# DESCRIBITIVE REPORT

**Type of Survey**
Photogrammetric Shoreline

**Field No. Project Office No.**
FH-14 (46) T-8928

## LOCALITY

**State** Texas
**General locality** Gulf Coast Intracoastal Waterway
**Locality** Port Arthur, Texas

**1947**

**CHIEF OF PARTY**
Ross A. Gilmore, Chief of Field Party
Thos. B. Reed, Baltimore Photo. Office

**LIBRARY & ARCHIVES**

**DATE** July 13, 1951
DATA RECORD
T- 8928

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):                Copy filed in Descriptive
   PH-14(46) Field, not dated               Report No. T-----(VI)

Completed survey received in office: 2-7-49

Reported to Nautical Chart Section: 2-16-49

Reviewed: 5 Dec. 1949  Applied to chart No. 384
          385  Date: 2/2/50

Redrafting Completed: 5-18-50

Registered: 6/22/51  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): LOCKS, 1933

Lat.: 29° 55' 39.273" (1209.3m)  Long.: 93° 52' 30.492" (817.9m)  Adjusted

State Plane Coordinates (VI): Louisiana, South Zone.

X = 1,144,903.75  Y = 467,443.07

Military Grid Zone (VI)
PHOTOGRAPHS (III)

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<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>3-25-47</td>
<td>1352</td>
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<td>to 47-C-1139</td>
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Tide from (III):

Mean Range:  
Spring Range: U.S.C.& G.S. single lens, focal length 6"  

Camera: (Kind or source)  

Field Inspection by: Harold A. Duffy  
Date: 4 July to 26 Sept. 1947  

Field Edit by:  
Date:  

Date of Mean High-Water Line Location (III):
Same as date of photographs supplemented by field inspection.

Projection and Grids ruled by (III)  
" " " checked by:  

Control plotted by: J.C. Richter  
Date:  

Control checked by: M.F. Kirk  
Date:  

Radial Plot by: F.J. Tarcza  
Date:  

Detailed by: H.K. Spencer  
Date:  

Reviewed in compilation office by: H.R. Rudolph  
Date:  

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

Land Area (Sq. Statute Miles): 6

Shoreline (More than 200 meters to opposite shore): 6 1/2 statute miles

Shoreline (Less than 200 meters to opposite shore): 8 " "

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:
Summary to Accompany T-8928

Shoreline Survey T-8928, scale 1:10,000 (Lat. 29°52' to 56', Long. 93°31' to 58') is one of 76 maps in Project Ph-14(46) which consists of four parts.

T-8928 is one of the Part II group.

Data pertaining to T-8928 are filed as follows:

A. Division of Photogrammetry General Files
   1. Reviewed acetate manuscript
   2. Radial Plot Report
   3. Field Inspection photographs

B. Bureau Archives
   1. Registered lithographic print of the reviewed manuscript at compilation scale.
   2. Registered Descriptive Report.
FIELD REPORT

SHORELINE MANUSCRIPT, SURVEY T-8928

For field data covering Survey T-8928 refer to the special report L 31(1942) Gulf Coast Intracoastal Waterway, Vermilion Bay, La. to Fort Arthur, Texas, filed in the nautical chart branch.
<table>
<thead>
<tr>
<th>STATION</th>
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<th>DATE</th>
<th>LATITUDE OR ( \phi )-COORDINATE</th>
<th>LONGITUDE OR ( \lambda )-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>CORRECTION</th>
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1 FT. = 0.3048006 METER

COMPUTED BY M.F. Kirk

DATE 10 August 1948

CHECKED BY F.J. Tarcza

DATE 13 August 1948
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</table>

1 FT. = 0.3048006 METER

COMPUTED BY: M.F. Kirk

DATE: 10 August 1948

CHECKED BY: F.J. Tarcza

DATE: 13 August 1948
COMPILATION REPORT

This manuscript is one of a series of surveys in Project FH-14(46) covering a narrow strip of land along the Gulf Intracoastal Waterway from Vermilion Bay, La. to Port Arthur, Texas. Survey T-8928 covers the Waterway in the area of Port Arthur. 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 H-2388-12.

27. RADIAL PLOT

Refer to the radial plot report for Surveys T-8926 through T-8928.

28. DELINEATION

Compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947. Filed in Div. Photogr. Office files.

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.

Two radio towers just northeast of Port Arthur High School have been delineated. The field inspection party indicated that these two towers had been bent over by wind.

The meandering of Crane Bayou has changed due to spoil areas being built up just inshore from where the Bayou emptied into the Sabine Neches Canal.

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.

44. WHARVES AND SHORELINE STRUCTURES

No comment.
34. LANDMARKS AND AIDS TO NAVIGATION

See form No. 567 submitted with this report.

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 the same is attached to this report.

It is noted that a horizontal control station located on Woodrow Wilson High School in Port Arthur is named PORT ARTHUR HIGH SCHOOL in the published list of positions.

39. JUNCTIONS

This survey is bounded by project limits to the east and west; by Survey T-8927 to the north, and by Survey T-8929 to the south. Junction was made with surveys to the north and south and is in good agreement.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This manuscript was compared with United States Geological Survey quadrangles Port Arthur North and Port Arthur South, Texas, and is in good agreement except for the following features which do not appear on the quadrangles:

Large area of fill along the shoreline of Sabine Lake running north of 29° 52' parallel.

Additional shoreline structures along the bulkhead and streets fronting the canal.

45. COMPARISON WITH NAUTICAL CHARTS

This manuscript was compared with the U. S. Coast and Geodetic Survey Chart No. 1279 and found to be in fair agreement.

The following topographic information shown on Survey T-8928 is of sufficient importance to warrant immediate application to the chart:

None.
45. **COMPARISON WITH NAUTICAL CHARTS (Continued)**

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 December 1948

Morris K. Spencer
Engineering Draftsman

Harry P. Rudolph
Cartographer
Photogrammetric Office Reviewer

Harry R. Rudolph
Supervisor

Thomas
Officer in Charge
Baltimore Photogrammetric Office
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing by H.R. Rudolph

Thos. E. Reed
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>Texas</th>
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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.
Civic Park
Crane Bayou
DeQueen Blvd.
Hughen Park
Intracoastal Waterway
Kansas City Southern RR
Lakeshore Drive
Lakeview
Lions Park
Port Arthur
Procter St.
Sabine Lake
Sabine-Neches Canal
Stilwell Blvd.
9th Ave.
Texas
Woodworth Blvd.
Court House
West Crane Bayou.

x = Decis. B&N
* = Approved name
12-5-47
5-11-48
a.y.w.
Review Report T-8928
Shoreline Map
5 December 1949

61. Comparison with Registered Topographic Surveys:
None

62. Comparison with Surveys of other Agencies:
U.S.E. Port Arthur North, Tex. 1:31,680 ed. 1945
U.S.E. Port Arthur South, Tex.-La. 1:31,680 ed. 1945

63. Comparison with Nautical Charts:

Lights No. 8, 12, 14, 16, 18 and 20 are not in the same relative positions as on the chart and, with the exception of No. 8, may have been rebuilt since 1943. There are no other significant differences between T-8928 and the chart.

64. Adequacy of the Compilation. This map meets the National Standards of Accuracy and complies with project instructions.

Reviewed by:

[Signature]
Lena T. Stevens

APPROVED BY;

[Signature]
Chief, Review Section N.M.
Division of Photogrammetry

[Signature]
Chief, Nautical Chart Branch
Division of Charts

[Signature]
Chief, Division of Photogrammetry

[Signature]
Chief, Division of Coastal Surveys
## NAUTICAL CHARTS BRANCH

**SURVEY NO. T-8928**

Record of Application to Charts

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<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>885</td>
<td>Keeler</td>
<td>Before After Verification and Review</td>
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<td>2-12-59</td>
<td>517</td>
<td>E. M. A.</td>
<td>Examined: No correction. No critical change. Before After Verification and Review</td>
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<td>517</td>
<td>Ellerman</td>
<td>Before After Verification and Review As chart 884. Before After Verification and Review Fully Applied</td>
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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.