

8936

4E8W

Diag. Cht. No. 1280

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

(Photogrammetric)

Type of Survey Shoreline

Field No. Ph-14(46) Office No. T-8936

LOCALITY

State Texas

General locality Gulf Intracoastal
Waterway

Locality Mud Bayou

194

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party
Div. of Photogrammetry Washington D. C.

LIBRARY & ARCHIVES

DATE December 19, 1951

8936

DATA RECORD

T-8936

Quadrangle (II):

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

Field Office:

Chief of Party: Ross A. Gilmore

Port Arthur, Texas

Compilation Office:

Chief of Party: L. C. Lande

Instructions dated (II III):

Office files
Copy filed in-Descriptive
Report-No.-T- (VI)
Division of Photogrammetry

Completed survey received in office: 3-14-49

Reported to Nautical Chart Section: 3-21-49

Reviewed: 9 May, 1950 Applied to chart No. 885 Date: May 3, 1950

Redrafting Completed: 4/27/51

Registered: 20, Nov. 1951

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): NEEL, 1934

Lat.: 29° 37' 51.894 (15978 m) Long.: 94° 18' 28.579 (768.8m) Adjusted
Unadjusted-

State Plane Coordinates (VI): Texas, South Central Zone

X = 3,490,206.25

Y = 683,541.68

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
47-C-1093	3/25/47	1331	1:10,000	Not applicable
1094	3/25/47	1331	1:10,000	
1095	3/25/47	1332	1:10,000	
1096	3/25/47	1333	1:10,000	
1097	3/25/47	1334	1:10,000	
18451	11/22/46	1106	1:10,000	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) "C" 6" focal length

Field Inspection by: Irving Zirpel, Jr.

date: 8/12/47

Field Edit by:

date:

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

Date Photographs were taken 3/25/47 and
Date of Field Inspection 8/12/47

Projection and Grids ruled by (III) WEW

date: 11/4/48

" " " checked by: WEW

date: 11/4/48

Control plotted by: R. W. Williams

date: 11/15/48

Control checked by: R. L. Sugden

date: 11/15/48

Radial Plot by: L. M. Gazik

date: December

Detailed by: R. W. Williams

date: January

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: Two (2)
Filed on Form 524

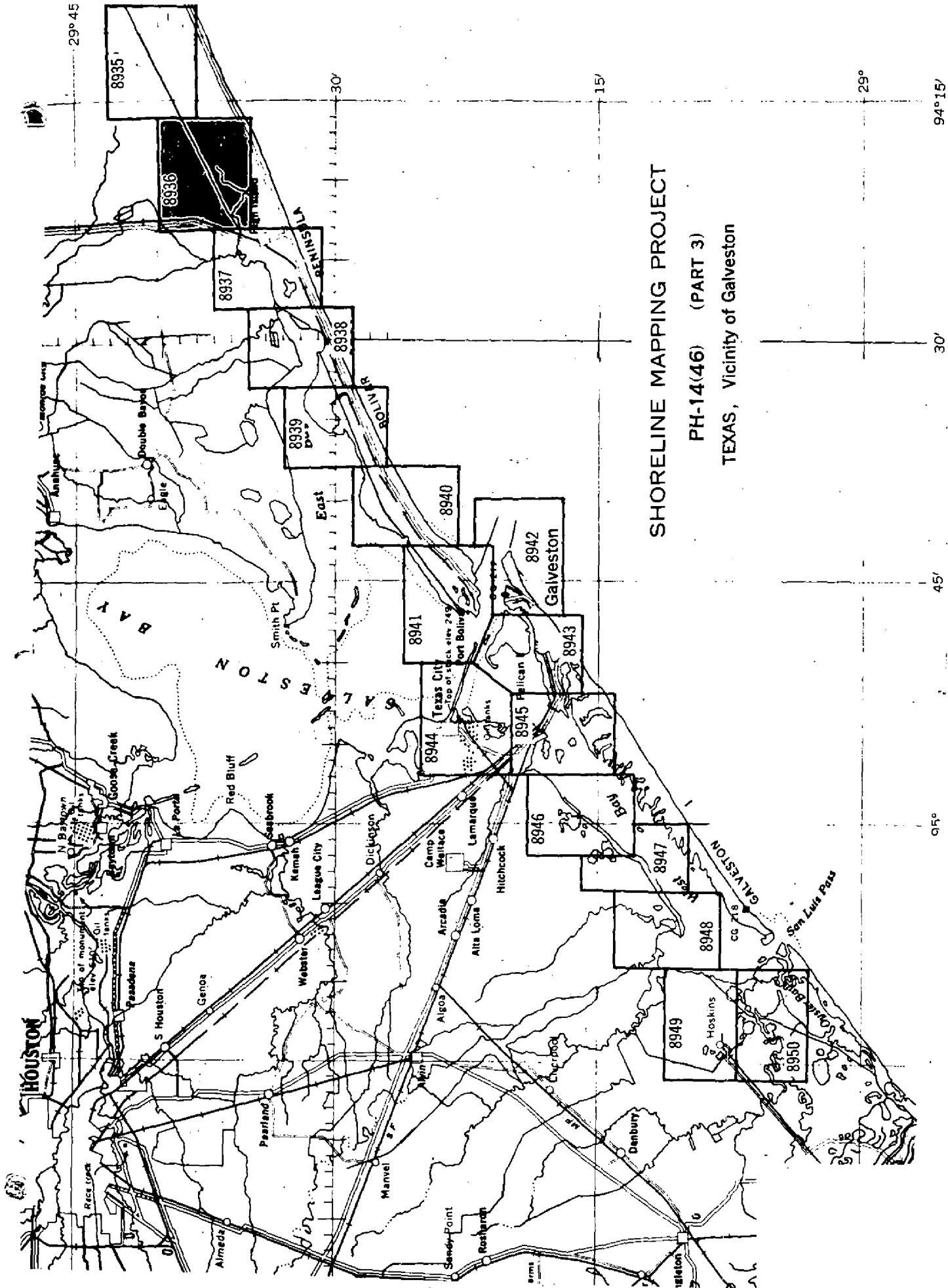
Number of Temporary Hydrographic Stations located by radial
plot:

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:



SHORELINE MAPPING PROJECT

PH-14(46) (PART 3)

TEXAS, Vicinity of Galveston

Descriptive Report: T-8936

Project: Ph-14(46)

Location: Mud Bayou

Scale: 1:10,000

This report is concerned with a shoreline survey southwest of Port Arthur, Texas and is one of a series of surveys extending along the Intracoastal Waterway from Houma, Louisiana, Longitude $90^{\circ} 44'$ W of Corpus Christi Bay, Texas, Longitude $97^{\circ} 15'$ W.

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 recovered the control and indicated other pertinent field inspection data by photogrammetric methods by identifying it on the photographs for compilation in this office. The field work was accomplished by Lt. Comdr. R. A. Gilmore, Chief of Party.

Compilation notes were made from field records and photographs and instructions from Special Report L. 84 (1948) Port Arthur, Texas to Cedar Lakes, Texas.

This shore line sheet is filed in the Division of Photogrammetry and L. 84 (1948) is filed in the Nautical Chart Branch.

Compilation Notes

26 Control

The control and other field inspection data was recovered by the field party and has been indicated on the field photographs.

For the layout of control on this manuscript, refer to the Radial Plot Report for T-8933, 8934, 8935, 8936, 8937.

27 Radial Plot

Refer to the Radial Plot Report for T-8933 to T-8937, included with the descriptive report of T-8933.

28 Delineation

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

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 by stereoscopic methods and the field inspected photographs.

29 Supplemental Data

Compilation notes were made from field records, photographs, existing maps and instructions from Special Report Chart Letter 84 (1948) Port Arthur to Cedar Lake, Texas.

No additional work was done in 1947 on Graphic Control Surveys T-6776a and b of 1935.

30 Mean High Water Line

The tide range in this area is negligible for purposes of compilation.

34 Landmarks and Aids to Navigation

None

35 Geographic Names

The geographic names of this area were taken from Special Report 107 (1948) on Geographic Names.

A list of Geographic Names accompanies this report.

44 Comparison with Existing Topographic Quadrangles

This manuscript agrees favorably with the TVA Quadrangles, Spindle Top, Mud Bayou, and High Island, Texas scale 1:25,000 (1947).

The following minor differences were noted:

1. Drainage ditches shown on this sheet are not shown on the Quads.
2. Areas of marsh on this sheet differ from those on the Quads.

45 Comparison with Nautical Charts

This manuscript was compared with Chart No. 1116 7/14/47, scale 1:458,596 and seemed to be in agreement, however the difference in scale limited the comparison.

This manuscript is complete in all details except those mentioned above and should supersede previously charted information.

Submitted by:

Robert W. Williams
Robert W. Williams
January 27, 1949

Approved by:

L. C. Lande
L. C. Lande

Verified by:

Verified by: C. Hanavich
C. Hanavich

Geographic Names

- Mud Bayou
- North Prong Mud Bayou
- Seth Slough
- Sante Fe RR
- State Hwy 124

• = Names approved

5-9-50

A.J.W.

Review Report
Shoreline Survey T-8936
9 May 1950

61. This is one of sixteen maps in Project Ph-14(46) Part III, (T-8935 to T-8950) Star Lake to Oyster Bay, Texas.

The levee symbol has been used to indicate the margins of spoil areas which are ridges of varying elevation and lateral extent.

62. Comparison with Registered Surveys:

T-6276 1:20,000 1935 graphic control and shoreline

The present survey supersedes T-6276 for charting purposes.

63. Comparison with Maps of other Agencies:

USE	Spindletop	1:31,680	ed. 1944
USE	Mud Bayou	1:31,680	1943
USE	High Island	1:31,680	1943

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

1280 1:80,000 ed. June 1945, rev. Aug. 1946

66. Accuracy:

This map meets the National Standards of Map Accuracy requirements and is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

S. V. Griffith
Chief, Review Section H.R.B. 12/4/51
Division of Photogrammetry

W. E. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-216B-1

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.