44 Comparison with Existing Topographic Quadrangles

Quadrangles

U.S.G.S. Abbeville S.E. La. 1:31,680 1932

U.S.G.S. Abbeville S.W. La. 1:31,680 1932

Topographic Surveys

T-6177 1:20,000 1934

*This map superseded T-6177 for nautical charting purposes.*

There are no contemporary hydrographic surveys in the area covered by the map manuscript.

45 Comparison with Nautical Charts

1277 1:80,000 1938-1947

*There are no significant differences between T-8909 and the chart.*

Reviewed by:

B. Thomas Hynson

B. Thomas Hynson

5/19/49

Approved by:

S. V. Griffith

Chief, Review Section E. & W.

H. A. Edmonston

Chief, Nautical Chart Branch  
Division of Charts

O. S. Reading

Chief, Division of Photogrammetry

W. M. Scaife

Chief, Div. of Coastal Surveys  
I.S.H.

*MS*

