

8937

Diag. Cht. No. 1280

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)
Project
Field No. Ph-14 (116) Office No. T-8937

LOCALITY

State Texas

General locality Intracoastal Waterway

Locality East Bay Bayou and Mud Bayou

1949

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE December 26, 1951

8937

DATA RECORD

T-8937

Project No. (II): Ph-14(46) Quadrangle Name (IV): High Island, Texas

Field Office (II):

Chief of Party: R. A. Gilmore

Photogrammetric Office (III): Div. of Photogrammetry
Graphic Compilation Officer-In-Charge: L. C. Lande
Washington, D. C.

Instructions dated (II) (III):

Copy filed in Division of
Photogrammetry (IV)

Supplement 1, 22 July 1947; and letters
dated 5 June 1947 and 29 July 1947.

Method of Compilation (III): Radial Plot

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 6-9-49 Date reported to Nautical Chart Branch (IV): 6-13-49

Applied to Chart No. 885 Date: May 3, 1950 Date registered (IV): 20 Nov. 1951

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.H.W.

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): North West Bend, 1861

Lat.: 29° 34' 39.373

Long.: 94° 25' 02.616

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Texas

Zone: South Central

Y= 662,733.16

X= 3,456,223.00

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DATA RECORD



Field Inspection by (II): R. A. Gilmore, Chief of Party

Date: Aug. to Oct. 1947

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

compiled from photographs taken in Nov. 1946

date of field inspection - 18 Aug. 1947 - 31 Oct. 1947

Projection and Grids ruled by (IV): W. E. Ward

Date: 11/9/48

Projection and Grids checked by (IV): W. E. Ward

Date: 11/9/48

Control plotted by (III): R. W. Williams

Date: 11/15/48

Control checked by (III): R. Sudgrew

Date: 11/15/48

Radial Plot or Stereoscopic L. M. Gazik

Date: 12 - 1948

Control extension by (III):

Planimetry

Date:

Stereoscopic instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): S. G. Blankenbaker

Date: 4 - 1949

Photogrammetric Office Review by (III):

Date:

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III): (1) U. S. Coast and Geodetic Survey Nine-Lens
(2) Single-Lens Camera 47-C

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18447	11/22/46	11:02	1:10,000	
18448	11/22/46	11:03	1:10,000	
18449	11/22/46	11:04	1:10,000	
18450	11/22/46	11:05	1:10,000	
18451	11/22/46	11:06	1:10,000	
47 C 1091	3/25/47	13:30	C. ST	{ Contact Scale 1:24,000
47 C 1092	3/25/47	13:30		{ Enlarged to 1:10,000

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 4

Identified: 4

Number of BMs searched for (II):

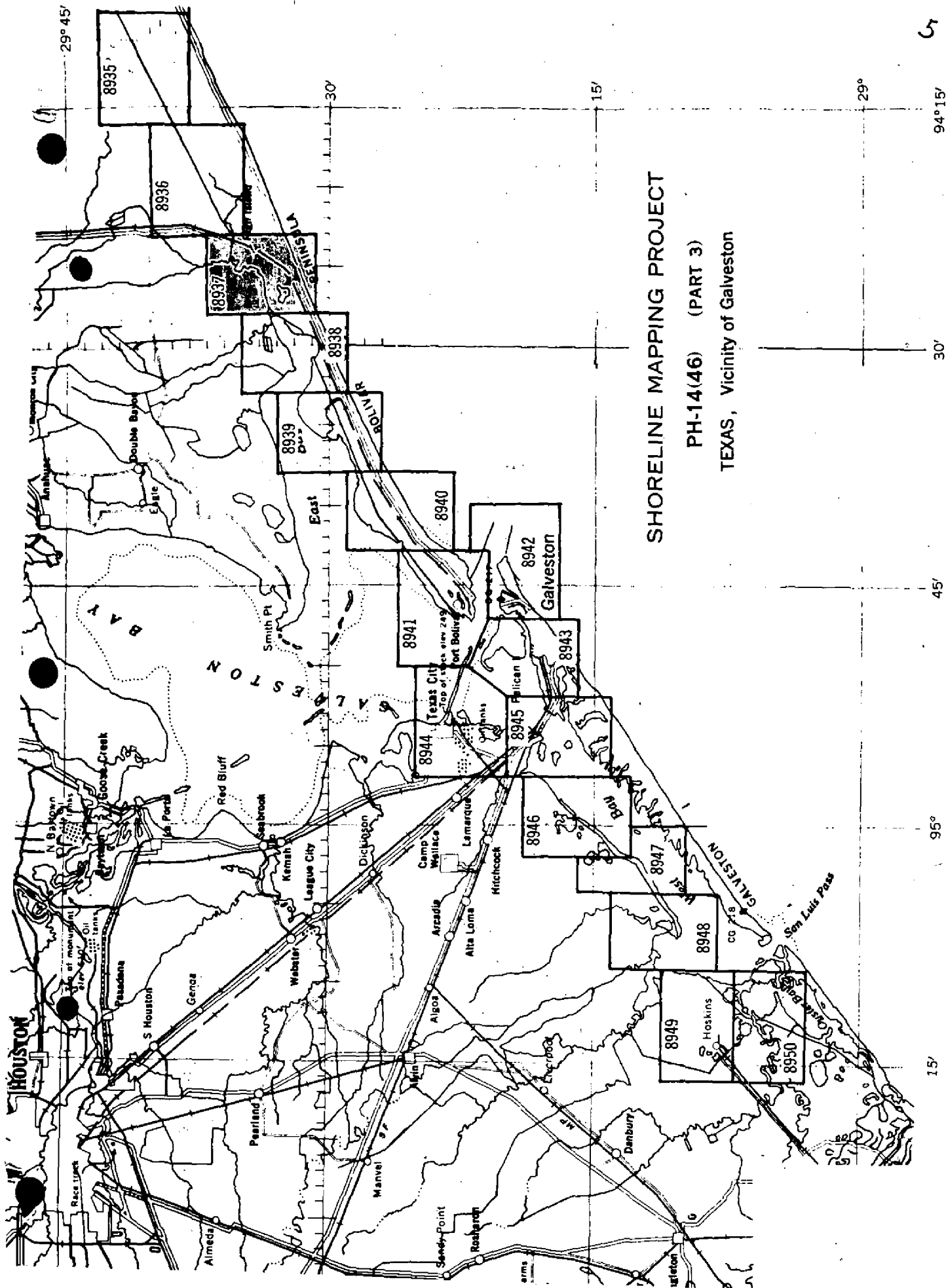
Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:



Descriptive Report

Project Number: Ph-14(46). *Part III, 16 maps, T-8935 to T-8950, incl.*

Location: Intracoastal Waterway, High Island, Texas

Scale: 1:10,000

This report concerns T-8937, one of a series of shoreline sheets extending along the Intracoastal Waterway from Houma, La. to Corpus Christi, Texas. This sheet covers the Intracoastal Waterway from West $94^{\circ} 23'$ North of High Island to Brant Island, West $94^{\circ} 28'$.

The field work was accomplished by R. A. Gilmore, Chief of Party. Control, the M.H.W. line and other details were field inspected.

Field Inspection Report

Port Arthur, Texas, to Cedar Lakes Texas

Ross A. Gilmore
Chief of Party

Harold A. Duffy, Jan. 1948
Photogrammetrist

Gilmore
(Chart Letter 84. (1948))

MAP T-8937

PROJECT NO. Ph-1/1 (1,6)

SCALE OF MAP 1:10,000

SCA FACTOR 1.000

[illegible]

1 FT. = 3048006 METER

COMPILED BY: RWW

COMPUTED BY: [REDACTED]
CONV. checked CH 5/49

DATE 11/22/48

CHECKED BY: R.S.

DATE 11/22/48

M-2388-12

9

Compilation Report

26 & 27 Control and Radial Plot

The control and radial plot for this sheet are discussed in the radial plot report which is included in the descriptive report for T-8933.

28 Detailing

The photographs and field inspection were satisfactory for office detailing.

30 Mean High-Water Line

The M.H.W. line was located on the field photographs along the Waterway. The M.H.W. line along the Gulf Coast was not identified on the field photographs that cover this sheet. The photographs were not clear in this area and it was difficult to interpret the water line. *See #61 Review Report*

33 Wharves and Shoreline Structures

Wharves and shoreline structures were identified on the field photographs.

34 Landmarks and Aids to Navigation

The positions of two towers (powerline steel - 134.3 ft. high) listed in Special Report Chart Letter 84 (1948) Port Arthur to Cedar Lakes, Texas, were determined by the radial plot and included on the manuscript. The position for East Bay Light # 1 was determined by the radial plot. The Towers and the Light have been scaled from the manuscript and their positions entered on form 567. One new lone oil derrick close to the waterway has been included on the manuscript. The derrick appears on the single-lens photographs taken in 1947 but does not appear on the nine-lens photographs.

44 Comparison with Existing Topographic Quadrangles

(1) U.S.C. & G.S. Topographic Surveys No. 6276a and T-4862 (1933). The shoreline does not agree closely with T-8937.

(2) The U.S.E. High Island Quadrangle 1943 was used to some extent in determining the approximate limits of fast land adjoining inland marsh areas.

45 Comparison with Nautical Charts

U.S.C. & G.S. Nautical Chart No. 1280. No important differences were noted.

Approved by:

Submitted by:

L. C. Lande
L. C. Lande

S. G. Blankenbaker
S. G. Blankenbaker

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

T-8937

Div. of Photogrammetry, Wash. D.C. April 1949

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by R. A. Gilmore

L. C. Lande

Chief of Party,

[illegible]

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Div. of Photogrammetry - Washington, D.C. April, 1949

I recommend that the following objects which have ~~(surexnot)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deletedfrom)~~ the charts indicated.

The positions given have been checked after listing by R. A. Gilmore

L. C. Lande

Chief of Party.

STATE		Texas		POSITION						METHOD OF LOCATION AND SURVEY No.		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED		
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM															
			°	'	D. M. METERS	°																'
Lt. I	East Bay	UK 885	29	33	497.3	94° 27'	1110.8														885	1280

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.

T-8937

Geographic Name List

- • Intracoastal Waterway
- • East Bay Bayou
- • Mud Bayou
- • Brant Island
- • Brushy Bend Bayou
- • Brushy Bend
- • Horseshoe Bend
- • Lower Marsh
- • High Island
- • Gulf of Mexico
- • Stanolind Slip
- • Sun Slip
- • Stough Bayou
- • Texas

x = BGH decision

• = Approved name

5-23-50

A. J. W.

Review Report for T-8937
Shoreline Survey
22 May, 1950

61. Mean High Water Line:

Field Inspection photograph 18447 had widely spaced dashes to indicate approximate MHW line along the Gulf Coast. By interpolation the line could be completely drawn. Comparative measurements of chart 1280 and T-8937 indicates that the shoreline has receded since chart publication.

62. Comparison with Registered Surveys:

T-329	1:20,000	1851 (no contours)
T-4862	1:20,000	1933 " "
T-6276	1:20,000	1935 " "

63. Comparison with Maps of Other Agencies:

USE High Island 1:31,680 ed. 1933.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

1280 1:80,000 ed. June 1945, rev. Aug. 1946
This survey applied to 1280 prior to review.

66. Accuracy:

This map is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

S. V. Griffith *✓*
Chief, Review Section H.R.B. 11/29/51
Division of Photogrammetry

McDonough
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. Photogrammetry

W. M. Acuña
Chief, Div. Coastal Surveys
C.S.H.

