

8916

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. Proj. PH-14(46) Office No. T-8916

LOCALITY

State Louisiana

General locality Gulf Coast Intracoastal Waterway

Locality Bayou Misere - Bell City Drainage Canal

194 6-'47

CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party

T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE September 18, 1950

B-1870-1 (1)

8916

DATA RECORD

T-8916

Quadrangle (II):

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

Field Office: Morgan City, La.

Chief of Party:

Ross A. Gilmore

Compilation Office:

Baltimore, Md.

Chief of Party:

Thos. B. Reed

Instructions dated (II III):

PH-14(46) Field, not dated

Copy filed in ^{Division of} ~~Descriptive~~
~~Report No. T-~~ (VI)

Photogrammetry Office Files

Completed survey received in office: 10 - 14 - 48

Reported to Nautical Chart Section: 10 - 21 - 48

Reviewed: July 11, 1949 Applied to chart No. 883 Date: 3-27-50

Redrafting Completed: 4-20-50

Registered: 7 - 21 - 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): CLAY, 1934

Lat.: 29 55 34.950 (1076.1m.) Long.: 92 58 29.964 (803.7m.)

Adjusted
~~Coordinates~~

State Plane Coordinates (VI): Louisiana South

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	90th meridian <u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
18606	23 Nov. 1946	1502	1:10,000	Not applicable
18607	"	1503	"	
18608	"	1504	"	
18609	"	1504	"	
18611	"	1513	"	
18612	"	1514	"	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U.S. Coast and Geodetic Survey Nine lens focal length 8 1/4"

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) WEW

date: 21 May 1948

" " " checked by: WEW

date: 21 May 1948

Control plotted by: M.F. Kirk

date: 8-25-48

Control checked by: R. Glaser

date: 8-26-48

Radial Plot by: F.J. Tarca

date: 9-7-48

Detailed by: D.A. Maskell

date: 9-16-48 to
9-30-48

Reviewed in compilation office by: J.W. Vonasek

date: 5 Oct. to 11 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): 12 statute miles

Shoreline (Less than 200 meters to opposite shore): 14 " "

Number of Recoverable Topographic Stations established: none

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:

-4-

FIELD REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8916

For field data covering Survey T-8916 refer to the special field report L(81) 1947, Gulf Intracoastal Waterway, Vermilion Bay, La., to Port Arthur, Texas, filed in the Nautical Chart Branch.

COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8916

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 Vermilion Bay, La. to Port Arthur, Texas. This survey covers the strip of land from one mile west of Bell City Drainage Canal to Bayou Misere.

Compilation instructions were not furnished for this project.

26. CONTROL

For the layout of control on this manuscript refer to the Radial Plot Report. A list of control stations is included in this report. ~~on Form M-2388 12.~~

Radial plot report is filed within Descriptive Report T-8915.

Two stations could not be held in the radial plot. The radially plotted position of R.M. No. 2, JUNCT. (USGS) 1934, falls 0.9 mm north of its geographic position. The field party reported the station as being lost due to the widening of the canal. The reference monument was found in poor condition, leaning 45°. Since the geographic position of R.M. No. 2 falls in water, it is assumed that R.M. No. 2 has been moved.

See Review

The radially plotted position of CADY (USGS) 1933 falls 1.2mm northeast of its geographic position. No apparent reason for this discrepancy has been found. The position of this station should be verified.

See Review.

27. RADIAL PLOT

Refer to the Radial Plot Report for Surveys T-8915 to T-8919 submitted to the Washington Office 16 September 1948.

28. DELINEATION

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

The field inspection was adequate for the area covered by this survey. Limits of areas of marsh, high ground, and interpretations of other inland features were determined after careful stereoscopic examination of the photographs.

30. MEAN HIGH WATER LINE

The mean tide range in this area being approximately one foot makes the MHWL and the MLWL practically the same.

31. MEAN LOW WATER LINE

See MHWL above

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Delineated in accordance with field identification and office interpretation.

33. WHARVES AND SHORELINE STRUCTURES

None.

34. LANDMARKS AND AIDS TO NAVIGATION

None.

35. HYDROGRAPHIC CONTROL

None

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

38. GEOGRAPHIC NAMES *944*

Geographic names were taken from the final name sheet furnished this office. A list of names is attached to this report.

39. JUNCTIONS *approved*

This survey is bounded by project limits to the north and south and by Survey T-8915 to the east and Survey T-8917 to the west. Junction was made with these surveys and are in agreement.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This manuscript was compared with United States Geological Survey, Lake Misere quadrangle, scale 1:31,680, edition of 1935, and found to be in good agreement.

45. COMPARISON WITH NAUTICAL CHARTS

This manuscript was compared with USC&G Survey Chart No. 1051 and

45. COMPARISON WITH NAUTICAL CHARTS (Cont'd)..

found to be in good agreement.

The following topographic information shown on T-8916 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:

None.

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

Respectfully submitted
30 September 1948

Doris Maskell
Engineering Draftsman

Joseph W. Vonnack
Photogrammetric Engineer
Photogrammetric Office Reviewer

Harry R. Rudolph
Supervisor

Approved and forwarded
13 October 1948

Thomas B. Rind
Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAME LIST

- ✓ Bayou Misere ✓
- ✓ Bell City Drainage Canal
- ✓ Black Grove
- ✓ Blue Grove ✓
- ✓ Intracoastal Waterway ✓
- ✓ Lake Misere ✓
- ✓ Little Lake Misere
- ✓ Lost Island
- ✓ The Narrows

Names preceded by • are
approved. 7-5-49.
L. Heck.

Review Report
Shoreline Survey T-8916

26. Control:

During the delineation of this manuscript the geographic position of Junct RM2, 1934 was held, while the radially plotted position fell in the water. The reverse case was true of station Cady (USGS) 1933, the radially plotted position was held and the geographic position fell in the water. Disposition of this discrepancy was effected as follows:

The proximity of both Cady and Junct R.M.2 to the azimuth lines of the single strip of photos covering this area indicated the possibility of weak radial line intersections. As a result the radially plotted positions of the two stations were disregarded. The office photos were laid under the manuscript and while surrounding control was held, rays were drawn and a new point within standard accuracy requirements was obtained for each station. The manuscript was redetailed in the immediate area of the two stations.

- A form 524 was submitted for Junct RM 2 and is in the general files of the Division of Photogrammetry.

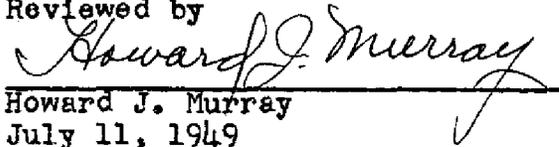
44. Comparison with existing surveys:

- A. Topographic Surveys
 - T-6176 1:20,000 1934
 - T-8916 Supersedes T-6176 for nautical charting purposes.
- B. Hydrographic surveys:
 - There are no contemporary surveys covering this area.

47. Adequacy of Compilation:

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

Reviewed by


Howard J. Murray
July 11, 1949

APPROVED:

A. V. Griffith
Chief, Review Section *h.w.*
Division of Photogrammetry

J. M. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry
R

W. M. Asaife
Chief, Div. of Coastal Surveys
W. H.

