

8914

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-8914

LOCALITY

State Louisiana

General locality Gulf Coast Intracoastal
Waterway

Locality Lattanier Island to Mermentau Lake

1946-'47

CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party

T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE August 8, 1950

8914

DATA RECORD

T- 8914

Quadrangle (II):

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

Field Office:
Morgan City, LouisianaChief of Party:
R.A. GilmoreCompilation Office:
Baltimore, MarylandChief of Party:
Thos. B. ReedInstructions dated (II III):
PH-14(46) Field (no date)Copy filed in ^{Division of} Descriptive
~~Report No. T- (VI)~~
Photogrammetry Office Files

Completed survey received in office: 10-6-48

Reported to Nautical Chart Section: 10-13-48

Reviewed: 30 June 1949 Applied to chart No. 883 Date: 3-27-50

Redrafting Completed: 4-17-50

Registered: 7-19-50

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): MHW

Reference Station (III): CANAL (U.S.G.S.) 1933

Lat.: 29° 56' 33.71" (1038.0m) Long.: 92° 41' 35.9" (962.8m)

Adjusted
~~Horizontal~~

State Plane Coordinates (VI): Louisiana South

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u> 90th meridian	<u>Scale</u>	<u>Stage of Tide</u>
18596 *	11-23-46	1447	1:10,000	not applicable
18597 *	11-23-46	1448	1:10,000	
18598 *	11-23-46	1449	1:10,000	
18599 *	11-23-46	1449	1:10,000	

* Field and Office Photographs

Tide from (III):

Mean Range:

~~Spring~~ Range:

Camera: (Kind or source)

U.S.C. & G.S. Nine lens camera, 8 1/2" focal length

Field Inspection by:

Harold A. Duffy, Charles H. Bishop

date: 5 July to 26 Sept. 1947

Field Edit by: None

date:

Date of Mean High-Water Line Location (III):

Same as date of photographs supplemented by field inspection

Projection and Grids ruled by (III) W.E.W. date: 5/21/48

" " " checked by: W.E.W. date: 5/21/48

Control plotted by: (unknown) Washington Office date: unknown

Control checked by: " " " date: unknown

Radial Plot by: Roscoe J. French date: 12 July 1948
E.H. Ramey

Detailed by: J.C. Richter date: 8 Sept. to 24 Sept. 1948

Reviewed in compilation office by: J.W. Vonasek date: 30 Sept. to 4 Oct. 1948

Elevations on Field Edit Sheet checked by: Not applicable

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 7

Shoreline (More than 200 meters to opposite shore): 16.5 statute miles

Shoreline (Less than 200 meters to opposite shore): 13.7 statute miles

Number of Recoverable Topographic Stations established: none

Number of ~~Temporary Topographic~~ ^{photo Hydro} 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:

FIELD REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8914

For Field data covering Survey No. T-8914 refer to the special Field Report L 81, 1947, Gulf Intracoastal Waterway, Vermilion Bay, Louisiana, to Port Arthur, Texas, submitted by Ross A. Gilmore, dated October 1947, filed in the Nautical Chart Branch.

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8914

This manuscript is one of a series of shoreline surveys in Project No. PH-14(46), located along the Intracoastal Waterway and covering a narrow strip of land from Houma, Louisiana 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 prepared.

26. CONTROL

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

27. RADIAL PLOT

The radial plot for this survey was made in the Washington Office. Refer to the radial plot report contained in the descriptive report for Survey No. T-8910.

28. DELINEATION

Limits of areas of marsh, high ground and the interpretation of other inland features were determined after careful stereoscopic examination of the photographs.

The field inspection of shoreline and offshore features was adequate for the area of this survey.

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 MLWL for all practical purposes one and the same.

The shoreline was delineated after careful stereoscopic examination.

31. MEAN LOW WATER LINE

See mean high water line.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

A number of oil wells, derricks and pilings in Mermentau Lake were indicated by the field party and were radially plotted on this manuscript.

33. WHARVES AND SHORELINE STRUCTURES

Delineated in accordance with field identification.

34. LANDMARKS AND AIDS TO NAVIGATION

Thirteen nonfloating aids in the area of this survey were identified by the field party. Eight of these could be identified on two photographs and were radially plotted. They are as follows:

Amerada Pipe Line Day Beacon	12
" " " "	14
" " " "	16
" " " "	18
Pipe Line Day Beacon	2
" " " "	4
" " " "	6
" " " "	8

The remaining five were visible only on photographs 18599 and their positions were plotted as follows:

A straight line was drawn on photograph 18599 from Amerada Pipe Line Day Beacon 18 thru Day Beacons 16, 14, 12, 10, 8, 6, 4, 2 and extended until it intersected a structure on piles just southwesterly of the day beacons.

A point on this structure where it was intersected by the extended line was identified on two photographs and plotted. A line was drawn on the manuscript through this position and Day Beacon 12. Photograph 18599 was then oriented under the manuscript and radials were drawn through Amerada Pipe Line Day Beacons 2, 4, 6, 8, and 10. The intersection of these radials with the previously drawn line are the positions plotted on the manuscript for Day Beacons 2, 4, 6, 8, and 10.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. JUNCTIONS

Junctions have been made to the east with Survey No. T-8913 and with

37. JUNCTIONS (Cont'd.)

Survey No. T-8915 to the west and are in good agreement.

Project limits are to the north and south.

38. GEOGRAPHIC NAMES *Q14 ✓*

Geographic names were taken from the Final Names Standard submitted by the Washington Office.

approved

A list of Geographic Names is attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8914 has been compared in detail with U.S. Geological Survey, Grand Lake East, Louisiana quadrangle (NW) and found to be in fair agreement except for the following:

Flat Prairie Island on the east and west side of Ridge Canal and also a point of land approximately 300 meters southeast of Flat Prairie Island have been shown as marsh in accordance with field inspection.

In the marsh south of Bird Island at approximately lat. $29^{\circ} 55' 17''$, long. $92^{\circ} 42' 40''$, a canal has been dug 230 meters southerly.

45. COMPARISON WITH NAUTICAL CHART

Due to the great difference in scale between this manuscript at 1:10,000 and Nautical Chart No. 1051 at 1:175,000, a minute comparison could not be made.

The following topographic information shown on Survey No. T-8914 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:

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

Respectfully submitted
24 September 1948

John C. Richter
Engineering Draftsman

Joseph W. Vonscek
Photogrammetric Office Reviewer

Harry P. Randolph
Supervisor

Approved and forwarded
13 October 1948

Thos Baird
Officer in Charge
Baltimore Photogrammetric Office

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR~~ ~~MARKERS~~ FOR CHARTS

TO BE CHARTED
~~OR~~ ~~MARKERS~~

STRIKE OUT ONE

Baltimore, Maryland

Sept. 26

19 48

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

The positions given have been checked after listing by *Joseph W. Vonasek* and *Thos. B. Reed*

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	NEARBY CHARTS	CHARTS AFFECTED
				LATITUDE		LONGITUDE						
				°	'	°	'					
	Daybeacon	Amerado Pipe Line Daybeacon-										
	2	"		29 55	1675	92 43	1522	N.A. 1927	1947	X X	883 1051	
	4	"		29 55	1832	92 43	1278	"	"	X X	"	
	6	"		29 56	148	92 43	1026	"	"	X X	"	
	8	"		29 56	316	92 43	767	"	"	X X	"	
	10	"		29 56	481	92 43	512	"	"	X X	"	
	12	"		29 56	684	92 43	198	"	"	X X	"	
	14	"		29 56	817	92 42	1598	"	"	X X	"	
	16	"		29 56	974	92 42	1358	"	"	X X	"	
	18	"		29 56	1146	92 42	1095	"	"	X X	"	
	2	Pipe line daybeacon		29 56	165	92 44	908	"	"	X X	"	
	4	"		29 56	406	92 44	1092	"	"	X X	"	
	6	"		29 56	643	92 44	1275	"	"	X X	"	
	8	"		29 56	885	92 44	1460	"	"	X X	"	

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 individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

- Bird Island ✓
- Flat Prairie Island ✓
- ✓ Gueydan Canal ✓
- Gum Tree Ridge ✓
- ✓ Intracoastal Waterway ✓
- ✓ Lattanier Ditch ✓
- Lattanier Island ✓
- ✓ Little Prairie Island ✓
- ✓ Mallard Bay ✓
- Mallard Bay Island ✓
- Maple Marsh ✓
- Mermentau Lake ✓ (Pending with USB&N)
- ✓ Oak Island ✓
- ✓ Perreau Island ✓
- Rabbit Island ✓
- ✓ Ridge Canal ✓

Names preceded by
are approved. 6-24-49
L. Heck

Review Report
Shoreline Survey T-8914

44 Comparison with existing surveys:

A. Quadrangles:
Grand Lake East, La. (NW) 1:31680 - 1932

B. Topographic Surveys:

T-6177 1:20,000 1934

C. Hydrographic Surveys: T-8914 supersedes T-6177 for nautical charting purposes.

There are no contemporary surveys in this area.

47 Adequacy of Compilation

Field inspection was adequate in the immediate vicinity of the Intracoastal Waterway.

Reviewed by:

Howard J. Murray
Howard J. Murray 6-1-49

A. V. Griffith
Chief, Review Section R.H.M.

H. R. Johnston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
K Chief, Division of Photogrammetry

W. M. Acaife
Chief, Div. of Coastal Surveys

