Form 804
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Shoreline (Photogrammetric)
Project: Ph-14(46)
Office No.: T-8893

LOCALITY
State: Louisiana
General locality: Intracoastal Waterway
Locality: Bayou Chene to Rhoda

1948

CHIEF OF PARTY
R. A. Gilmore, Chief of Field Party
Div. of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE: Feb. 11, 1949
DATA RECORD

T-8893 (Shoreline)

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

Field Office: Chief of Party: R. A. Gilmore

Compilation Office: Chief of Party: L. C. Lande
Graphic Compilation Section Div. of Photogrammetry, Washington Office
Instructions dated (II III): Undated

Completed survey received in office: 1947-3/24/48
Reported to Nautical Chart Section: 5/13/48
Reviewed: 12/13/48 Applied to chart No. 880 Date: Sept 1948
Redrafting Completed:
Registered: 12/20/48 Published:
Compilation Scale: 1:10000 Published Scale:
Scale Factor (III): 1.00
Geographic Datum (III): N.A. 1927 Datum Plane (III): MHW
Reference Station (III): AVCOA, 1931
Lat.: 29° 38' 10.814" Long.: 91° 06' 49.327"

State Plane Coordinates (VI): Zone S
X = 2,069,775.18 feet Y = 352,682.94 feet

Military Grid Zone (VI) Zone C
X = 776,164.7 yards Y = 684,006.2 yards
### PHOTOS (III)

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<th>Scale</th>
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**Tide from (III): None**

**Mean Range:**

**Spring Range:**

**Camera:** (Kind or source) C & G S Nine-lens

**Field Inspection by:** R. A. Gilmore (Chief of Party) date: 1946-47

**Field Edit by:** date:

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

**Projection and Grids ruled by (III) Wash. Office** date: Mar. 21, 1947

"""" checked by: """""" date: Mar. 21, 1947

**Control plotted by:** C. Theurer date: Aug. 1947

**Control checked by:** H. Rau date: Aug. 1947

**Radial Plot by:** C. Theurer date: Aug. 1947

**Detailed by:** E. Ramey date: Jan. 1948

**Reviewed in compilation office by:** date:

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

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

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:
Descriptive Report: T-8893 (Shoreline)
Location: Bayou Chene to Rhoda, La.
Scale: 1:10,000

This report is concerned with the fifth of a series of shoreline sheets which cover the Intracoastal Waterway from Houma, La., longitude 90°44' W. to Corpus Christi, Texas.

The project, Ph-14(46), was undertaken to furnish the necessary data to prepare a new series of inland waterway charts at 1:40,000 scale.

The field party located the landmark and other pertinent detail by identifying it on the nine-lens photographs for compilation in this office. The field work was accomplished by Lt. Comdr. Ross A. Gilmore, Chief of Party.

Compilation notes were made from field records and photographs and instructions from Special Report L. 533 (1947) Houma, Louisiana, to Vermilion Bay, Louisiana.

No additional planetable work was done in this area in 1947.

This shoreline sheet is filed in the Division of Photogrammetry, and L. 533 (1947) is filed in the Nautical Chart Branch.
27. **Radial Plot.**

The radial plot report for this sheet is filed with the Descriptive Report for T-8889 in the Division of Photogrammetry.

28. **Detailing.**

Photographs were adequate for compilation. Field inspection was generally sketchy and did not seem thorough. Character of the shoreline was, in most instances, omitted by field inspection. Not enough comparison was made during field inspection between the photographs and Morgan City Quadrangle. Some details which could have been clarified in the field were left to the discretion of the office compiler. Also, compilation was carried beyond the area covered by field inspection.

29. **Supplemental Data.**

Planetary Sheet 6179, C&GS, and Morgan City Quadrangle (C. of E.) were used to supplement the photographs during compilation, and served for interpretation purposes.

30. **Mean High-Water Line.**

Mean high-water line was interpreted by the office compiler in some instances because compilation extended beyond limits of field inspection and because insufficient notes were given.

32. **Details Offshore from the High-Water Line.**

On Hydrographic Chart 1050, a "movable barrier" is shown where Bayou Chene leaves the Intracoastal Waterway. No investigation was made of this in the field and nothing can be interpreted from the photographs.

Where La. 280 crosses the Intracoastal Waterway, there may be a ferry connection. No evidence is available and it was not mentioned in field investigation notes.

34. **Landmarks and Aids to Navigation.**

One new landmark was added to the sheet by radial line methods. Its position is shown on Form 567 attached to this report. No aids to navigation are in the area. Chart 1050 shows Landmark "TANK" in the village of Rhode. This has been destroyed and should be deleted.
44. Comparison with Existing Topographic Quadrangles.

Some minor ditches which appear on Morgan City Quadrangle were interpreted as being insignificant and are not shown. A levee is shown on the quadrangle along Bayou Boeuf and Bayou Chene. Parts of it are not shown because it cannot be interpreted from the photographs and field inspection gave insufficient data.

Tidal marsh areas on the south part of this sheet are so much different than what Morgan City Quadrangle shows that it would be hard to juncture the two sheets. Bayous in this area were difficult to define, therefore geographic names are omitted.

La. State Hy. 1092 is continuous along Bayou Boeuf on Morgan City Quadrangle. Road classification in the field showed part of this highway to be La. Hy. 280, and classified it as type 5. Remainder of the highway (part along the Intracoastal Waterway) was classified as type 6 and was not designated as a state highway. Both sections look the same on photographs and it is logical that they would be a part of the same highway. It should be clarified during field edit or from some other sources.

Bayou Chene has been straightened some by cut-offs. This is compiled from field man's resection and from plan of proposed construction of Corps of Engrs. J-17-1544/1574/1.

A pipeline crosses this sheet. It was impossible to identify it on photographs throughout the sheet and field inspection did not trace it out.

45. Comparison with Nautical Charts.

This sheet agrees favorably with Nautical Chart 1050 in most parts. It is believed that this sheet adequately portrays topographic details with the exception of a few details discussed above which are doubtful. This compilation should supersede all charted information.

Submitted by: E. H. Ramey
Date: January 1948

Approved by: L. C. Lande
Checked by: R. J. French
I recommend that the following objects which have been inspected from Intracoastal Waterway be charted on the charts indicated.

The positions given have been checked after listing by

| STATE  | Louisiana |
|----------------|
| CHARTING NAME | DESCRIPTION | SIGNAL NAME | LATITUDE | LONGITUDE | DATUM | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | CHARTS AFFECTED |
| STACK | Center one of three, black | 29 41 | 270 | 91 10 | 660 | N.A. 1927 | Photo Comp. 1947 | x x 880 |

Plotted by: E. Ramsay
Scaled by: E. Ramsay Washington Office
Checked by: E. French 12 January 1948

G.P.'s can also be found in Letter L. 533 (1947) filed in Nautical Chart Branch.

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.
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Names underlined in red are approved.
Addition to Descriptive Report T-8893

July 1948

The area of this shoreline survey will also be covered by 1:20,000 scale planimetric mapping, project Ph-21(47).

The photogrammetric field surveys for project Ph-21(47) were completed in June 1948, and some of the data received in the office prior to completion of the compilation of this manuscript.

The Ph-21 data show certain changes and corrections to T-8893 which have occurred since the date of the field inspection for T-8893, project Ph-14(46). The more important of these changes have been made on manuscript T-8893 and are shown thereon in red ink. These changes in red have been applied prior to review and prior to the application of T-8893 to the nautical charts, and thus may be considered as a part of the original data for T-8893.
23 Detailing

The original compilation was adequate except for minor additions and corrections made by the reviewer. These changes have been shown in blue ink.

41 Comparison with Existing Topographic Quadrangles

a. Quadrangles
   U.S. Army City, Louisiana 1:62,500 1935
b. Topographic Surveys
   T-6179 1:20,000 1934

The movable barrier (see sub-heading 32 Compilation Report) was shown on this survey.

Where Louisiana State Highway 220 crosses the Intracoastal Waterway, a bridge in ruins was shown. See sub-heading 32 Compilation Report.

Numerous scattered pilings were shown in the Bayou Cheqs portion of the Intracoastal Waterway that were not recovered by the field inspector.

These three features have been removed from the map manuscript. There are no contemporary hydrographic surveys.

45 Comparison with Nautical Charts

1050 1:175,000 1937-1948

The map manuscript has been applied to chart 880, one of a new series, prior to review.

Field inspection was generally adequate along the Intracoastal Waterway.

The compilation of the cut-offs and the widening of Bayou Cheq is not too accurate due to the method used in compiling.

In the future, the area of this map manuscript will be covered by bathymetric map manuscripts T-3021, 3022, 3026 and 3027, which should give more complete and adequate coverage.

Reviewed by:

[Signature]

12/13/48

Approved by:

[Signature]

Chief, Division of Photogrammetry

[Signature]

Chief, Division of Charts

[Signature]

Chief, Division of Coastal Surveys
## Nautical Charts Branch

**Survey No. T-8893**

### Record of Application to Charts

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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| 9/30/48 | 880  | Helmer       | Before After Verification and Review  
(Examined again after review 7-2-494x) |
|       |      |              | Before After Verification and Review |
|       |      |              | Before After Verification and Review |
|       |      |              | Before After Verification and Review |
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|       |      |              | Before After Verification and Review |

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.