8932

Diag. Cht. No. 1116-2 & 1279.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline
Project No. PH-14(46)

Field No. Office No. T-8932

LOCALITY

State TEXAS

General locality Gulf Coast Intracoastal Waterway

Locality Sabine Pass

1947

CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party
Thos. B. Reed, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE August 8, 1951

8-1870-1 (1)

8932

DATA RECORD

T-8932

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

Field Office (II): Morgan City, La. Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III):
PH-14(46)(Not dated)

Copy filed in Division of Photogrammetry (IV)
Office Files

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): 6/27/51

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): SABINE PASS EAST JETTY LIGHT (OLD), 1923

Lat.: 29° 39' 14.888"(458.4m) Long.: 93° 49' 29.308" (788.2m) Adjusted ~~Unadjusted~~

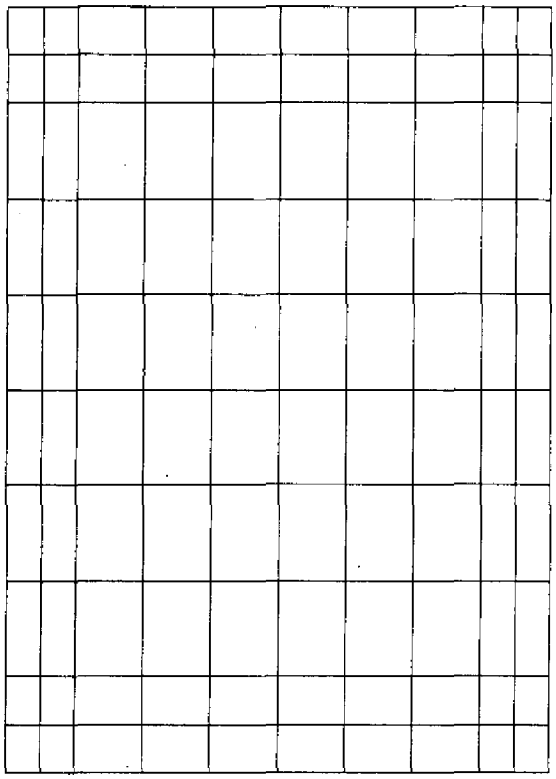
Plane Coordinates (IV): State: Louisiana Zone: South

Y= 367,691.26 X= 1,208,680.70

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): J. S. Howell

Date: 13 Sept. to 25 Sept. 1947

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): WEW

Date: 9-17-48

Projection and Grids checked by (IV): WEW

Date: 9-17-48

Control plotted by (III):
J. C. Richter

Date:
29 Sept. 1948

Control checked by (III):
M. F. Kirk

Date:
29 Sept. 1948

Radial Plot ~~or Stereoscopic~~
~~Control extension by~~ (III): H. R. Rudolph
F. J. Tarcza

Date:
Oct. 1948 &
Jan. 1949

Stereoscopic Instrument compilation (III): Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):
L. A. Senasack

Date:
4 March to 8 March 1949

Photogrammetric Office Review by (III):
Joseph Steinberg

Date:
9 March 1949

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

Date:

M-2618-12(4)

Camera (kind or source) (III):

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
47-C-1128	3-25-47	1345	1:10,000	0.6 ft. above MLW
47-C-1129	"	"	"	" " "
* 47-C-1130	"	"	"	" " "

* Field only

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
1.0	1.3	1.6
1.1	1.1	1.5

Reference Station: Kew West, Fla.
Subordinate Station: Sabine Pass Lt.
Subordinate Station:

Washington Office Review by (IV): Lena T. Stevens Date: 12 Jan. 1950

Final Drafting by (IV): Bettly Date: 1 August 1950

Drafting verified for reproduction by (IV): W.B. Hellin Date: 7 August 1950

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 1
Shoreline (More than 200 meters to opposite shore) (III): 2 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 1 statute mile
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 2 Recovered: 1 Identified: 1
Number of BMs searched for (II): None Recovered: None Identified:
Number of Recoverable Photo Stations established (III): none
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

Sub-project Ph-14(46)II falls almost entirely in Louisiana and only the La. State grid was ruled. Consequently T-8932, a marginal survey, does not have the Texas South Central Grid.

K.H.M. 6/28/51

M-2618-12(4)

Summary to Accompany T-8932

Shoreline Survey T-8932, scale 1:10,000 (Lat. 29°37'-41'; Long. 93°47'-53') is one of 76 maps in Project Ph-14(46) which consists of four parts. T-8932 is one of the Part II group.

Data pertaining to T-8932 are filed as follows:

A. Division of Photogrammetry General Files:

1. Reviewed acetate manuscript
2. Radial Plot Report
3. Field Inspection photographs

B. Bureau Archives

1. Registered lithographic print of the reviewed manuscript at compilation scale.
2. Registered Descriptive Report

FIELD REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8932

For field data covering Survey No. T-8932 refer to the field report "Gulf Intracoastal Waterway, L 81 (1947) Vermilion Bay, La. to Port Arthur, Texas", submitted by Ross A. Gilmore, dated October 1947.

MAP T-8932 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)
SABINE PASS, E. JETTY LIGHT (OLD) 1923	G-1584 Pg. 4	N.A. 1927	29 39	14.888				458.4	1389.0		
			93 49	29.308				788.2	825.4		
WEST, 1933	G-1584 Pg. 28	"	29 40	28.740				884.9	962.5		
			93 51	12.317				331.2	1282.1		
SABINE PASS EAST JETTY LT. 1947	Topo Sheet 7041-B	"	29 38		New position submitted on fm 567			1222.8	624.6		
			93 49					570.8	1043.1		
SABINE PASS OUTER RANGE REAR LT., 1947	"	"	29 39		" " " "		" "	554.6	1292.8		
			93 49					1342.2	271.4		
SABINE PASS OUTER RANGE FRONT LT., 1947	"	"	29 31		" " " "		" "	47.6	1799.8		
			93 49					1125.8	487.8		

1 FT. = .3048006 METER

COMPUTED BY: Millard F. Kirk DATE 10 August 1948 CHECKED BY: H. R. Rudolph DATE 10 August 1948

M-2388-12

COMPILATION REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8932

This manuscript is one of a series of surveys in Project No. PH-14(46) covering a narrow strip of land along the Gulf Intracoastal Waterway from Houma, La. to Corpus Christi Bay, Texas. This project was undertaken to furnish the necessary data to prepare a new series of inland charts at 1:40,000 scale.

Compilation instructions were not furnished for this project.

26. CONTROL

A list of stations on the manuscript is included in this report on Form No. M-2388-12.

27. RADIAL PLOT

The radial plot for this survey was made in this office. Refer to the radial plot report, covering Surveys No. T-8929 to T-8932 inclusive, submitted to the Washington Office on 1 March 1949. *Included with Desc. Report T-8929.*

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17, dated 15 September 1947. The approximate center line of the cable area west of West Jetty and extending out from Texas Point was taken from Nautical Chart No. 517, scale 1:40,000. *Instr. #17 filed in Div. Photogr. Office Files.*

30. MEAN HIGH WATER LINE

Due to the small amount of tide the MHWL and MLWL for all practical purposes are considered to be one and the same.

31. MEAN LOW WATER LINE

See Mean High Water Line

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Delineated in accordance with field identification

33. WHARVES AND SHORELINE STRUCTURES

Noncomment.

34. LANDMARKS AND AIDS TO NAVIGATION

Eighteen floating and three nonfloating aids to navigation were plotted on the map manuscript. All of the above aids were located by planetable in 1947. The three nonfloating aids were also identified on the photographs

7041-6, 1:40,000

34. LANDMARKS AND AIDS TO NAVIGATION (Continued)

by the field party.

The positions of the 3 nonfloating aids were scaled from the planetable sheet and were plotted on the manuscript. They were also radially plotted and found to be in disagreement with the planetable positions. The planetable positions are shown on the manuscript with 2½ mm black ink circles, the radially plotted positions are shown with 6 mm green translucent ink circles. (See Review Report)

The positions of the floating aids were transferred from the planetable sheet to the manuscript by use of the vertical projector. When first attempting to transfer these positions it was noted that the position of SABINE PASS EAST LIGHT (OLD), 1923 on the planetable sheet did not agree with its position as plotted on the map manuscript, when matching common projections. It was decided then, in order to correctly locate the floating aids, to match common control stations. This was done using SABINE PASS EAST LIGHT (OLD) 1923 and TEXAS (USE) 1933. It was noted while transferring these aids that the positions of the nonfloating aids shown on the planetable sheet coincided with their radially plotted positions. The positions of the floating aids are shown on the manuscript with a 2½ mm black acid ink circle.

Present charted landmark OLD BEACON (SABINE PASS EAST LIGHT (OLD), 1923) has been recommended for retention by the field party; refer to the field report "Gulf Intracoastal Waterway L 81 (1947) Vermilion Bay, La. to Port Arthur, Texas", submitted by Ross A. Gilmore, dated October 1947.

The positions of floating and nonfloating aids are being reported on form 567, to be submitted with this report.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

37. JUNCTIONS

This survey is bounded by project limits to the east, south and west. Junction was made with Survey No. T-8931 to the north.

38. GEOGRAPHIC NAMES

The geographic names were taken from TEXAS POINT, TEX., LA., scale 1:25,000, Army Map Service 1947, furnished by the Washington Office as a final name standard.

See list of geographic names included in this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This survey was compared with U.S.Army Map Service, Texas Point, Texas, La. quadrangle, scale 1:25,000, 1947, by use of the vertical projector. The major differences noted are as follows: The shoreline from longitude 93° 51' 30" eastward to the Sabine Pass jetty has eroded from a minimum of 1 meter to a maximum of 700 meters. The position of the pilot station as shown on the manuscript plots approximately 30 meters southeasterly from that as shown on the quadrangle.

45. COMPARISON WITH NAUTICAL CHARTS

This sheet was compared visually with charts Nos. 517, scale 1:40,000 and 1279 scale 1:80,000 and was found to be in fair agreement except for Gulf Bayou. The charts show this bayou emptying into the Gulf of Mexico approximately one mile farther west than that shown on the manuscript.

The following topographic information shown on T-8932 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of MHW are not shown on this manuscript but are believed to still exist and should be carried forward on the chart:

None.

Minor differences in cultural and shoreline details need no special discussion.

Respectfully submitted
8 March 1949

Leroy A. Genasack
Engineering Aid (Photo)

Joseph Steinberg
Photogrammetrist
Photogrammetric Office Review

Joseph Steinberg
Supervisor

Approved and forwarded
14 March 1949

Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

T-8932

Gulf Bayou •
Texas Point •
East Jetty •
West Jetty •
Sabine Pass •
Texas *
Gulf of Mexico *

Names that appear on nautical charts 517 and 1279, but not on the final names standards:

Pilot Station

* = Decis. BGN

• = Approved name

1-12-50

a.j.w.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

873

TO BE CHARTED
~~TO BE DELETED~~ STRIKE OUT ONE

Baltimore, Md. March 8, 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 Joseph Steinberg

Joseph Steinberg

Thos. B. Reed

Thos. B. Reed *Chief of Party.*

STATE			POSITION											
			LATITUDE			LONGITUDE								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° '	D. M. METERS	° '	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Lt.	Sabine Pass East Jetty		29 38	1229	93 49	581	N.A. 1927	Rad. Plot	1947	x		x	517 1279
Lt.	" " Outer Front Range		29 39	47	93 49	1139	"	"	"	x		x	"
Lt.	" " " Rear "		29 39	560	93 49	1355	"	"	"	x		x	"

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON~~FLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

8932

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Md. March 8, 19 49

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

The positions given have been checked after listing by Joseph Steinberg

Thos. B. Reed *Chief of Party.*

STATE			POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° '	D. M. METERS	° '	D. P. METERS							
16	Sabine Pass Channel Buoy		29 40	840	93 49	1399	N.A. 1927	Plane table	1947	x		x	517 1279
3	Sabine Pass Channel Lighted Buoy		29 40	1016	93 50	144	"	"	"	x		x	"
18	" " " Buoy		29 40	1319	93 49	1536	"	"	"	x		x	"
20	" " " "		29 40	1807	93 50	53	"	"	"	x		x	"

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON~~FLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

8932

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Md. March 8, 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 Joseph Steinberg

Joseph Steinberg

Thos. B. Reed

Thos. B. Reed, *Chief of Party.*

STATE			POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE			LONGITUDE								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	'	D. M. METERS	°	'	D. P. METERS	DATUM					
2	Sabine Pass Lighted Buoy		29	37	321	93	48	1123	N.A. 1927	Plane Table	1947	x		x	517 1279
2A	" " " Bell Buoy		29	37	1564	93	49	45	"	"	"	x		x	"
1A	" " Buoy		29	37	1404	93	49	327	"	"	"	x		x	"
1B	" " "		29	37	1651	93	49	485	"	"	"	x		x	"
1C	" " "		29	38	800	93	49	851	"	"	"	x		x	"
2B	" " East Jetty Bell Buoy		29	38	928	93	49	560	"	"	"	x		x	"
1	" " Channel Buoy		29	38	1164	93	49	985	"	"	"	x		x	"
4	" " " "		29	38	1243	93	49	684	"	"	"	x		x	"
6	" " " "		29	39	10	93	49	841	"	"	"	x		x	"
1	" " " Lighted Buoy		29	39	489	93	49	1209	"	"	"	x		x	"
8	" " " Buoy		29	39	575	93	49	967	"	"	"	x		x	"
10	" " " "		29	39	1058	93	49	1071	"	"	"	x		x	"
12	" " " Lighted Buoy		29	39	1654	93	49	1207	"	"	"	x		x	"
14	" " " Buoy		29	40	453	93	49	1357	"	"	"	x		x	"

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

61. Landmarks and Aids to Navigation

1. Positions of Non-floating aids:
The radial cut positions for Sabine Pass Jetty Light, and Sabine Pass Outer Range Rear and Range Front Lights have been retained because the structures were visible on the photographs and the triangulation stations controlling the area are more accurately plotted on the acetate base for T-8932 than on Control Survey 7041-b, scale 1:40,000. Form 567 has been submitted revising the Form 567 filed as a part of Chart Letter 81(48).

2. Positions of Floating Aids:
The floating aids on T-8932 retain the positions transferred from Control Survey 7041-b, because they are not visible on the photographs.

62. Comparison with Registered Topographic Surveys:- None

63. Comparison with Surveys of other Agencies:

USE Sabine Pass-Tex.-La. 1:25,000, 1949

64. Comparison with Contemporary Hydrographic Surveys:- None

65. Comparison with Nautical Chart:

517 1:40,000 ed. Aug. 1939 rev. Jan. 24, 1949

Numerous wrecks charted west of West Jetty have not been delineated on T-8932.

66. Accuracy:

Map T-8932 conforms with National Standard of Map Accuracy and is adequate for charting purposes.

Reviewed by:

Lena T. Stevens

Lena T. Stevens

APPROVED BY:

A. V. Griffith

Chief, Review Section
Division of Photogrammetry

H. R. Edmonston

Chief, Nautical Chart Branch
Division of Charts

O. S. Reading

Chief, Div. of Photogrammetry

Wm. Leaife

Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T.8932

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2-12-59	517	J.M.A.	Examined for critical changes. No correction. ~~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.