

8931

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. PH-14(46) Office No. T-8931

LOCALITY

State Louisiana and Texas

General locality SABINE PASS

Locality Louisiana Point to Point Hunt

1947

CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party

Thos. B. Reed, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE July 13, 1951

8931

DATA RECORD

T - 8931

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): 4-25-49 Date reported to Nautical Chart Branch (IV): 4-29-49

Applied to Chart No.

Date:

Date registered (IV): 6/22/51

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 SW BASE, 1874

Lat.: 29°43' 09.799" (301.7 m.) Long.: 93° 54' 13.980" (375.7 m.)

Adjusted
Unadjusted

Plane Coordinates (IV):

State: Louisiana

Zone: South

Y = 1,184,101.84

X = 319,968.40

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): J.S. Howell

Date: 9/13/47 to 9/25/47

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 (3/25/47) Located by stereoscopic examination.

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

Date: 9/17/48

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

Date: 9/17/48

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

Date: 9/29/48

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

Date: 9/29/48

Radial Plot on Stereoscopic

Date: 10/48 & 1/49

Control extension by (III): H. R. Rudolph
F. J. Tarcza

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Honick

Date: 3/3/49 to 3/10/49
4/1/49 to 4/13/49

Photogrammetric Office Review by (III): R. Glaser

Date: 4/18/49 to 4/20/49

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

Date:

Camera (kind or source) (III):

U. S. Coast & Geodetic Survey single-lens "C" camera, 6" focal length
PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
47-C-1123	3/25/47	1345	1:10,000	0.4 ft above M.L.W.
47-C-1124	"	"	"	" " "
47-C-1125	"	"	"	" " "
47-C-1126	"	"	"	" " "
47-C-1127	"	"	"	" " "

Tide (III)

Reference Station: Key West, Florida
Subordinate Station: Sabine Pass Lt.
Subordinate Station:

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

Washington Office Review by (IV):

Lena T. Stevens

Date: 6 January, 1950

Final Drafting by (IV):

Dean

Date: 7-6-50

Drafting verified for reproduction by (IV):

W.O. Hallin

Date: 7-26-50

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 4

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

19 statute miles

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

7 " "

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: 5

Identified: 5

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Summary to Accompany T-8931

Shoreline survey T-8931, scale 1:10,000 (latitude 29° 41' 45"; longitude 93° 48' 55") is one of 76 maps in Project Ph-14(46) which consists of four parts. T-8931 is one of the Part II group:

Data pertaining to T-8931 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-8931

Project No. Ph-14(46)

For field data covering Survey No. T-8931 refer to the field report "Gulf Intracoastal Waterway, L81(1947), Vermillion Bay, La. to Port Arthur, Texas", submitted by Ross A. Gilmore, dated October 1947.

MAP T- 8931

PROJECT NO. Ph-14(46)

SCALE OF MAP 1:10,000

SCALE FACTOR

None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
QUARANTINE BOAT BASIN, SABINE PASS N. Lt. 1947	Topo. Sheet B	N.A. 1927 Field	29° 43'	93 52	<i>new position submitted. See form 567 attached</i>			1240.8	606.6		
QUARANTINE BOAT BASIN, SABINE PASS S. Lt. 1947	"	"	29 43	93 52	"		"	317.9	1294.7		
SABINE PASS JETTY CHANNEL RANGE REAR Lt. 1947	"	"	29 41	93 50	"		"	1229.8	617.6		
SABINE PASS JETTY CHANNEL RANGE FRONT Lt. 1947	"	"	29 41	93 50	"		"	315.9	1296.7		
RADIO BEACON NEAR SABINE PASS L.H. 1947	Topo. Sheet B	"	29 42	93 50	"		"	1592.4	255.0		
TANK U.S. NAVY SECTION BASE 135 ft. high	Topo. Sheet B	"	29 43	93 52	"		"	559.7	1053.4		
SABINE PASS S.W. BASE 1874	comp.	"	29 43	93 52	"		"	875.8	971.6		
SUB STA. NO. 3 SABINE PASS S.W. BASE 1874	comp.	"	29 43	93 52	"		"	400.5	1212.6		
SUN OIL WHARF SABINE PASS Lt. (UPPER) 1947	Topo. Sheet B	"	29 44	93 53	"		"	1648.7	198.7		
SUN OIL WHARF SABINE PASS, LT. (LOWER) 1947	"	"	29 44	93 52	"		"	1609.4	3.3		
SABINE PASS CHANNEL LT. 34 1947	"	"	29 44	93 52	"		"	1384.2	463.2		
SABINE PASS, INNER RANGE REAR LT. 1947	"	"	29 44	93 52	"		"	459.5	1153.1		
			29 43	93 54	"		"	278.3	1569.1		
			29 43	93 54	"		"	319.4	1293.2		
			29 43	93 54	"		"	270.5	1576.9		
			29 43	93 54	"		"	404.3	1208.3		
			29 43	93 53	"		"	664.5	1182.9		
			29 43	93 53	"		"	473.1	1139.2		
			29 44	93 53	"		"	645.4	1202.0		
			29 44	93 53	"		"	421.5	1190.8		
			29 44	93 52	"		"	181.9	1665.5		
			29 44	93 52	"		"	149.6	1462.8		
			29 44	93 52	"		"	1543.0	304.4		
			29 44	93 52	"		"	1592.3	19.8		

1 FT. = 3048006 METER

COMPUTED BY: H. R. Rudolph

DATE January 1949

CHECKED BY: H. R. Rudolph

DATE January 1949

M-2388-12

8931

PROJECT NO. Ph-14(46) (97)71-1

SCALE OF MAP 1:10,000

SCALE FACTOR:

None

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: H. R. Rudolph

DATE January 1949

CHECKED BY:.....H. R. Rudolph.....

DATE January 1949

M-2389-12

COMPILATION REPORT

SHORELINE MANUSCRIPT, SURVEY NO. T-8931

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, Louisiana 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 the Baltimore compilation office. Refer to the radial plot report covering Surveys Nos. T-8929 to T-8932 inclusive, submitted to the Washington office on 1 March 1949. *Bound with Descriptive Report T 8929*

28. DELINEATION

The compilation is in accordance with Photogrammetric Instructions No. 17, dated 15 September 1947. *Filed in Div. Photogr. Office Files*

The positions of the terminals of the submerged cable in the vicinity where the East and West Jetties begin were transferred from the planetable sheet to the manuscript by use of the vertical projector. Planetable sheet 704lb was furnished by the field party.

30. MEAN HIGH WATER LINE

Because there was virtually no field identification of the MHWL on the apparent shoreline in the area of this survey, these lines were delineated solely from careful stereoscopic examination of the photographs. It is noted that a much more accurate and economical operation could have been effected if the location of the MHW line had been field identified in an occasional typical area.

31. MEAN LOW WATER AND SHOAL LINES

No field identification of low water or shoal lines was available for the area of this survey. However, mud lines, wherever they were discernible, were delineated.

32. DETAILS OFFSHORE FROM MEAN HIGH WATER LINE

Delineated in accordance with field identification.

33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

Thirteen floating and eleven nonfloating aids to navigation located by planetable in 1947 were plotted on the map manuscript.

The positions of the eleven nonfloating aids were scaled from the planetable sheet and 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 $2\frac{1}{2}$ mm. black acid ink circles; the radially plotted positions are shown with 6 mm. green translucent ink circles.

The positions of the thirteen floating aids were transferred from the planetable sheet to the manuscript by use of the vertical projector by matching common control stations.

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

Four landmarks appear on the manuscript and are being reported on Form 567.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELD AND AERONAUTICAL AIDS

None.

37. JUNCTIONS

Junctions were made with Survey No. T-8930 to the north and Survey No. T-8932 to the south. No contemporary surveys to the east and west.

38. GEOGRAPHIC NAMES

Geographic names were taken from Geographic Names Standard furnished by the Washington office, except the name Point Hunt, which was taken from Nautical Charts Nos. 517 and 1279.

A list of geographic names is included in this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Comparison was made with U. S. Army Map Service, Texas Point, Tex., La. quadrangle, scale 1:25,000, 1947, by use of the vertical projector and found to be in generally good agreement, except for the following:

The shoreline along Louisiana Point and the shoreline in the vicinity of the Coast Guard Station shows some erosion. Some of the islands have disappeared and others have built up. The major change is the island east of U. S. QUARANTINE STATION which has built up considerably.

A visual comparison was made with U. S. Engineers, Sabine Pass, Tex., La. quadrangle, scale 1:31,680, 1943. The major change occurs along the western tip of Point Hunt which has eroded considerably in the north and built up somewhat in the south.

45. COMPARISON WITH NAUTICAL CHARTS

This manuscript was compared visually with Chart No. 1279, scale 1:80,000 and Chart No. 517, scale 1:40,000, and found to be in generally fair agreement.

The following topographic information shown on T-8931 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
13 April 1949

Jack Hendrick
Engineering Draftsman

Harry D. Rudolph
Supervisor

Raymond Glass
Engineering Draftsman
Photogrammetric Office Review

Approved and forwarded
26 April 1949

Thos B. Baird
Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

T28931

- ✓ Dick Dowling Park •
- ✓ East Jetty •
- ✓ Gulf of Mexico* •
- ✓ Jaycee Pier •
- ✓ Lighthouse Bayou •
- ✓ Lighthouse Point •
- ✓ Louisiana Point •
- ✓ Mud Lake •
- ✓ Picton Slip •
- ✓* Point Hunt •
- ✓ Rosen Slip •
- ✓ Sabine •
- ✓ Sabine Pass •
- ✓ Sabine Pass (Town) •
- ✓ Sabine Pass Lighthouse Reservation •
- ✓ Sabine Pass Coast Guard Sta. •
- ✓ Texas Bayou •
- ✓ Texas Point •
- ✓ U.S. Quarantine Sta. •
- ✓ West Jetty •
- ✓ Louisiana* •
- ✓ Texas* •

*Appears on Nautical Charts No. 1279 and 517 but not on final names standards.

* = Decis. BGN

• = Approved name.

1-6-50

A.J.W.

1945
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLOATING AID TO NAVIGATION LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
TO BE DELETED }

Baltimore, Maryland 20 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 (delete from) the charts indicated.

The positions given have been checked after listing by R. Glaser *R. Glaser* Chief of Party
Thos. B. Reed

LOUISIANA AND TEXAS										POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM										
				°	'	°	'		D. M. METERS	D. P. METERS								
	TANK, (105 ft. high)	Sabine Pass Municipal Water Tank		29	44	182.7	93	53	1313.2	N.A.	1927	Rad. Plot	1947	X X	X X		517 & 1279	
	TANK, (135 ft. high)	U. S. Navy Section Base		29	43	1393.9	93	52	460.8	"	"	"	"	X X	X X		"	

NONFLOATING AIDS ORIENTED MARKS FOR CHARTS

**TO BE CHARTERED
TO BE DERIVED**

STRIKE OUT ONE

Baltimore, Maryland

20 April

1946

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

The positions given have been checked after listing by

Thos. B. Reed

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland

21 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)~~ the charts indicated.

The positions given have been checked after listing by

R. Glaser

K. Glaser

Thos. B. Reed

Chief of Party.

STATE Louisiana and 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	° ' "	D. P. METERS							
Buoy 38			29	44	963.5	93	53	564.6	NA	1947	X X		517 & 1279
" S 36			29	44	836.3	93	53	255.9	"	"	X X		"
" 9			29	44	18.0	93	52	510.6	"	"	X X		"
" N 32B			29	43	1400.9	93	51	1470.1	"	"	X X		"
" N 32A			29	43	917.6	93	51	1234.5	"	"	X X		"
" 32			29	43	263.2	93	51	897.8	"	"	X X		"
" S 30			29	42	1831.4	93	51	710.3	"	"	X X		"
Ltd. Buoy 28			29	42	699.2	93	50	1520.3	"	"	X X		"
Buoy S 24			29	41	1584.6	93	50	876.1	"	"	X X		"
" 7			29	41	1372.6	93	50	961.5	"	"	X X		"
" S 22			29	41	920.5	93	50	669.6	"	"	X X		"
" 5			29	41	630.7	93	50	490.7	"	"	X X		"
" S 20A			29	41	425.0	93	50	186.9	"	"	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.

Review Report T-8931
Shoreline Map
6 January 1950

61. Landmarks and Aids to Navigation.-Because the structures were clearly visible on the photographs, compilation positions for two landmarks (tanks), seven fixed aids, and one lighted buoy (no. 9) have been retained on the manuscript. The positions transferred from Control Survey 7041b prior to compilation, have been deleted. New positions were submitted on form 567.

Positions of floating aids (except No. 9) are those of the Control Survey. They were not visible on the photographs.

The two fixed aids on Sun Oil Company wharf are also the positions transferred from the Control Survey, though it is apparent that the upper light is not well placed with respect to the wharf structure. These lights are not visible on the photographs. The field inspector did not prick their location, but, instead, referred the compiler to the Control Survey.

62. Comparison with Registered Topographic Surveys: None

63. Comparison with Surveys of Other Agencies:

U.S.E. Texas Point, Tex-La., 1:25,000, 1949

U.S.E. Sabine Pass, Tex-La., 1:31,680, 1944

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

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

Information on the chart, but lacking on T-8931:

1. Row of piling extending outward from the shoreline between the Coast Guard Station and Texas Bayou.
2. Cable areas:
 - a. Vicinity Jetty Channel Range Front Light
 - b. Southward from Sabine Pass Lighthouse
3. Floating aid S-26
4. Wreck north of Lighthouse Point

66. Accuracy.-Map T-8931 conforms to the National Standard of Accuracy, and is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY:

L. V. Griffith
Chief, Review Section
Div. of Photogrammetry

H. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

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

SURVEY NO. T'8931

Record of Application to Charts

[illegible]

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.

