8919

Diag. Cht. No. 1116-2

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. Office No. T-8919

LOCALITY

State Louisiana

Gulf Coast Intracoastal Waterway

Locality Willow Lake - South Fork Black Bayou

1946-47

CHIEF OF PARTY
R.A. Gilmore, Chief of Field Party
T.B. Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE November 29, 1950
DATA RECORD

T-8919

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

Field Office: Morgan City, La. Chief of Party: Ross A. Gilmore

Compilation Office: Chief of Party: Thos. B. Reed
Baltimore, Md.

Instructions dated (II III): PH-14(46) Field, not dated

Completed survey received in office: 11-2-48

Reported to Nautical Chart Section: 11-8-48

Reviewed: July 19, 1949 Applied to chart No. 884 Date: 8-18-50

Redrafting Completed: 4-27-50

Registered: 10-11-50 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): NEW, 1934

Lat.: 30° 00' 02.390" (78.6m) Long.: 93° 13' 28.743"(770.4m) Adjusted

State Plane Coordinates (VI): X = South

Y =

Military Grid Zone (VI)
<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>18629</td>
<td>11/23/46</td>
<td>1541</td>
<td>1:10,000</td>
<td>Not applicable</td>
</tr>
<tr>
<td>18630</td>
<td>11/23/46</td>
<td>1541</td>
<td>1:10,000</td>
<td></td>
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<tr>
<td>18631</td>
<td>11/23/46</td>
<td>1542</td>
<td>1:10,000</td>
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</tbody>
</table>

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
J. S. Howell
date: 7/5/47 to 9/26/47

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.
" " " checked by: W. E. W.
date: 5/24/48

date: 5/24/48

Control plotted by: John C. Richter
date: 9/7/48

Control checked by: F. J. Tarcza
date: 9/7/48

Radial Plot by: F. J. Tarcza
date: 9/9/48

Detailed by: D. A. Maskell
date: 10/1/48 to 10/14/48

Reviewed in compilation office by: J. W. Vonasek
date: 21 Oct. to 26 Oct.

Elevations on Field Edit Sheet checked by:
date:
STATISTICS (III)

Land Area (Sq. Statute Miles): 5

Shoreline (More than 200 meters to opposite shore): 4 statute miles

Shoreline (Less than 200 meters to opposite shore): 15 statute miles

Number of Recoverable Topographic Stations established: none

photo hydro
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:
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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</thead>
<tbody>
<tr>
<td>NEW, 1934</td>
<td>G-1773 Pg. 52</td>
<td>N.A. 1927</td>
<td>30 00 02.390</td>
<td>73.6 1773.9</td>
<td>770.4 837.7</td>
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<tr>
<td>McCain, 1934</td>
<td>G-1773 Pg. 51</td>
<td>G-1537 1927</td>
<td>30 00 51.278</td>
<td>1578.9 268.6</td>
<td>23.2 1584.7</td>
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<td>GRAND LAKE CATHOLIC CHURCH, 1932</td>
<td>30 00 39.61</td>
<td>1219.6 627.9</td>
<td>928.3 679.6</td>
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<td></td>
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<td>Lake Charles Quad Pg. 4</td>
<td>93 13 32.22</td>
<td>1207.6 639.9</td>
<td>1145.7 462.3</td>
<td>Station lost</td>
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<tr>
<td></td>
<td></td>
<td>TT 156 LS, 1932</td>
<td>30 00 35.49</td>
<td>1708.6 138.9</td>
<td>1192.9 444.0</td>
<td>Removed from manuscript</td>
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<tr>
<td></td>
<td></td>
<td>TT 157 LS, 1932</td>
<td>93 10 44.55</td>
<td>746.3 1101.2</td>
<td>1139.4 473.1</td>
<td>Station lost</td>
<td></td>
</tr>
<tr>
<td>Willow (USGS) 1934</td>
<td>G-1773 Pg. 51</td>
<td></td>
<td>93 11 42.351</td>
<td>746.3 1101.2</td>
<td>1139.4 473.1</td>
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<td></td>
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</tbody>
</table>
FIELD REPORT

SHORELINE MANUSCRIPT  SURVEY T-8919

For field data covering Survey T-8919 refer to the special report L 81(1947) Gulf Intracoastal Waterway, Vermilion Bay, La. to Fort Arthur, Texas, filed in the Nautical Chart Branch.
COMPILATION REPORT

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 Intra-coastal Waterway from Vermilion Bay, La. to Port Arthur, Texas. This survey covers the waterway from South Fork Black Bayou to Willow Lake.

26. CONTROL

For the layout of control on this manuscript refer to the radial plot report for Surveys T-8915 to T-8919 submitted to the Washington Office on 16 September 1948. A list of control stations is included in this report on Form M-2388-12.

Station TT 156 LS (USGS) 1932 is lost but its location was pointed out by local residents and picked direct. WILLOW, 1934, was believed to be lost. The field party gave no information regarding TT 157 LS. These last two stations were not used in this radial plot.

27. RADIAL PLOT

Refer to the Radial Plot Report for Surveys T-8915 to T-8919 submitted to the Washington Office on 16 September 1948, and filed within the Descriptive Report T-8915.

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 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 interpretation 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

No comment.
33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

None

35. HYDROGRAPHIC CONTROL

None

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

37. GEOGRAPHIC NAMES

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

39. JUNCTIONS

This survey is bounded by project limits to the north and east. Junctions to the south with Survey No. T-8918 and to the west with Survey No. T-8920 have been made and are in agreement.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This manuscript was compared with United States Geological Survey Quadrangles Sweet Lake, La., scale 1:31,680, and Lake Charles, scale 1:62,500, and found to be in agreement.

45. COMPARISON WITH NAUTICAL CHARTS

This manuscript was compared with the U. S. C. & G. S. Chart No. 1051 and found to be in good agreement.

The following topographic information shown on T-8919 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
25 October 1948

Harry A. Marshall
Engineering Draftsman

Joseph W. Voseck
Photogrammetric Engineer
Photogrammetric Office Reviewer

Approved and forwarded
29 October 1948

Thos. O. Pend
Officer in Charge
Baltimore Photogrammetric Office
GEOGRAPHIC NAMES

- Intracoastal Waterway
- South Fork Black Bayou
- Willow Lake
- State No. 931
- Grand Lake Ridge (as on naut. ch. 1051)

Names preceded by * are approved 7-18-49

v. Heck
Comparison with Existing Surveys:

A. Quadrangles:
   - Sweet Lake, La. 1:31680  1934
   - Lake Charles, La. 1:62500  1940

B. Topographic Surveys:
   - T-60/3  1:20,000  1934
   - T-8919 is superseded for nautical charting purposes.

C. Hydrographic Surveys:
   - There are no contemporary surveys covering this area.

Comparison with Nautical Charts

591  1:40,000  1949 (latest correction date)

Adequacy of Compilation

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

Reviewed by:

Howard J. Murray

Reviewed by:

Howard J. Murray 7-19-47

APPROVED BY:

E.V. Griffith
Chief, Review Section

E.H. Kirsch
Chief, Division of Photogrammetry

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