8939

Diag. Cht. No. 1280 & 1282

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline (photogrammetri.) Proj.

Field No. Th-14(A6) *Office No.* T-8939

8939

LOCALITY

State Texas

General locality Intracoastal Waterway

Locality Bolivar Peninsula

1949

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party

Division of Photogrammetry, Washington, D.C.

LIBRARY & ARCHIVES

DATE December 26, 1951

8-1870-1 (1)

DATA RECORD

T-8939

Project No. (II): PH-14(46) Quadrangle Name (IV): Bolivar Peninsula

Field Office (II): ----- Chief of Party: R. A. Gilmore

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

Instructions dated (II) (III): Supplement 1, 22 July 1947, and letters dated 5 June 1947 and 29 July 1947

Copy filed in Division of Photogrammetry (IV)

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. Date: Date registered (IV): 20 Nov. 1951

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): MHW

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): Patton, 1932

Lat.: 29°27'44.894 Long.: 94°37'23.220 Adjusted ~~Unadjusted~~

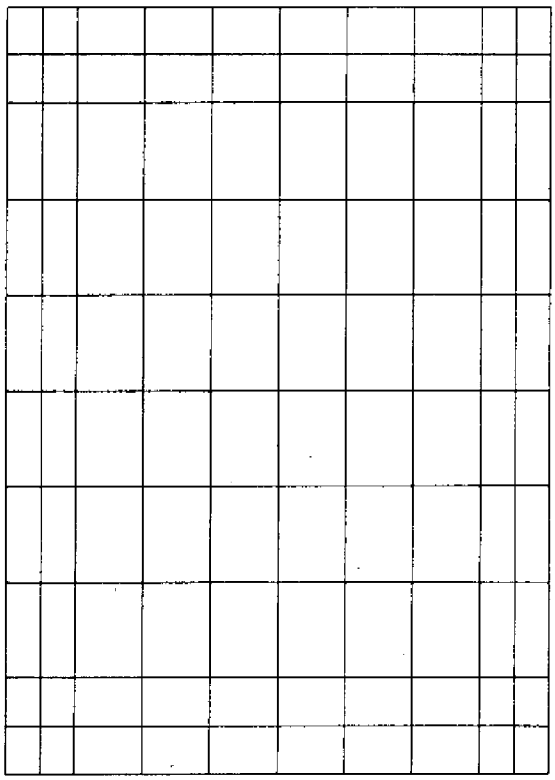
Plane Coordinates (IV): State: Texas Zone: South Central

Y= 618,395.90 X=3,392,447.50

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.

M-2618-12(4)



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

DATA RECORD

Field Inspection by (II): R. A. Gilmore — Date: Aug., 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

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. Sudgden — Date: Nov. 1948

Control checked by (III): R. Williams — Date: Nov. 1948

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

Stereoscopic Instrument compilation (III):
Planimetry — Date:
Contours — Date:

Manuscript delineated by (III): S. G. Blankenbaker — Date: April, May 1949

Photogrammetric Office Review by (III): — Date:

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

M-2618-12(4)

Camera (kind or source) (III): U.S.C.&G.S. Nine Lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18442	Nov. 22, 1946	10:58	1:10,000	
18443	"	10:59	"	
18444	"	11:00	"	

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station:			
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): Lena T. Stevens Date: 1 June, 1950

Final Drafting by (IV): Baltimore Office Date:

Drafting verified for reproduction by (IV): Breece H Steiffel Date: 5/1/51

Proof Edit by (IV): H Steiffel Date: 7/3 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):

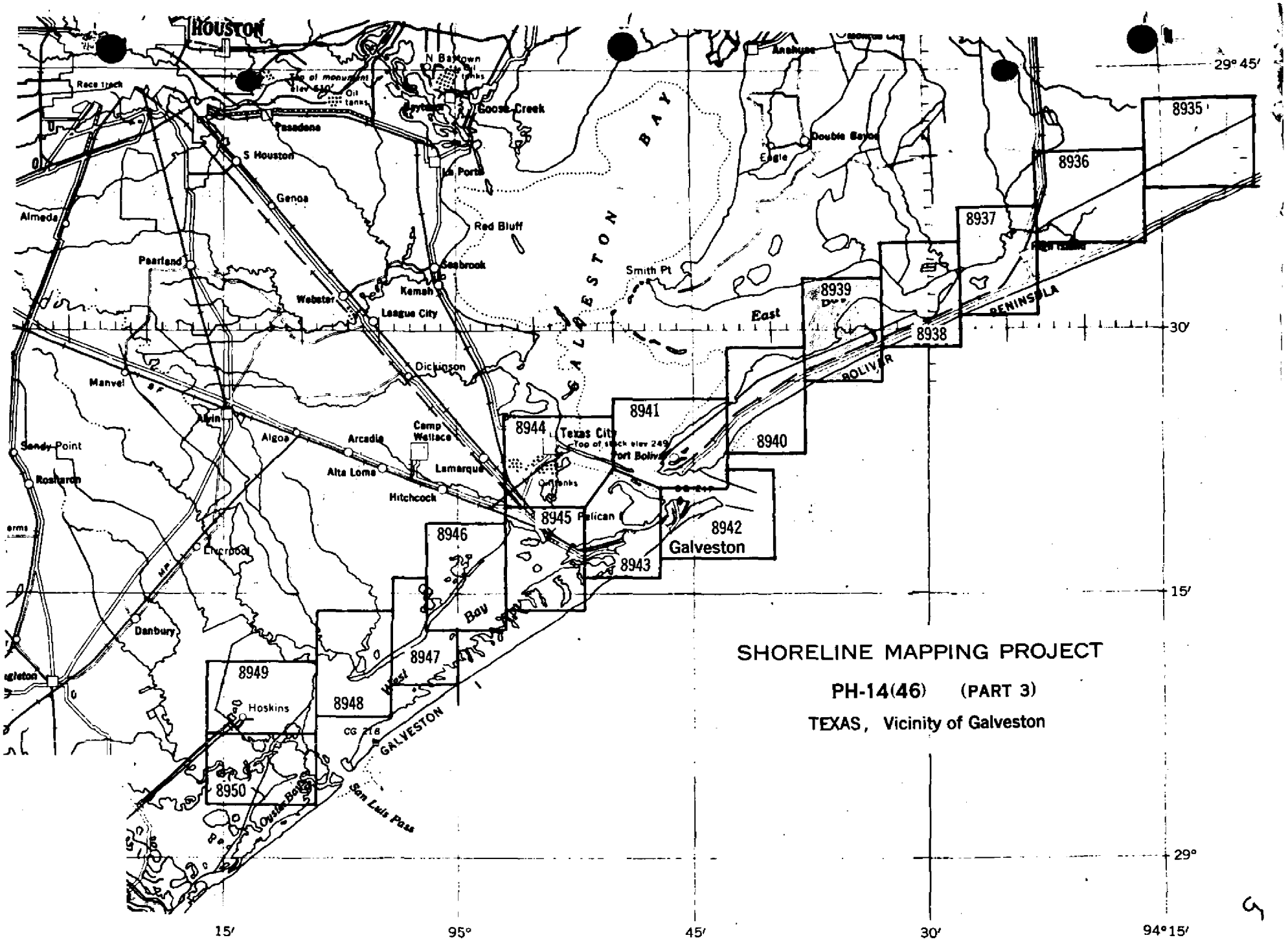
Number of Triangulation Stations searched for (II): Recovered: 3 Identified: 3

Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III):

Remarks:



SHORELINE MAPPING PROJECT

PH-14(46) (PART 3)

TEXAS, Vicinity of Galveston

Summary Report T-8939

See opening paragraph of Compilation Report.

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

Ross A. Gilmore
Chief of Party

Harold A. Duffy
Photogrammetrist

Chart Letter 84(1948)

Photogrammetry

MAP T-8939 PROJECT NO. PH-14(46) SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

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)
PATTON, 1932	p. 26	NA 1927	29 27 44.894	1382.2	465.1	1847.3				
			94 37 23.220	625.7	991.0	1616.7				
COX (USE), 1900	---	"	29 30 09.440	290.6	1556.7	1847.3				
			94 35 41.779	1125.3	490.8	1616.1				
SLIPPER, 1943	p. 35	"	29 31 50.730	1561.9	285.4	1847.3				
			94 34 11.156	300.4	1315.2	1615.6				

1 FT. = .3048006 METER

COMPUTED BY: C.H. DATE 12-13-48 CHECKED BY: I.M.G. DATE 1-4-49

M-2388-12

Radial Plot Report T-8939

See Radial Plot Report for T-8938 to T-8944 bound with Descriptive Report T-8938.

Descriptive Report: T-8939

Project No: PH-14(46), Part III, 16 maps, T-8935 to T-8950 incl.

Location: Intracoastal Waterway
Bolivar Peninsula, Texas

Scale: 1:10,000

This report concerns T-8939, one of a series of shoreline sheets extending along the Intracoastal Waterway from Houma, Louisiana, to Corpus Christi, Texas. This sheet covers the Intracoastal Waterway from W 94°33' to 94°38'. The field work was accomplished by R. A. Gilmore, Chief of Party in 1947. Control was identified on the photographs. The M.H.W. line and other details were field inspected.

Compilation Report

26 & 27: The control and radial plot for this sheet are discussed in the radial plot report which is included in the descriptive report for T-8938.

28: The photographs and field inspection were satisfactory for office detailing.

30: The mean high water line was indicated on the field photographs.

44: (1) U. S. Coast & Geodetic Survey, Topographic Survey No T4862 (1933). Shoreline does not agree closely with the compilation (T-8939). The Sun Oil Co. Canal and Slip have been constructed since survey No T4862 was made.

(2) U.S.E. Quadrangles (1) Flake (2) Frozen Point (3) Caplen. No important differences were noted. The southern end of the Sun Oil Co. Canal has been filled in blocking the channel since the Caplen Quadrangle was compiled.

45: U. S. Coast & Geodetic Survey Nautical Charts #1280 & #1282. The Sun Oil Co. Slip has been constructed since #1280 was compiled. The southern end of the Sun Oil Co. Canal has been filled in.

Submitted by: S. G. Blankenbaker
S. G. Blankenbaker

Verified by: C. Hanavich
C. Hanavich

Approved by: L C Lande
L. C. Lande

38 Control for Future Surveys: Three recoverable topographic stations were recovered by field inspection. They were located by radial plot, and forms 524 submitted.
Milepost 340
2280+00 (USE Traverse)
2520+00 (USE Traverse)

T-8939

Geographic Name List

1. East Bay
2. Marsh Point
3. Bolivar Peninsula
4. Ghost Bayou
5. Sun Oil Co. Canal
6. ~~Big~~ Pasture Bayou
7. Yates Bayou
8. Yates Cove
9. Intracoastal Waterway
10. Crystal Beach
11. Indian Graveyard
12. Gulf of Mexico
13. Crab Lake
14. Sun Oil Co. Slip

* Names approved.
6-1-50
a.g.w.

Review Report T-8939
Shoreline Survey
1 June 1950

62. Comparison with Registered Surveys.-

T-329	1:20,000	1851	No contours
T-8462	1:20,000	1933	No contours

63. Comparison with Maps of Other Agencies.-

USE Caplen	1:25,000	1949
USGS "	1:31,680	1933
USE Frozen Point	1:25,000	1949
USGS " "	1:31,680	1933
USE Flake	1:25,000	1949
USGS "	1:31,680	1933

Except for contours and elevations T-8939 supersedes the quadrangles for charting purposes.

64. Comparison with Contemporary Hydrographic Surveys.-

None

65. Comparison with Nautical Charts.-

1280	1:80,000 ed. June 1945, rev. Aug. 1946
1282	1:80,000 ed. Feb. 1945, rev. Sept. 1948

The Gulf Coast shoreline has receded since chart publication.

66. Accuracy.-This compilation meets the standards 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

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

O. S. Reading
Chief, Div. of Photogrammetry

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

JMY

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5-3-'50	885	H. Keeler	Before ~~After~~ Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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.