

# 8840

Diag. Cht. No. 1282

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. Ph-14(46) Office No. T-8910

#### LOCALITY

State TEXAS

General locality INTRACOASTAL WATERWAY

Locality FLAKE

194 9

#### CHIEF OF PARTY

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

#### LIBRARY & ARCHIVES

DATE December 26, 1951

8-1870-1 (1)

# 8840

# DATA RECORD

T-8940

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

Field Office (II): Port Arthur, Texas

Chief of Party: R. A. Gilmore

Photogrammetric Office (III): Div. of Photogrammetry Officer-in-Charge:

Graphic Compilation Section, Wash. D.C.

Instructions dated (II) (III):

Copy filed in Division of  
Photogrammetry (IV)

Supplemental 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):

845 (before rev.)      Date: Nov. 9, 1950

Applied to Chart No. 886

Date: Nov. 9, 1950

Date registered (IV): 20 Nov. 1951

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

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): ELM, 1933

Lat.:  $29^{\circ} 28' 32.753''$   
(1008.4m)

Long.:  $94^{\circ} 40' 25.561''$   
(688.7m)  
688.7m

Adjusted  
Unadjusted

Plane Coordinates (IV):

State: Texas

Zone: South Control

Y= 622,626.74

X= 3,376,162.41

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.


Areas contoured by various personnel  
 (Show name within area)  
 (II) (III)

## DATA RECORD

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

Date: August 1947

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Date of Photographs 11/21/46 and 11/23/46

Date of Field inspection 8/12/47

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): C. Hanavich

Date: 12/13/48

Control checked by (III): L. M. Gazik

Date: 1/4/49

Radial Plot or Stereoscopic L. M. Gazik  
Control-extension by (III):

Date: 1 - 49

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): R. W. Williams

Date: 5 - 49

Photogrammetric Office Review by (III):

Date:

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

Date:

Camera (kind or source) (III): USC&GS nine-lens, focal length  $8\frac{1}{4}$ "

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
18436	11/21/46	3:23	1:10,000	Not applicable
18437	11/21/46	3:24	1:10,000	
18438	11/21/46	3:25	1:10,000	
18439	11/23/46	10:55	1:10,000	
18440	11/23/46	10:56	1:10,000	
18441	11/23/46	10:57	1:10,000	

Tide (III)

Reference Station:  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Lena T. Stevens*

Date: *12 June 1950*

Final Drafting by (IV): *Baltimore Office*

Date:

Drafting verified for reproduction by (IV): *Breene W. Striffler*

Date: *5/2/51*

Proof Edit by (IV): *W. Striffler*

Date: *7/25/51*

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:

Identified:

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

5

Descriptive Report: T-8940

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

Location: Flake, Texas

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.

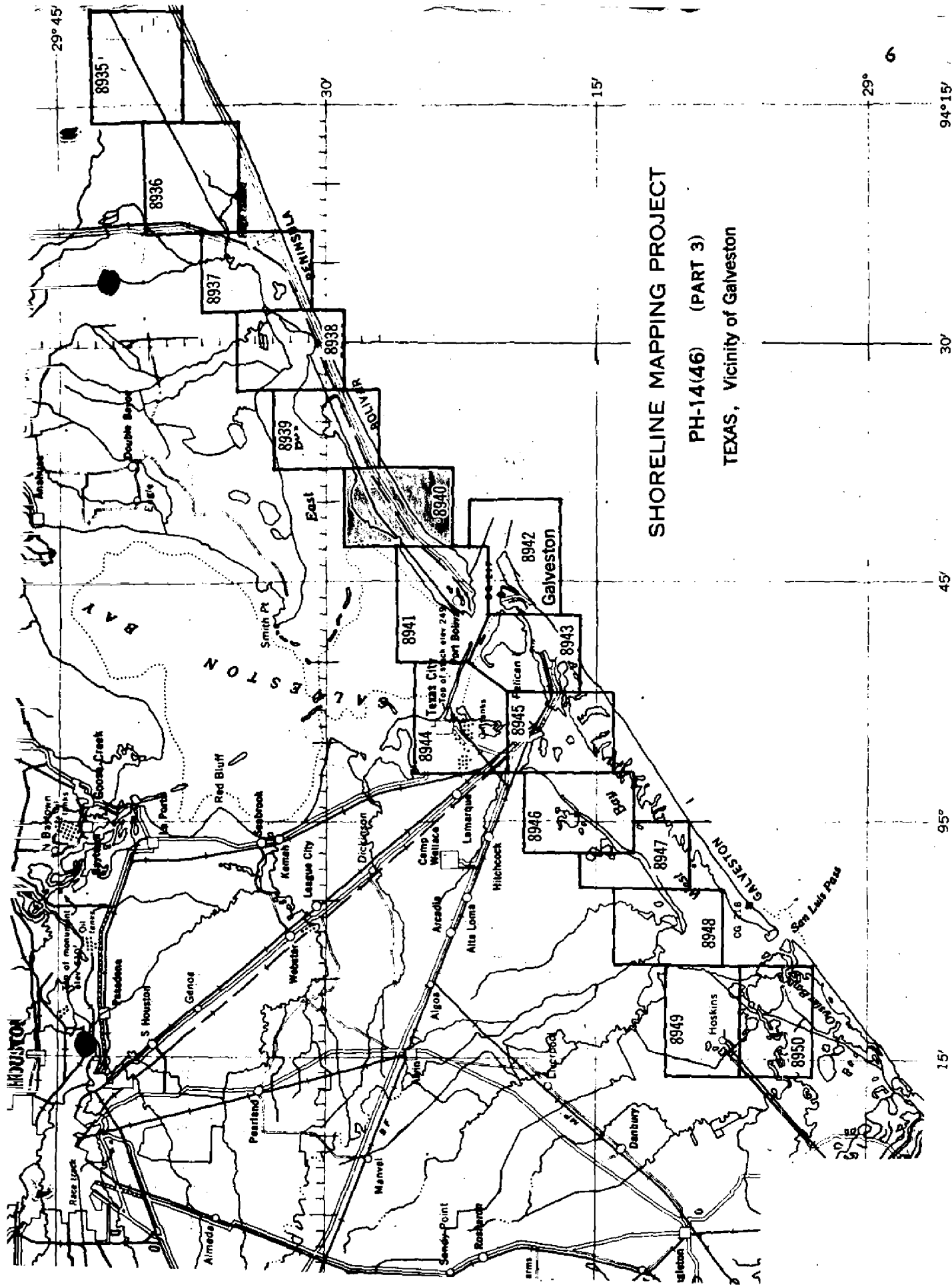
The Project Ph-14(46) was undertaken to furnish the necessary data to prepare a new series of inland waterway charts at 1:40,000 scale.

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 shoreline sheet is filed in the Division of Photogrammetry and Chart Letter L 84 (1948) is filed in the Nautical Chart Branch.





Field Inspection Report  
Gulf Intracoastal Waterway  
Fort Arthur, Texas to Cedar Lakes, Texas

Ross A. Gilmore  
Chief of Party

Harold A. Duffy  
Photogrammetrist

Chart Letter 84 (1948)





## 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 which is appended to survey T-8938.

### 27 Radial Plot

Refer to the Radial Plot Report which is appended to survey T-8938.

### 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, field photographs, and the latest U.S.E. Quadrangles.

### 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 Lakes, Texas.

### 30 Mean High Water Line

The tide ranges in this area are negligible for purposes of compilation.

### 34 Landmarks and Aids to Navigation

The 115 ft. tower shown on this sheet was cut in the radial plot. The position of this tower is filed on form 567 "Non Floating Aids for Charts" which is attached to this report. A copy also is filed with the Nautical Chart Branch.

### 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 TVA Quadrangle, Flake, (scale 1:25,000, 1943)

The following differences were noted:

#### 38. Control for Future Surveys: (forms 524 submitted)

R.M.#2 (Az. Hk) Parks Grove	1900
USE 2640+00	1943
USE 2720+00	"
USE 2830+00	"

1. Drainage ditches, which are not shown on the quadrangle, were added to this sheet.

2. New cuts in the shoreline along the intracoastal waterway are shown, not on the quad but on this sheet.

3. Tree and marsh areas shown on this sheet differ from those shown on the quadrangle.

This sheet was compared with graphic control surveys No. T-4862 (1933) and T-4863 (1933) (scale 1:20,000) but did not agree. Areas of shoreline, spoil, marsh and cultural features have changed since this survey; they have been corrected on this manuscript.

#### 45 Comparison with Nautical Charts

This manuscript was compared with Chart No. 1282 (Feb. 1945) scale 1:80,000 and seemed to be in agreement. The following difference was noted:

1. New cuts and slips are shown on this sheet and not on the nautical chart.

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

Approved by:

L. C. Lande  
L. C. Lande

Verified by:

C. Hanavich  
C. Hanavich



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**TO BE CHARTERED  
TO BE DEDICATED**

**STRIKE OUT ONE**

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Div. of Photogrammetry, Wash, D.C. May 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

[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

## Geographic Names

- ✓ • Beacon Bayou
- ✓ • Big Elmgrove Bayou
- ✓ • Bolivar Peninsula
- ✓ • Boydt Slip
- ✓ • Crystal Beach
- ✓ • Dredgeboat Slough
- ✓ • East Bay
- ✓ • Elmgrove
- ✓ • Elmgrove Lakes
- ✓ • Elmgrove Point
- ✓ • Flake
- ✓ • Freshwater Bayou
- ✓ • Galveston Bay
- ✓ • Gulf of Mexico
- ✓ • Intracoastal Water *way*
- ✓ • Johnson Slip
- ✓ • Little Elmgrove ~~Point~~ *Bayou*
- ✓ • Patton Woods
- ✓ • Pepper Grove Cove
- ✓ • Pepper Grove Point
- ✓ • Port Bolivar Basin
- ✓ • Port Bolivar Cemetery
- ✓ • Sievers Cut
- ✓ • Stangaree Cove
- ✓ • Stangaree Point

Names approved

6-7-50

a.f.w.

Review Report T-8940  
Shoreline Survey  
12 June 1950

62. Comparison with Registered Surveys.-

T-329	1:20,000	1851 (no contours)
T-4862	"	1933 "
T-4863	"	" "

Except for wrecks shown on T-4863 (not visible on the photographs used in the present compilation), T-8940 supersedes the older surveys of the same area for charting purposes.

63. Comparison with Maps of Other Agencies:

USGS	Flake	1:31,680	1933
USE	Flake	1:25,000	1949

Except for contours and elevations T-8940 supersedes the quadrangles for charting purposes in this area.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

1282      1:80,000      ed. Feb. 1945      rev. Sept. 1948

Wrecks, beacons, pipes, and piles charted within the area of T-8940 have not been delineated on the manuscript because they are not visible on the photographs and were not marked during field inspection. Their approximate positions have been reported in the Field Inspection Report (see page 7, this report) under Aids to Navigation and List of Obstructions.

66. Accuracy.-This map meets the project instructions and the standards for charting purposes.

Reviewed by:

Lena T. Stevens  
Lena T. Stevens

APPROVED

S. V. Griffith  
Chief, Review Section HRB 11/29/51  
Div. of Photogrammetry

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

O. S. Reading  
Chief, Div. of Photogrammetry

W. M. Seafelt  
Chief, Div. of Coastal Surveys

