**DIAG. CHT. NO. 1116-2**

**FORM 504**

**U.S. COAST AND GEODETIC SURVEY**

**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Photogrammetric Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Project PH-14(46) T-8908</td>
</tr>
<tr>
<td></td>
<td>Office No.</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Louisiana</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Gulf Coast Intracoastal</td>
</tr>
<tr>
<td>Waterway</td>
<td></td>
</tr>
<tr>
<td>Locality</td>
<td>Lake Cock to Onion Lake</td>
</tr>
</tbody>
</table>

**1947**

**CHIEF OF PARTY**

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

**LIBRARY & ARCHIVES**

**DATE**

June 25, 1951
DATA RECORD
T-8908

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

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

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

Instructions dated (II III): Copy filed in Descriptive
Ph-14(46) Field. Not dated Report No. T-

Completed survey received in office: 8-20-48

Reported to Nautical Chart Section: 8-27-49

Reviewed: 6/13/49 Applied to chart No. 882 Date: 2/25/49

Redrafting Completed:

Registered: 5-1-51 Published:

Compilation Scale: 1:10,000 Published Scale:

Scale Factor (III): 1.00


Reference Station (III): 123 + 89.93 (U.S.E.)

Lat.: 29-47-39.78 (1224.8m) Long.: 92-06-15.25 (409.6m) Adjusted

115 D.R. states this: s/s shows
end of line of bearing been destroyed.

State Plane Coordinates (VI):
Louisiana South Zone

X = Y =

Military Grid Zone (VI)
PHOTOGRAPHS (III)

<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>18572 thru 18574</td>
<td>11/23/46</td>
<td>1423</td>
<td>1:10,000</td>
<td>+ 0.1' above MLW</td>
</tr>
</tbody>
</table>

Predicted Tide Tables, Atlantic Ocean, 1946, Reference Station
Tide from (III): 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 8½"

Field Inspection by: Harold A. Duffy and B. Locke date: 5 July to 26 September 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: 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: R.J. French date: 8 June 1948
Detailed by: M.F. Kirk date: 19 July 1948
2 August 1948

Reviewed in compilation office by: J.W. Vonasek date: 5 Aug. to 10 Aug. 1948
Elevations on Field-Edit Sheet checked by: date:
STATISTICS (III)

Land Area (Sq. Statute Miles): 28.9

Shoreline (More than 200 meters to opposite shore): 21.6 st. miles

Shoreline (Less than 200 meters to opposite shore): 62.0 st. miles

Number of Recoverable Topographic Stations established: none

Number of 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:
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR $\xi$-COORDINATE</th>
<th>LONGITUDE OR $\iota$-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION TOLERANCE</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbeville</td>
<td>150</td>
<td>N.A. 1927</td>
<td>29 49</td>
<td>35.94</td>
<td>1106.6</td>
<td>44.4</td>
<td>1166.6</td>
<td></td>
</tr>
<tr>
<td>460 + 85.73 (USE)</td>
<td>140</td>
<td>29 49</td>
<td>19.68</td>
<td>92 01</td>
<td>605.9</td>
<td>1241.5</td>
<td>181.8</td>
<td>1429.2</td>
</tr>
<tr>
<td>413 + 69.13 (USE)</td>
<td>148</td>
<td>29 01</td>
<td>06.77</td>
<td>(one cut)</td>
<td>181.8</td>
<td>1429.2</td>
<td>84.0</td>
<td>1527.0</td>
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<tr>
<td>360 + 75.34 (USE)</td>
<td>146</td>
<td>29 19</td>
<td>01.13</td>
<td>92 02</td>
<td>44.0</td>
<td>1803.4</td>
<td>84.0</td>
<td>1527.0</td>
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<tr>
<td>315 + 89.88 (USE)</td>
<td>144</td>
<td>29 48</td>
<td>45.97</td>
<td>92 02</td>
<td>1415.4</td>
<td>432.0</td>
<td>1366.3</td>
<td>244.9</td>
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<tr>
<td>123 + 89.93 (USE)</td>
<td>137</td>
<td>29 47</td>
<td>39.78</td>
<td>92 06</td>
<td>1224.8</td>
<td>622.6</td>
<td>409.6</td>
<td>1201.9</td>
</tr>
<tr>
<td>SUB. STA.</td>
<td>478 + 59.22 (USE)</td>
<td>Rev. 187</td>
<td>29 49</td>
<td>92 02</td>
<td>1236.8</td>
<td>Removed</td>
<td>Removed from manuscript</td>
<td>80.2</td>
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<tr>
<td>SUB. STA.</td>
<td>460 + 85.73 (USE)</td>
<td>150</td>
<td>29 49</td>
<td>92 00</td>
<td>1.00mm</td>
<td>Plotted by protractor in Washington Office but is not symbolized on manuscript, only is shown.</td>
<td></td>
<td></td>
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<tr>
<td>282 + 56.23 (USE)</td>
<td>143</td>
<td>29 48</td>
<td>34.48</td>
<td>92 03</td>
<td>1538.5</td>
<td>308.9</td>
<td>1376.9</td>
<td>234.7</td>
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<tr>
<td>227 + 45.42 (USE)</td>
<td>141</td>
<td>29 48</td>
<td>15.48</td>
<td>92 04</td>
<td>1538.5</td>
<td>308.9</td>
<td>1376.9</td>
<td>234.7</td>
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<tr>
<td>98 + 95.49 (USE)</td>
<td>136</td>
<td>29 47</td>
<td>31.18</td>
<td>92 06</td>
<td>1538.5</td>
<td>308.9</td>
<td>1376.9</td>
<td>234.7</td>
</tr>
</tbody>
</table>

No dates could be found for the above USE stations.
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 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 the control plotted thereon. A list of the stations is included in this report on Form No. M-2388-12. The following stations were not held in the radial plot:

Sub. Sta. 460 + 85.73 (USE), tolerance 1.00 mm;
360 + 75.34 (USE), tolerance 1.00 mm.

Sta. Station 413 + 69.13 (USE) 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 report, covering Survey Nos. T-8903 through T-8909, by Roscoe J. French, dated 8 June 1948.

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17, dated 15 September 1947.

F iled in Div. Photogrammetry Office Files

The shoreline of Vermilion Bay along the south limits of the manuscript could not be fully delineated due to the lack of photographic coverage.

The shoreline of Vermilion Bay was extended past the eastern limits of the sheet to make full junction with T-8907.

29. 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
   Delineated in accordance with the field identification.

33. WHARVES AND SHORELINE STRUCTURES
   No comment

34. LANDMARKS AND AIDS TO NAVIGATION
   There are no landmarks or aids to navigation in the area of this survey.

35. HYDROGRAPHIC CONTROL
   None

36. LANDING FIELDS AND AERONAUTICAL AIDS
   None

38. GEOGRAPHIC NAMES

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

39. JUNCTIONS

   This survey is bounded by the project limits to the north and south, Survey No. T-8907 to the east, and Survey No. T-8909 to the west. Junctions were made with these two surveys in the compilation office.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

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

   1. Stump Island has diminished in size
   2. Gum Island has all but disappeared

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
45. **COMPARISON WITH NAUTICAL CHARTS** (Continued)  

1:458,596 respectively) a minute comparison could not be made. Comparison was made with chart No. 1277, scale 1:80,900, published November 1938; corrected to 22 December 1947.

The following topographic information shown on T-8908 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 differences in cultural and shoreline details need no special discussion.

Respectfully submitted:
2 August 1948

[Signature]
Topographic Engineer

[Signature]
Photogrammetric Engineer
Photogrammetric Office Reviewer

[Signature]
Supervisor

[Signature]
Officer in Charge
Baltimore Photogrammetric Office
GEOGRAPHIC NAMES

- Bayou Chin
- Bayou Hebert
- Bayou Jack
- Bayou Mountine
- Boston Canal
- Boston Bayou
- Caldwell Camp
- Champlain Point
- Deer Bayou
- Green Island Bayou
- Gum Island
- Hebert Lake
- Hog Lake
- Intracoastal Waterway
- Lake Bebe
- Lake Cock
- Long Lake
- Maple Island
- Magee Canal
- North Bayou (north of Intracoastal Waterway)
- North Bayou (south of Intracoastal Waterway)
- Onion Lake
- Peter Lee Island
- Stump Island
- Vermilion Bay

Names preceded by ✓ are approved 5-19-49
L. Heck
26 Control

Four horizontal control stations were plotted on the manuscript, during final review, and were listed on the Form M-2388-12 attached to this Descriptive Report.

44 Comparison with Existing Surveys

A. Quadrangles:
   Abbeville, La. (S.E.) 1:31,680 1932
   Derouen, La. 1:62,500 1932

B. Topographic Surveys:
   T-6177 1:20,000 1934

C. Hydrographic Surveys:
   There are no contemporary surveys in this area.
   This map supersedes T-6177 for nautical charting

45 Comparison with Nautical Charts

1277 1:80,000 1947 (correction date)
Manuscript T-8908 was applied to chart 882, one of a new series, prior to review.

47 Adequacy of the Compilation

Field inspection was adequate in the immediate vicinity of the Intracoastal Waterway. In the future this area will be covered completely by topographic map T-9105.

Reviewed by:

Howard J. Murray 6/13/49

Approved by:

A. V. Griffith
Chief, Review Section

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

W. E. Reading
Chief, Div. of Photogrammetry

W. M. Scife
Chief, Div. of Coastal Surveys
**NAUTICAL CHARTS BRANCH**

**SURVEY NO. T-8908**

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-30-57</td>
<td>1277</td>
<td>John Doe</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>No shift corr.</td>
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<td>Before After Verification and Review</td>
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<td>Before After Verification and Review</td>
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</tbody>
</table>

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.