

8935

\$ E & W

Diag. Cht. No. 1280

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Proj.

-Field No. Ph-1A(46) Office No. T-8935

LOCALITY

State Texas

General locality Galveston

Locality Star Lake

1948

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE December 19, 1951

8935

DATA RECORD

T -8935

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

Field Office (II): Port Arthur, Texas

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Graphic Compilation Officer-in-Charge: Div. of Photogrammetry
Section, Division of Photogrammetry,

Instructions dated (II) (III): Washington, D. C. (no date)

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 3-14-49

Date reported to Nautical Chart Branch (IV): 3-21-49

Applied to Chart No.

Date:

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): Way, 1934

Lat.: 29°40' 38.375

Long.: 94° 12' 26.350

Adjusted

1181.6 meters

708.5 meters

Unadjusted

Plane Coordinates (IV):

State: Texas

Zone: South Central

Y= 701,638.55

X= 3,521,456.45

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): Irving Zirpel, Jr.

Date: Aug. 12, 1947

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Date photographs were taken 3-25-47, and date of field inspection 8-12-47.

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

Date: Nov. 4, 1948

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

Date: Nov. 4, 1948

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

Date: Nov. 15, 1948

Control checked by (III): R. L. Sugden

Date: Nov. 15, 1948

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

Date: Dec. 1948

Stereoscopic Instrument compilation (III):
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): R. W. Williams
& N. S. Schultz

Date: Feb. 1949

Photogrammetric Office Review by (III):

Date:

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

Date:

Camera (kind or source) (III): CF 51.6" focal length

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
1098	3-25-47	1334		1:10,000	Not applicable
1099	3-25-47	1335		1:10,000	
1100	3-25-47	1335		1:10,000	
1101	3-25-47	1336		1:10,000	
1102	3-25-47	1336		1:10,000	

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Lena J. Shivers*

Date: *8 May 1950*

Final Drafting by (IV): *Baltimore Office*

Date: *4/26/51*

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

Date: *4/27/51*

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

Date: *6/25 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:

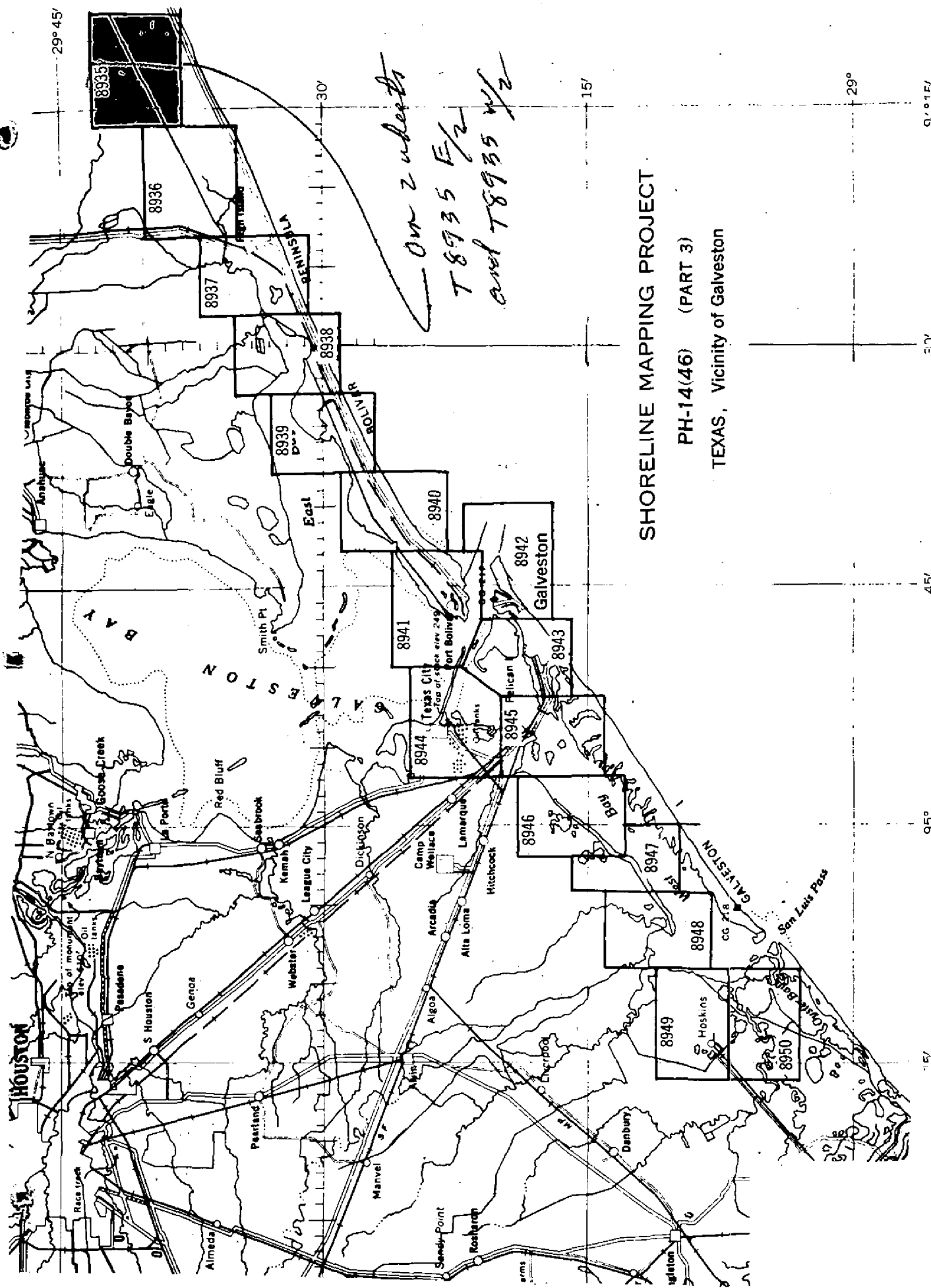
Number of Recoverable Photo Stations established (III):

3 (Topo)

Number of Temporary Photo Hydro Stations established (III):

Filed on Form 524

Remarks:



*On 2 sheets
T8935 E/2
and T8935 W/2*

SHORELINE MAPPING PROJECT
PH-14(46) (PART 3)
TEXAS, Vicinity of Galveston

29° 45' 15' 0' 15' 30' 45' 60' 75' 90' 105' 120' 135' 150' 165' 180' 195' 210' 225' 240' 255' 270' 285' 300'

Descriptive Report: T-8935
Project: Ph-14(46)
Location: Star Lake
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°44'W., to Corpus Christi Bay, Texas, longitude 97°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 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 (i.e. Chart Letter) (1948), Port Arthur, Texas, to Cedar Lakes, Texas.

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

26. Control:

The control and other field inspection data were recovered by the field party and is shown on the field photographs.

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 inspection 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 Lakes, Texas.

No additional work was done in 1947 on Graphic Control Survey T-6276a - T-6276b 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 Quads:

This manuscript agrees favorably with the T.V.A. Quad, Star Lake.

The following minor differences were noted:

1. Drainage ditches and fence lines shown on this sheet are not shown on the quad.
2. Areas of marsh on this sheet differ from those on the quad.

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 previous charted information.

Page 3
T-8935

Submitted by:

Robert W. Williams

Robert W. Williams
11 Feb. 1949

Verified by:

Charles Hanavich
C. Hanavich

Approved by:

L. C. Lande
L. C. Lande

Sheet 1 of 2
SCALE FACTOR 1.000

SCALE OF MAP 1:10,000

PROJECT NO. Ph-14(46)

MAP T-8935

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
FAIR, 1934	Texas Coast G.P. p.91	N.A. 1927	29 39 14.369 94 15 24.634			442.4 662.5	
WAY, 1934	" p.90	"	29 40 38.375 94 12 26.350			1181.6 708.5	
SUB. STA. (WAY, 1934)	Computation	"	29 40 94 12			1188.2 656.6	Removed.
786 + 05.5* U.S.E.	Radial Plot	"	* N.B.: See sheet 2 of 2 (this form) for additional information on these U.S.E. stations - topo.				Fm. 524 submitted
891 + 45.15* U.S.E.	"	"					
1060 + 00 U.S.E.	"	"					

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: Chas. Hanavich

DATE Dec. 1948

CHECKED BY: L. C. Lande

DATE 2-29-49

M-2388-12

Geographic Names

- Beach Prong
- Chain Lakes
- Fivemile Cut
- North Prong Locks
- Spindletop Gulley *
- Spindletop Gulley Marsh *
- Star Lake
- West Prong

• = Name approved

5-9-50

a.j.w.

Review Report
Shoreline Survey T-8935
8 May 1950

61. This is one of sixteen shoreline maps in project Ph-114(46) Part III, Star Lake to Oyster Bay, Texas.

Spoil banks on either side of the canal were delineated by placing the embankment symbol at the margins of the spoil area, rather than along the crest. This causes the spoil banks to appear as wide, flat elevations, whereas they are ridges of irregular elevation and width. They were not re-delineated during review.

62. Comparison with registered surveys.-

T-1633		1882
T-1634		1882
T-6276	1:20,000	1935 (graphic control)
T-6277	1:20,000	1935 (graphic control)

"Cattle Crossing" at 94°10', and fences at 94°10' and 94°134' are not on T-8935. They are not visible on the photographs and were not indicated by field inspection notes.

Excepting the items noted above, T-8935 supersedes the older surveys for charting purposes.

63. Comparison with maps of other agencies.-

USE	Spindletop	1:31,680	ed. 1944
USE	Star Lake	"	"

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

1280 1:80,000 ed. June 1944, rev. Aug. 1946

66. Accuracy.-This map complies with the National Standards of map accuracy requirements, and is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED

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

O. S. Reading
Chief, Div. of Photogrammetry

H. C. Edmonson
Chief, Nautical Chart Branch
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W. M. Scaife
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