

# 8926

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

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-8926

### LOCALITY

State LOUISIANA & TEXAS

General locality GULF COAST INTRACOASTAL WATERWAY

Locality COW BAYOU TO SABINE LAKE

1947

### CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party

T. B. Reed, Baltimore Photo. Office

### LIBRARY & ARCHIVES

DATE June 25, 1951



## DATA RECORD

T- 8926

Quadrangle (II):

Project No. (II): Ph-14(46)

Field Office: Morgan City, La.

Chief of Party: Ross A. Gilmore

Compilation Office:  
Baltimore, Md.

Chief of Party:

Thos. B. Reed

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

Copy filed in *Division of*  
~~Report No. T- (VI)~~  
*Photogrammetry Office*  
*Files.*

Completed survey received in office:  
12-9-48

Reported to Nautical Chart Section: 12-15-48

Reviewed: 9/23/49 Applied to chart No. 884 Date: Nov. 18, 1949

Redrafting Completed: 5-12-50

Registered: 5-1-51

Published: \_\_\_\_\_

Compilation Scale: 1:10,000

Published Scale: \_\_\_\_\_

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): MHW

Reference Station (III): SABINE, 1933

Lat.: 29° 59' 07.395" (227.7)<sub>m</sub> Long.: 93° 47' 13.890" (372.3m) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Louisiana, South Zone

X =

Y =

Military Grid Zone (VI)



PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
C-1146 thru C-1149 (office & field)	25 Mar. 1947	1417	1:10,000	Not applicable

Tide from (III):

Mean Range: —

Spring Range: —

Camera: (Kind or source)  
Single lens Type C focal length 6"

Field Inspection by:

Harold A. Duffy

Charles H. Bishop

date:

20 Aug. 1947

Field Edit by: *None*

date: —

Date of Mean High-Water Line Location (III):

Same as date of photographs supplemented by field inspection.

Projection and Grids ruled by (III) WEW

date: 9 July 1948

" " " checked by: WEW

date: 9 July 1948

Control plotted by: M. F. Kirk

date: 30 Sept. 1948

Control checked by: J. C. Richter

date: 1 Oct. 1948

Radial Plot by: F. J. Tarcza

date: 14 Oct. 1948

Detailed by: M. F. Kirk

date: 25 Oct. 1948 to  
10 Nov. 1948

Reviewed in compilation office by:  
J. W. Vonasek

date:  
29 Nov. to 1 Dec. 1948

~~Elevations on Field Edit Sheet~~  
~~checked by:~~

~~date:~~



STATISTICS (III)

Land Area (Sq. Statute Miles): 10

Shoreline (More than 200 meters to opposite shore): 14.1 statute miles

Shoreline (Less than 200 meters to opposite shore): 15.6 statute miles

Number of Recoverable Topographic Stations established:

none

Number of <sup>photo hydro</sup> ~~Temporary Hydrographic~~ Stations located by radial  
plot: none

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered  
by, (II) Field Party, (III) Compilation Party, or, (VI) the  
Washington Office.

When entering names of personnel on this record give the  
surname and initials (not initials only).

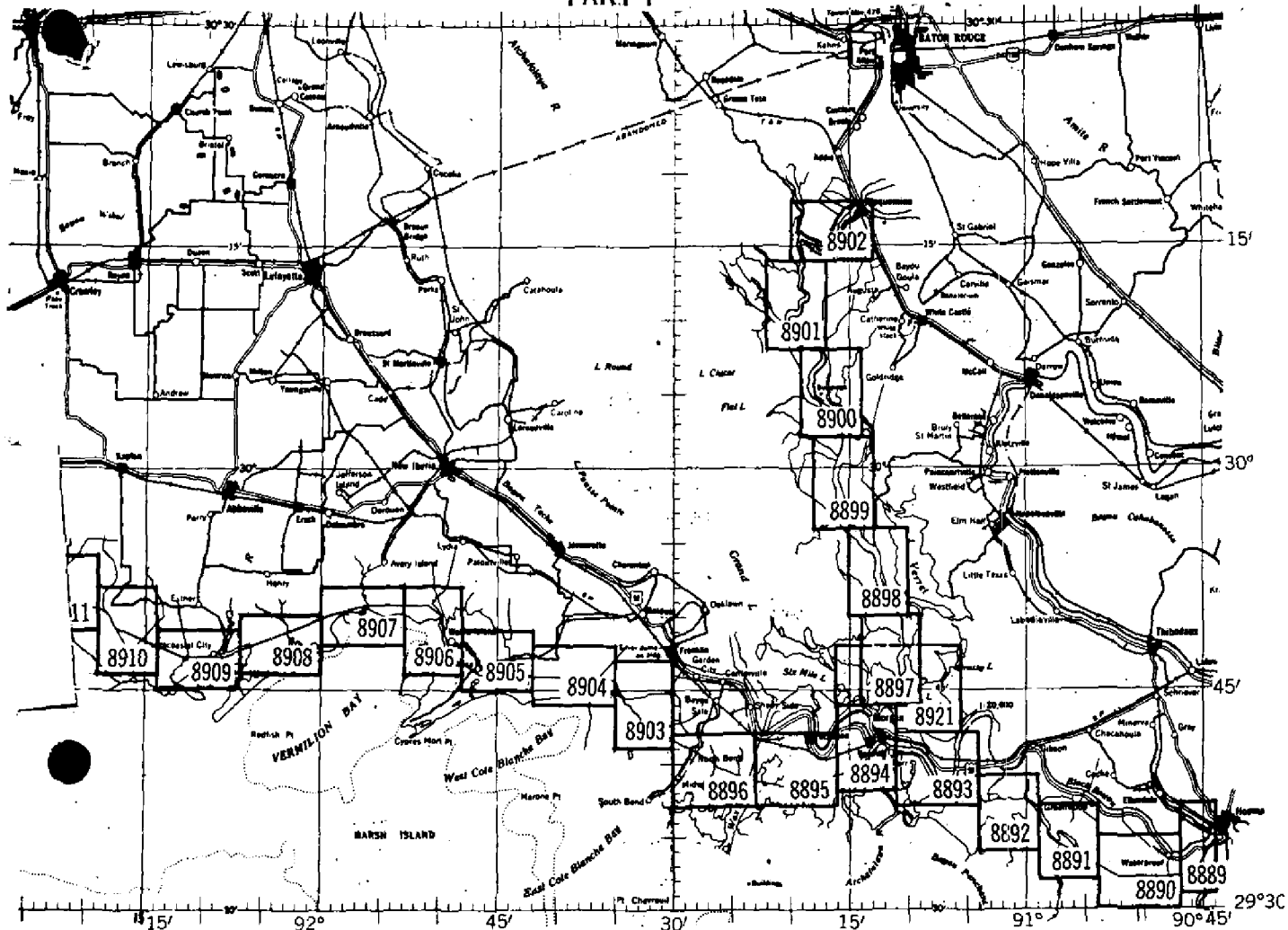
Remarks:



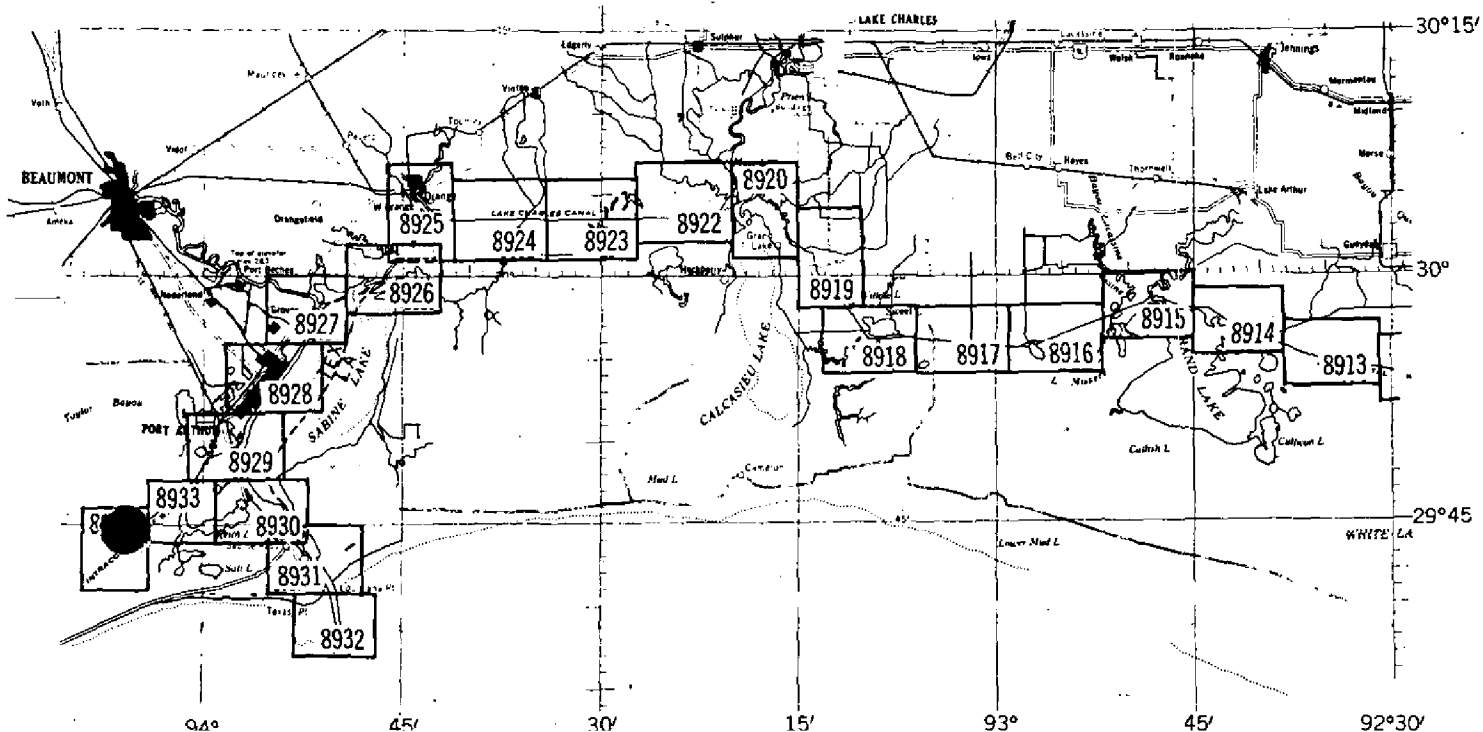
# SHORELINE MAPPING PROJECT PH-14(46)

LOUISIANA - TEXAS, Intracoastal Waterway Houma - Port Arthur

## PART 1



## PART 2





- 4 -

FIELD REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8926

For field data covering Survey No. T-8926 refer to the field report "Gulf Intracoastal Waterway, L81(1947), Vermilion Bay, La. to Port Arthur Texas", submitted by Ross A. Gilmore, dated October 1947. *Filed in Division of Charts - Nautical Chart Branch.*



## RADIAL PLOT REPORT

PROJECT NO. PH - 14 (46)

SURVEYS NOS. T-8926, T-8927, and T-8928

### GENERAL DESCRIPTION

This radial plot includes the areas of Surveys Nos. T-8926, T-8927 and T-8928, comprising part of a series of shoreline surveys in Project PH-14(46), located along the Intracoastal Waterway in Louisiana and Texas. The area covered by this radial plot extends along the Sabine River from latitude  $30^{\circ} 02'$  (south of Orange, Texas) to latitude  $29^{\circ} 52'$  (at Port Arthur, Texas).

### PHOTOGRAPHS

Nineteen (19) single lens photographs were used in this radial plot. They were taken with the Type C camera, 6" focal length at a scale of 1:24,000 and ratioed to a scale of 1:10,000. They are numbered 47-C-1134 to 47-C-1151, inclusive, and 47-C-1116.

The symbols for control and pass points used on those photographs are in accordance with photogrammetry instructions No. 12, dated 17 March 1947.

### CONTROL

Twenty-two (22) horizontal control stations were recovered and identified by the field inspection party in the area of this radial plot. Of these, seventeen (17) were pricked direct and five were identified on the photographs by the use of substitute points. Two additional stations were recovered but not identified and four stations were not recovered.

A sketch, showing distribution of control stations, photograph centers, and a list of horizontal control stations is attached to this report.

### PROJECTIONS

The map manuscript furnished the compilation office for the surveys in this radial plot were ruled with polyconic projections and Louisiana south, 5000 foot interval grids, at a scale of 1:10,000. Vinylite base sheets, ruled with 5000 foot grids at a scale of 1:10,000, previously furnished the compilation office for another project, were used for this radial plot.

All control stations and substitute stations were plotted and



### PROJECTIONS (Continued)

checked on the map manuscript using beam compass and meter bar. All control stations and substitute stations were transferred to the base sheets by matching common grid lines.

### TEMPLATES

Acetate templates were made of all photographs used in this radial plot.

### RADIAL PLOT

Pass points and photograph centers from a radial plot previously completed on Survey No. T-8925 to the north were transferred to the base sheets. Holding these points, the plot was extended southward. There was no difficulty in holding control stations except two lights. The positions of both lights, established by plane table or by theodolite cuts, were furnished by the field party. In each case, however, there was a substitute station, established from a triangulation station, near the light. The substitute stations were considered more reliable and were used to control the plot. A very strong fix was obtained at the south end of the plot by ten control stations in the City of Port Arthur, Texas.

The positions of all pass points and photograph centers were transferred by placing the manuscripts on the completed plot and matching common grid lines and pricking points directly on the manuscript.

### REMARKS

Two identified control stations, both lights, could not be held in the radial plot. The radially plotted position of SABINE-NECHES CANAL RANGE FRONT LIGHT 46, 1947, falls 0.6 mm. southwest of its geographic position. The position for this station was obtained from special report by the field inspection party, No. L-81(1947). ~~Since this position was scaled from a topo sheet, its position cannot be relied on as being accurate.~~ There is no other apparent reason for the discrepancy. *See Review Report, T-8926, Item 26!*

The radially plotted position for SABINE-NECHES CANAL LIGHT 22, 1947 falls 0.9 mm. south of its geographic position. The geographic position for this station was obtained from the field report accompanying Graphic Control Survey 7041A. It was not mentioned in that report, but its position, along with the position with two other lights mentioned therein, was entered in pencil notes with the notation "from geodetic records". The accuracy

*Geographic Positions, p. 164, Computation G 7610, 3rd order.  
L.T.S.*



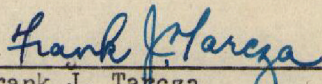
REMARKS (Continued)

of this position is not indicated. It could not be held in the radial plot and at the same time holding to SUB. STA. LOCKS, 1933, a station about 1000 meters to the south. The substitute station was considered more reliable, and could be held in the plot with other control stations, particularly with the strong fix at Port Arthur and also with a good fix in the center of Survey T-8927, SABINE-NECHES CANAL RANGE REAR LT. 24, about 200 meters northeast of LIGHT 22, was given a position in the special report No. L-81, apparently having been scaled from the topo sheet. It could be held in the radial plot giving further proof that the position of LIGHT 22 is probably inaccurate. (*Light 22  $\Delta$  deleted from map. Radial Plot position retained*) L.T.S. Hemo. to Geodesy.

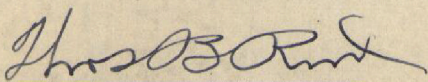
There were five stations on Survey T-8927, apparently scaled from the topo sheet, No. 7041A, that could not be held. BRIDGE, 1947 (a landmark) was about 1.0 mm in error as established by the radial plot. The other stations, TANK, 1947, SABINE-NECHES CANAL LT. 29, 1947, NECHES RIVER LIGHTS NOS. 3 and 4, 1947, and SABINE-NECHES CANAL RANGE REAR LT. 27, 1947 were in error 0.5 mm or less and in various directions. These stations were established by plane table and apparently scaled from a 1:20,000 scale topo sheet. At the larger scale of 1:10,000 of the radial plot, any errors in the scaled positions would be doubled and accounts for the discrepancies.

The number and distribution of photographs were adequate. There was sufficient control in the southern part of the area but more control in Survey T-8726 would have been desirable. A number of beacons in that area formerly had positions but they have been destroyed.

Respectfully submitted

  
Frank J. Tarcza  
Cartographic Engineer

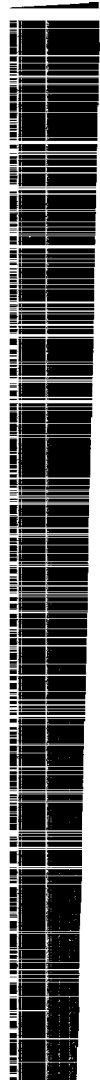
Approved and forwarded  
29 October 1948

  
Thos. B. Reed  
Officer in Charge  
Baltimore Photogrammetric Office



No.	Station	Recovered	Pricking
1.	HIGH, 1933	Yes	By Sub.Pt.
2.	STA. 574 + 77.6 (USE) 1933	Yes	" " "
<del>3.</del>	<del>SABINE NECHES CANAL RANGE FRONT LT. No. 46,</del>	<del>New</del>	<del>Direct</del>
	<del>1947</del>		
4.	SABINE, 1933	Yes	By Sub.Pt.
5.	NECHES RIVER REFERENCE LINE STATION 60 + 00 (700' offset)(USE), 1941	Yes	Direct
6.	SABINE NECHES CANAL RANGE FRONT LT. 27, 1947	New	Direct
7.	NECHES (USE) 1909 —	No	None
7.	YACHT, 1933	No	None
8.	SABINE NECHES CANAL LT. 25, 1947	New	Direct
9.	SABINE NECHES CANAL LT. 22, 1947	New	Direct
10.	LOCKS, 1933	Yes	By Sub. Pt.
10.	STA. 822 + 22.0 (USE) 1933	No	None
11.	PORT ARTHUR (NEW) (USE) 1933 —	No	None
12.	PORT ARTHUR, ST. MARYS HOSPITAL STACK, 1933	Yes	Direct
13.	PORT ARTHUR MUNICIPAL TANK, 1933	Yes	Direct
14.	PORT ARTHUR, NORTH TWIN CUPOLA, 1933	Yes	Direct
14.	PORT ARTHUR, SOUTH TWIN CUPOLA, 1933	Yes	Direct
15.	PORT ARTHUR COLLEGE RADIO MAST, 1933	Yes	Direct
16.	PORT ARTHUR HIGH SCHOOL STACK, 1933	Yes	Direct
17.	PORT ARTHUR WEATHER BUREAU MAST, 1933	Yes	By Sub. Pt.
18.	PORT ARTHUR, VAUGHN HOTEL FLAGPOLE, 1933	Yes	None
19.	PORT ARTHUR, GOODHUE HOTEL VANE, 1933	Yes	Direct
20.	PORT ARTHUR, NEGRO CHURCH, EAST CUPOLA 1933	Yes	None
20.	PORT ARTHUR, NEGRO CHURCH, WEST CUPOLA, 1933	Yes	Direct
21.	PORT ARTHUR, GULF UTILITIES STACK, 1931	Yes	Direct
22.	W. PORT ARTHUR, TEXAS OIL CO. DOCKS, W.T.(USE) 1912	Yes	Direct
23.	W. PORT ARTHUR, GRAIN ELEVATOR A. CHIMNEY, 1912	Yes	Direct
24.	PORT ARTHUR, RCS R.R. STATION CUPOLA, 1912	Yes	Direct











COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-8926

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 waterway charts at 1:40,000 scale.

Compilation Instructions were not furnished for this project.

26. CONTROL

A list of the stations on the manuscript is included in this report on Form No. M-2388-12. The following station was not held in the radial plot: SABINE NECHES CANAL RANGE FRONT LIGHT No. 46, 1947, tolerance 0.6mm.

27. RADIAL PLOT

The radial plot for this survey was made in this office. Refer to the radial plot report, covering Surveys Nos. T-8926 thru T-8928, submitted to the Washington Office on 29 October 1948. *Filed in Div. Photogrammetry General Files.*

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17, dated 15 September 1947. The shoreline of Sabine Lake, Cow Bayou and Black Bayou could not be more completely delineated due to lack of photographic coverage.

*Filed in Div. Photogrammetry Office Files.*

30. MEAN HIGH WATER LINE

There is practically no periodic tide in this area, thereby making the MHWL and the MLWL, for all practical purposes, one and the same.

31. MEAN LOW WATER LINE

See Mean High Water Line.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

None.

33. WHARVES AND SHORELINE STRUCTURES

None.



34. LANDMARKS AND AIDS TO NAVIGATION

A. The following lights were located by the radial plot:

Sabine Neches Canal Range Front Light No. 46  
Sabine Neches Canal Range Rear Light No. 46  
Sabine River Light No. 2

B. The following buoys were located on the manuscript by using the vertical projector and planetable sheet No. 7041 A...

Sabine Neches Canal Buoys Nos. 39 through 44

C. The following buoys were located in the field by 3 point sextant fixes with one check angle and were plotted on the manuscript using this information;

Sabine River Buoys Nos. 1, 4, 5, 8, 11, 14, 15, 17, 23, 25, 26, and 30.

The following buoys were also located by sextant fixes but the check angle could not be held. In each case the check angle was thrown out and the three point fix was held. The positions of these buoys check reasonably well with their approximate positions as indicated on the field photographs: *There is no necessity to consider arbitrarily that the check angle is less accurate than the other angles.*

Sabine River Buoys Nos. 6, 10, 19, 28, and 29. *See Review Report, Item 34.*

D. It is believed that there is an error in the field notes for the location of the following buoys, by sextant fix:

(a) Sabine River Buoy No. 2.

The only way this fix would hold was to use the left angle for the right angle and vice versa. This was done and a note to this effect was made in the field observations book.

(b) Sabine River Buoys 12 and 13.

It was noted in plotting the fix for each of the above buoys that the cut to Sabine River Light No. 5 held the plotted position of Sabine River Light No. 3.

(c) Sabine River Buoy No. 21.

This was plotted after rejecting the right angle and using the check angle. *See Review Report.*



34. LANDMARKS AND AIDS TO NAVIGATION (Continued)

E. The following lights were identified on the field photographs and were located on the manuscript by radial cuts:

Sabine River Lights Nos. 3 and 4.

F. There are no landmarks in the area of this survey. See also forms 567 attached to this report.

35. HYDROGRAPHIC CONTROL

None

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

38. GEOGRAPHIC NAMES 814✓

The geographic names were taken from the following final name standards:

- (1) ORANGEFIELD, TEX.-LA. 1:31680, edition of 1943
  - (2) W. OF GREENS BAYOU, TEX.-LA. 1:31680, edition of 1943
- See attached list of approved names.*

39. JUNCTIONS

This survey is bounded by the project limits to the south and east, Survey No. T-8925 to the north, and Survey No. T-8927 to the west. Junctions were made with these two surveys in the compilation office.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This sheet was compared with the two quadrangles mentioned in paragraph No. 38 and was found to be in fair agreement.

45. COMPARISON WITH NAUTICAL CHARTS

This sheet was compared with nautical chart No. 533, scale 1:40,000 and was found to be in fair agreement with it. *See Review Report*

The following topographic information shown on T-8926 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



34. COMPARISON WITH NAUTICAL CHARTS (Continued)

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

Respectfully submitted  
10 November 1948

*W. F. Kirk*  
Topographic Engineer

*Joseph W. Vonscek*  
Photogrammetric Engineer  
Photogrammetric Office Reviewer

*Harry R. Rudolph*  
Supervisor

Approved and forwarded  
10 December 1948

*Thos. B. ...*  
Officer in Charge  
Baltimore Photogrammetric Office



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**TO BE CHARTED  
TO BE EXCLUDED**

**STRIKE OUT ONE**

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D. C.

1979

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts)~~ the charts indicated.

The positions given have been checked after listing by H. J. Murray

S. V Griffith

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 SURVEYNONFLOATING AIDS ~~OR LAND MARKS~~ FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Baltimore, Maryland

7 December

19 48

I recommend that the following objects which have ~~(been examined)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

Thos. B. Reed

Chief of Party.

STATE	TEXAS-LOUISIANA			SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED				
					LATITUDE		LONGITUDE		DATUM								
					°	'	D. M. METERS	°		'						D. P. METERS	
CHARTING NAME	DESCRIPTION	INTRACOASTAL															
39	Sabine-Neches Canal Buoy				29	58	1720'	93	48	1537'	N.A. 1927	T-7041A	1947	X	X	X	517 884 533 1279
40	"	"	"		29	58	1628'	93	48	1506'	"	"	"	X	X	X	517 884 533 1279
41	"	"	"	"	29	59	161'	93	48	836'	"	"	"	X	X	X	517 884 533 1279
42	"	"	"	"	29	59	52'	93	48	801'	"	"	"	X	X	X	517 884 533 1279
43	"	"	"	"	29	59	408'	93	48	107'	"	"	"	X	X	X	517 884 533 1279
44	"	"	"	"	29	59	316'	93	48	98'	"	"	"	X	X	X	517 884 533 1279
1	Sabine River Buoy				29	59	1419'	93	46	436'	"	Sextant Fix	"	X	X	X	533,884
2	"	"	"	"	29	59	1639'	93	46	192'	"	"	"	X	X	X	"
4	"	"	"	"	30	00	174'	93	46	103'	"	"	"	X	X	X	"
5	"	"	"	"	30	00	269'	93	46	193'	"	"	"	X	X	X	"
6	"	"	"	"	30	00	326'	93	46	56'	"	"	"	X	X	X	"
8	"	"	"	"	30	00	643'	93	45	1473'	"	"	"	X	X	X	"
10	"	"	"	"	30	00	1166'	93	45	1082'	"	"	"	X	X	X	"
11	"	"	"	"	30	00	1293'	93	45	1102'	"	"	"	X	X	X	"

\* See Revised Report

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

## NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE OBSOLETE~~

STRIKE OUT ONE

Baltimore, Md.

7 December

1948

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks, be charted on (~~new charts~~) the charts indicated.

The positions given have been checked after listing by

*Joseph W. Vonasek*  
Joseph W. Vonasek

Thos. B. Reed

Chief of Party

STATE	TEXAS-LOUISIANA			POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS OF AFFECTED INTERCOASTAL WATERWAYS
	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM											
				°	'	°	'												
									D. M. METERS	D. P. METERS									
12	Sabine River Buoy			30	00	1448'	93	45	806'	N.A. 1927	Sextant Fix	1947	X	X	533,884				
13	"	"		30	00	1754'	93	45	626'	"	"	"	X	X	"				
14	"	"		30	00	1773'	93	45	354'	"	"	"	X	X	"				
15	"	"		30	01	35'	93	45	358'	"	"	"	X	X	"				
17	"	"		30	01	130'	93	45	144'	"	"	"	X	X	"				
* 19	"	"		30	01	345'	93	44	1276'	"	"	"	X	X	"				
* 21	"	"		30	01	513'	93	44	969'	"	"	"	X	X	"				
23	"	"		30	01	850'	93	44	664'	"	"	"	X	X	"				
25	"	"		30	01	1151'	93	44	612'	"	"	"	X	X	"				
26	"	"		30	01	1209'	93	44	497'	"	"	"	X	X	"				
* 28	"	"		30	01	1520'	93	44	512'	"	"	"	X	X	"				
* 29	"	"		30	01	1800'	93	44	597'	"	"	"	X	X	"				
30	"	"		30	01	1807'	93	44	495'	"	"	"	X	X	"				
* See Review Report																			

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.



1-89260

# NONFLOATING AIDS GRANTS MARKS FOR CHARTS

**TO BE CHARTERED  
TO BE DELETED**

**STRIKE OUT ONE**

**Baltimore, Maryland**

7 December

1987-88

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks, be charted on ~~(detached form)~~ *(see 11/10/54)* the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

Chief of Party.

**Thos. B. Reed**

[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.



8 June 1950

MEMORANDUM FOR: DIRECTOR, U. S. COAST AND GEODETIC SURVEY, DEPARTMENT  
OF COMMERCE  
ATTN: Administrative Planning Section  
SUBJECT: Classification Clearance

1. Reference is made to your memorandum, file No. 731-lmh, dated 31 March 1950, forwarding ten maps for security clearance. Three maps were returned to your agency by Assistant Chief of Staff, G-2 memorandum, dated 27 April 1950.

2. There is no objection to publication of the following listed maps as unclassified:

No. T-8923  
No. T-8924  
No. T-8926 ✓  
No. T-9176  
No. T-9178  
No. T-9185

3. It has been necessary to return map No. T-9186 to the 4th Army for reconsideration of detail marked for deletion by that command. The map will be forwarded to your agency upon its return here.

FOR THE ASSISTANT CHIEF OF STAFF, G-2:

1 Incl  
6 Maps as listed above

ERNEST A. BARLOW  
Colonel, GSC  
Chief, Security & Training Division



GEOGRAPHIC NAMES

T-8926

- ✓ • Black Bayou ✓
- ✓ • Cow Bayou ✓
- ✓ • East Pass ✓
- ✓ • Hickory Cove ✓
- ✓ • Intracoastal Waterway \* ✓
- ✓ • Little West Pass ✓
- ✓ • Middle Pass ✓
- ✓ • Old Lakeshore Road ✓
- ✓ • Sabine Lake ✓
- ✓ • Sabine River \* ✓
- ✓ • Shell Canal (near Hickory Cove) ✓
- ✓ • Shell Canal (near Sabine River Light No. 3) ✓
- ✓ • Shell Island ✓
- ✓ • West Pass ✓

- ✓ • Louisiana \*
- ✓ • Texas \* ✓

\* signifies USGB decision

Names preceded by •

are approved - 9-20-41  
L. Heck



Review Report  
Shoreline Survey T-8926

23 September 1949

26 Control

Two triangulation stations were plotted on the manuscript during review and are listed on Form M-2388-12 contained in this Descriptive Report.

The radially plotted position of Sabine-Neches Canal Range Front Light 46 was accepted as correct and was used instead of the location as obtained from T-7041 A (1947) for the following reasons:

Ch. 517 CK  
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- (1) the photo image was readily visible
- (2) the proximity of station Sub-point Sabine, 1933, to Lt. 46 tended to fix the lights position precisely
- (3) A straight line connecting this position and the Rear Range Lt. determined a more central pathway between the channel bouys approaching the range.

28 Detailing

Sections of the shoreline on both sides of the Intracoastal Waterway immediately north of Shell Island were redelineated, since during compilation the manuscript positions of Sabine-Neches Canal Rear Range and Rear Range Lights 46 were held to the pricked apices (and hence the radially displaced position) of their respective photo images.

34 Landmarks and Aids to Navigation

In locating bouys by the sextant fix method, the same procedure was employed as explained in the Review Report for T-8926. The positions of all photo-points were checked by radial plot methods.

Bouy 6 was retained in its original compilation position and is within accuracy limits.

Bouy 10 was relocated by a three point fix discarding the obviously incorrect angle to photo-point B.

Bouy 19 was placed approximately 2 meters west of its former position. A relocation of photo-point E made possible a four point fix.

Bouy 21 was relocated in an approximate position.

Bouy 28 was retained in its original compilation position and is accurate within 10 meters.



Bouy 29 was located approximately 3 meters southeast of its former position by holding three photo-points. The angle to Sabine River Light 5 was not used because of the latter's removal from T-8925.

The new positions for Bouys 10, 19, 21 and 29 were scaled and a Form 567 was submitted and placed on file in the Division of Charts. A copy is herein attached.

#### 44 Comparison with Existing Surveys

##### A. Quadrangles:

Orange, Texas (U.S.G.S.)	1:62500	1926
Terry, Texas (U.S.G.S.)	1:62500	1926
Orangefield, Tex.-La. (U.S.E.)	1:31680	1943
Phoenix Lake, La. (U.S.G.S.)	1:31680	1932
Greens Bayou, La. (U.S.G.S.)	1:31680	1934
West of Greens Bayou, Tex.-La. (U.S.E.)	1:31680	1943

##### B. Topographic Surveys:

T-6042	1:20,000	1947
T-7041A	1:20,000	1947

*T-8926 supersedes these surveys for nautical charting.*

##### C. Hydrographic Surveys:

There are none covering this area.

#### 45 Comparison with Nautical Charts

533	1:40,000	1948 (latest correction date)
517	1:40,000	1949 " " "
1279	1:80,000	1949 " " "

There is a small cutoff on the marshy peninsula immediately north of Little West Pass that does not appear on 533. *Falls in lettering.*

The T-8926 position of Sabine-Neches Canal Range Rear Light 46 falls approximately 70 meters E.N.E. of its location on Chart 533.

#### 45 Adequacy of Compilation

This compilation meets the requirements of standard accuracy in the immediate vicinity of the Intracoastal Waterway.



Reviewed by: . .

Howard J. Murray  
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Approved by:

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## NAUTICAL CHARTS BRANCH

SURVEY NO. T. 8926

## 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.