8910

Diag. Cht. No. 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. ..... *Office No.* T-8910

Project NO. ph-14(46)

LOCALITY

State Louisiana

General locality Gulf Coast Intracoastal Waterway

Locality 7th Ward Canal to Isle Marrone Canal

1947

CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party

Thos. B. Reed, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE July 16, 1951

B-1870-1 (1)

8910

Form T-1

DATA RECORD

T- 8910

Quadrangle (II):

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

Field Office:
Morgan City, Louisiana

Chief of Party: R. A. Gilmore

Compilation Office:
Baltimore, Maryland

Chief of Party: Thos. B. Reed

Instructions dated (II III):
PH-14(46)-Field (no date)

Copy filed in ~~Descriptive Report No. T-~~ Div. ~~(VI)~~ Photogr. office files

Completed survey received in office: 9/27/48

Reported to Nautical Chart Section: Sept '48

Reviewed: 6/16/49 Applied to chart No. 883 Date: 4/5/50 July 26, 1950

Redrafting Completed: July 1950 (partial)

Registered: 6/22/51 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): TT 67 L, 1932 (USGS)

Lat.: 29° 50' 43.44" (1337.6m) Long.: 92° 17' 47.67" (1279.6m) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI): Louisiana, South

X = ———— Y = ————

Military Grid Zone (VI)

PHOTOGRAPHS (III)

90th meridian

Number	Date	Time	Scale	Stage of Tide
18582 *	11-23-46	1437	1:10,000	0.1' MLW
18583 *	11-23-46	1437	1:10,000	0.1' MLW
18584 *	11-23-46	1438	1:10,000	0.1' MLW

* Field and office photographs

Tide from (III): Predicted Tide Tables, Atlantic Ocean 1946, Reference Station Galveston, Texas with corrections to Weeks Bay, Vermilion Bay.

Mean Range: 1.1 **Spring Range:** Diurnal 1.5

Camera: (Kind or source)
U.S.C.& G.S. Nine Lens Camera, 8¼" Focal length

Field Inspection by: Harold A. Duffy, B. Locke **date:** 5 July, 26 Sept. 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) W.E.W. **date:** 5/20/48

" " " **checked by:** W.E.W. **date:** 5/20/48

Control plotted by: unknown (Washington Office) **date:** unknown

Control checked by: unknown (Washington Office) **date:** unknown

Radial Plot by: Roscoe J. French, E. H. Ramey **date:** 12 July 1948

Detailed by: JohnC. Richter **date:** 27 July 1948, 2 Sept. 1948

Reviewed in compilation office by: J.W.Vonasek **date:** 16 Sept. to 20 Sept. 1948

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

STATISTICS (III)

Land Area (Sq. Statute Miles): 8

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): 18.5

Number of Recoverable Topographic Stations established: none

Number of ~~Temporary Hydrographic~~ photo hydro 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:

MAP T- 8910 PROJECT NO. Ph 14 (46) SCALE OF MAP 1:10000 SCALE FACTOR 1:00

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~~ Tolerance	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)
BM 92 USE 1934 1761 ~~and~~ 27.8	Sealed T-6177b	NA1927	29-48 92-17	See Form 524	HELD	1792.2 55.1 279.1 1332.0	
PBM 35 1934 1711 ~~and~~ 835 Milepost 175	"	"	29-49 92-17	See Form 524	HELD	1191.8 665.6 1119.4 491.5	
TT 67 L 1932 USGS	Schooner Bayou No.11	"	29-50 43.44 92-17 47.67		0.5mm	1337.6 509.8 1279.6 331.0	
~~MARRONE, 1934 (office recovery)~~	Acc.No. G-3997 P.244	"	~~29 49 46.146 92 17 37.706~~		Held	~~1420.8 426.6 1012.3 598.8~~	Lost
TT 66 L, 1932 USGS	Schooner Bayou 10		29° 51' 04.33 92° 15' 23.70				

1 FT. = .3048006 METER

COMPUTED BY: L. M. Light DATE 6-2-48 CHECKED BY: H Murray DATE 6-3-48

M-2388-12

MAP T-8911 PROJECT NO. Ph 14 (46) SCALE OF MAP 1:10000 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)	~~MARK~~ CORRECTION Tolerance	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)
BM 61 (U.S.E.D.)			29-52	See Form 524	0.5mm	483.0	1364.4		
Sta.1372+80(USE)	T-6177b	NA 27	92-22			924.5	685.6		
PBM 38 (USED)			29-51	See Form 524	2.0mm	432.4	1415.0	See Review	
Sta.1447 and 80	T-6177b	NA 27	92-21			1357.2	253.2	Report for T-8911	
(USE)	USE File No. "		29-50	By letter (ozilid)	0.5mm	1566.2	281.2		
Sta.1503+01.79	H-16-14		92-20			1569.5	41.3		

1 FT. = .3048006 METER

COMPUTED BY: R. M. Boyle DATE 6-2-48 CHECKED BY: Murray DATE 6-2-48

M-2388-12

MAP T- 8912 PROJECT NO. Ph 14 (46) SCALE OF MAP 1:10000 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~~ Tolerance	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)
Sta. 1266 and 67.13			29-53	See Form 524		3.3mm	201.6	1645.8		
BM 57 USE	T-6177b	NA 27	91-24				338.6	1271.4		
PBM 37			29-53	See Form 524		HELD	638.1	1209.3		
Sta. 1183 + 80	T-6177b									
Mile Post 185		NA 27	92-25				1222.3	387.4		
Sta. 1122 + 35.52	"	"	29-53	See Form 524		2.3mm	946.7	900.7		
BM 52 USE			92-26				1451.0	159.0		
Sta. 1055 + 57.92	"	"	29-53	See Form 524		3.0mm	1290.1	557.3		
BM 50 USE			92-28				238.0	1371.7		
FLORENCE STACK	~~G.A.~~ &	"	29-55 11.247	See recovery card		HELD	346.3	1501.1		
(U.S.G.S. 1932	G.P.		92-30 49.366				1324.2	285.2		

1 FT. = .3048006 METER

COMPUTED BY: K. M. Sayk DATE 6-2-48

CHECKED BY: [illegible] DATE 6-2-48

M-2388-12

MAP T- 8913 PROJECT NO. Ph 14 (46) SCALE OF MAP 1:10000 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)	Tolerance	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)
Coastal 1932 (U.S.G.S.)	G.P.	NA 27	29-54	22.714			HELD	699.4	1148.0		
			92-32	40.690				1091.6	518.0		
MV 738 and 98.22 BM 40 (U.S.E.)	Sealed T-6176	"	29-54		See Form 524		2.5mm	1066.1	781.3		
			92-34					90.9	1518.7		
PBM no.39 655 & 80.7 Milepost 195	"	"	29-54		See Form 524		1.6mm	1496.6	350.8		
			92-35					985.9	623.6		
1933 Intra (U.S.G.S.)	" G.P.	"	29-55	06.718			HELD	206.9	1640.6		
			92-36	50.210				1346.8	262.7		

Lee Dvorak 7-8913

1 FT. = .3048006 METER

COMPUTED BY: L.M. Sajik DATE 6-2-48 CHECKED BY: D. Murray DATE 6-2-48

M-2388-12

MAP T- 8914 PROJECT NO. Ph-14 (46) SCALE OF MAP 1:10000 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 XXXX Tolerance	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)
USE PBM 40 391	Sealed	NA '27	29-56	See Form 524			409.8	1437.7		
Milepost 200 80	T-6176		92-40			HELD	555.1	1054.0		
1933		"	29-56-33.71				1038.0	809.4		
Canal (U.S.G.S.)	G.P.		92-41-35.9			HELD	962.8	646.2		
Grand (U.S.G.S.) 1933	G.P.	"	29-57-41.53				1278.8	568.6		
			92-44-34.89			HELD	935.5	673.3		

1 FT. = .3048006 METER

COMPUTED BY: L.M. Sajik DATE 6-2-48 CHECKED BY: J. Murray DATE 6/3/48

M-2388-12

MAP T- 8915 PROJECT NO. Ph 14 (46) SCALE OF MAP 1:10000 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 Tolerance	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)
Sta. 53400 (USE)	Grand Lake W. (USE) P A2	NA 27	29-58 04.404"	See Form 524	23mm	135.6	1711.9		
			92-46 17.933"			480.8	11279		
Entrance (GS) 1933	"	"	29-58 30-26"		HELD	931.7	9158		
			92-48 12-39"			332.2	1276.4		

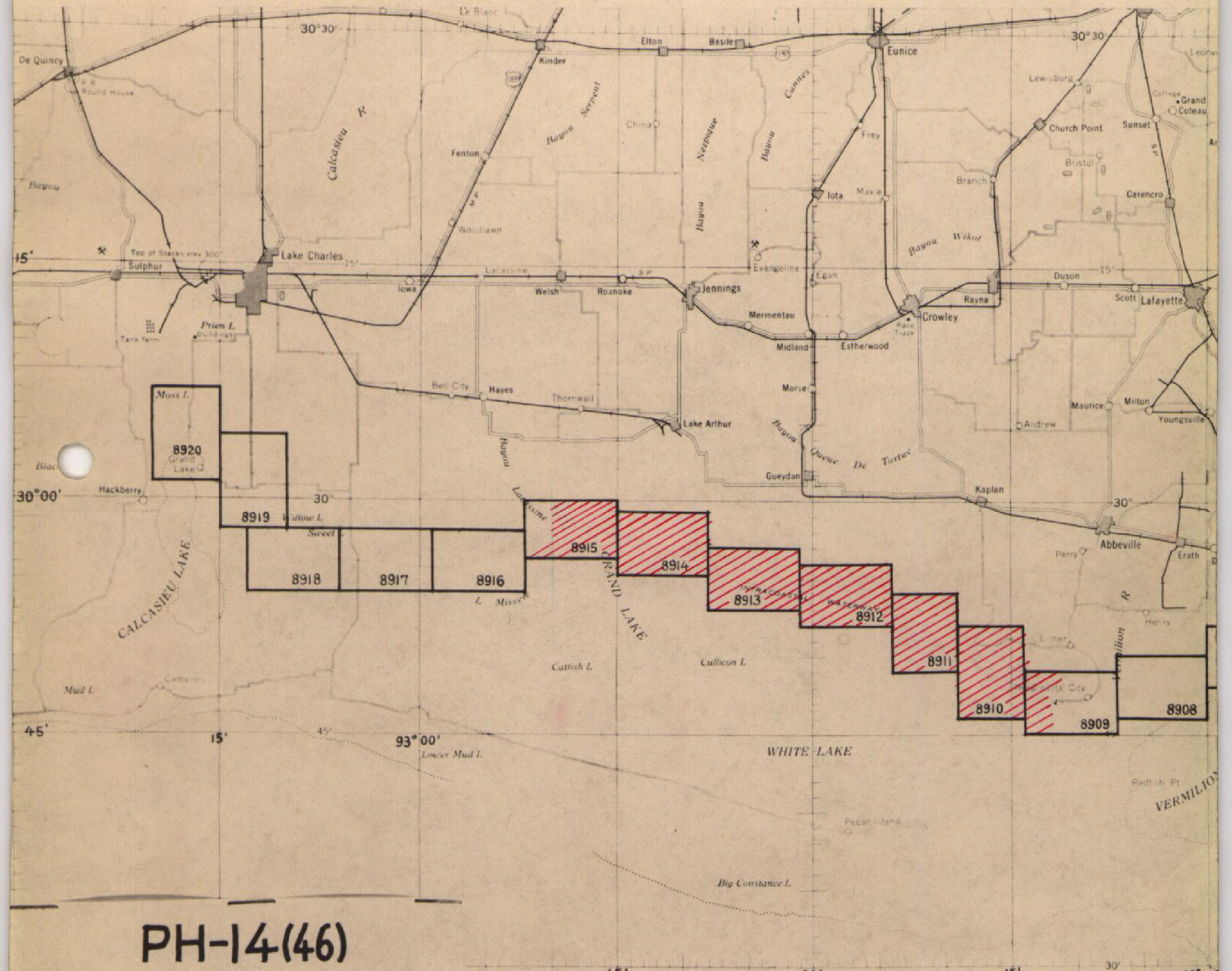
1 FT. = .3048006 METER

COMPUTED BY: L. M. Sajek DATE 6-2-48

CHECKED BY: H Murray DATE 6/2/48

M-2388-12

T8910



PH-14(46)

Project Ph-14 extends to Corpus Christi, Tex..
(Other sheets to be laid out at a later date.)

Radial Plot

FIELD REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8910

For field data covering Survey No. T-8910 refer to the special Field Report L 81, 1947 Vermilion Bay, Louisiana, to Port Arthur, Texas, submitted by Ross A. Gilmore dated October 1947 filed in the Nautical Chart Branch. see letter 81 (47)

Division of Photogrammetry
Review Report of
Shoreline Survey Map Manuscript T-8910

27 RADIAL PLOT

This radial plot is part of the continuous radial plot which extends along the Intracoastal Waterway with a single flight of 9-lens photographs from Houma, Louisiana westward through Louisiana and Texas.

This part of the plot includes manuscripts T-8909, 8910,8911,8912,8913,8914, and part of T-8915 which are designated as shoreline sheets and extend from longitude 92°12' to 92°50' as indicated on the attached index.

A junction in the middle of T-8909 with the plot to that point was made satisfactorily, and the plot was continued westward along the Waterway. The reason a junction was made in the middle of T-8909 and left off in the middle of T-8915 was the relatively good fix realized in the area from which to continue a subsequent plot.

In specific instances the USC&GS triangulation computed positions and the USE computed traverse positions held ~~good~~ well. The USC&GS planetable graphic control and the USGS transit traverse stations were of lesser accuracy and tolerances of the stations held are shown on Control Form M-2388-12 attached to this report. New positions for the recoverable topographic stations as determined by the radial plot are shown on Form 524 and are filed in the Division of Photogrammetry.

The manner and difficulty with which control was pricked in the more forested and cover areas of swamp give reason for the tolerances listed.

The control density was generally inadequate except for sheets T-8913 and 8914 where USC&GS control is spaced well for plotting purposes. Considerable strength was accredited Milepost 185 on T-8912 as it was only 145 meters distance from the USGS station Warren, 1933, listed as lost. It was scaled from the 1:20,000 scale planetable sheet T-6177b and its close proximity to and closure with Warren, 1933 would indicate its worth as good control.

The only station of reasonable tolerance on T-8911 was the USE computed transit traverse station 1503 ~~and~~ 01.79 which held within 0.5 mm. The USGS transit traverse station TT 67 L 1932 held to within 0.5 mm on T-8910,

and USE stations 1711 and 83.5 and 1761 and 27.8 are also within that limit. Station 1711 and 83.5 is so close to azimuth that no reliable check on its tolerance can be made.

Repeated attempts were made to hold the control mentioned more closely. USC&GS station Marrone, 1934 listed as lost in 1947, was recovered and pricked in the office. A good recovery was realized from the description and the station was held at the expense of distributing the possible error in the plot over the control mentioned in the preceding paragraph. It was impossible to hold all of the control listed and also hold azimuth and the more desirable intersections throughout the plot in the T-8910 and 8911 area. An attempt was made to distribute the intersections in such a manner as to not detract from the accuracy needed for subsequent compilation of 1:40,000 scale nautical charts.

Vinylite templets were used throughout with the aid of MASTER TEMPLET 18743 for chamber adjustments and paper distortion corrections. All photographs were printed on positype paper.

Nine lens pictures 18576 through 18604 were used along the Waterway. Coverage is adequate and the plot is considered strong enough for accurate detailing and use as basic source material for 1:40,000 scale nautical charts.

Plot laid by:

E.H. Ramey
E. H. Ramey

Roscoe J. French

Report submitted by:

Roscoe J. French
Roscoe J. French

Approved by:

G.B. Willey
G. B. Willey

Date: July 12, 1948

COMPILATION REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8910

This manuscript is one of a series of shoreline surveys in Project No. PH-14(46), located along the Intracoastal Waterway and covering a narrow strip of land from Houma, Louisiana, 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 prepared.

26. CONTROL

This manuscript was received from the Washington Office with the control plotted thereon. A list of these stations is included in the radial plot report on Form No. M2388-12. (attached)

28. DELINEATION

Limits of areas of swamp, marsh, high ground and the interpretation of other inland features were determined after careful stereoscopic examination of the photographs.

The field inspection of shoreline and offshore features was adequate for the area of this survey.

Some difficulty was encountered in the placement of detail due to the weakness of the radial plot (see radial plot report) and inadequate photographic coverage in the area of North Prong Schooner Bayou but the results are considered to be within accuracy requirements.

A highway identified on Field Photograph No. 18582 as Louisiana State Highway No. 26 is in disagreement with the identification on Field Photograph No. 18583 and the Final Name Standard (Schooner Bayou Quadrangle S.E.), both of which identify it as State Highway No. 292.

30. MEAN HIGH WATER LINE

The mean tide range in the area covered by this manuscript is about one foot thereby making the MHWL and MLWL for all practical purposes one and the same.

The shoreline was delineated after careful stereoscopic examination.

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

Delineated in accordance with field identification.

34. LANDMARKS AND AIDS TO NAVIGATION

None

35. HYDROGRAPHIC CONTROL

None

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

37. JUNCTIONS

Junction has been made to the east with Survey No. T-8909 and Survey No. T-8911 to the west and found to be in good agreement.

Project limits are to the north and south.

38. GEOGRAPHIC NAMES

Geographic names were taken from the Final Names Standard submitted by the Washington Office. *see attached list*

A list of geographic names is attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8910 has been compared in detail with U. S. Geological Survey, Schooner Bayou Quadrangle (S.E. quarter) and U.S. Geological Survey Abbeville Quadrangle (S.W. quarter) advance sheets and found to be in good agreement.

45. COMPARISON WITH NAUTICAL CHARTS

Due to the great difference in scale between this manuscript (at 1:10,000) and Nautical Charts Nos. 1277 and 1051 (at 1:80,000, 1:175,000) respectively, a minute comparison could not be made.

The following topographic information shown on Survey No. 8910 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 changes in cultural and shoreline details need no special discussion.

Respectfully submitted
3 September 1948

John C. Richter
Engineering Draftsman

Joseph W Voracek
Photogrammetric Engineer
Photogrammetric Office Reviewer

Approved and forwarded
23 September 1948

Harry R. Rudolph
Supervisor

Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

- Forked Island
- Forked Island (Village)
- Forked Island School
- Intracoastal Waterway
- Isle Marrone
- Isle Marrone Canal
- North Prong Schooner Bayou
- Sassafras Island
- Thannas Island
- Touchets Canal
- 7th Ward Canal

- State Roads 26, 292.
- Forked Island Ferry.

Names preceded by • are approved.. 6-13-49
L. Heck.

GFW

Review Report
Shoreline Survey T-8910

26 Control

One horizontal control station was plotted on the manuscript during final review, and is listed on the Form M-2388-12 attached to this Descriptive Report.

44 Comparison with existing surveys

A. Quadrangles:
Abbeville, La. (S.W.) 1:31,680 1932
Schooner Bayou, La.(S.E.) 1:31,680 1932

B. Topographic Surveys
T-6177 1:20,000 1934
This map supersedes T-6177 for nautical charting purposes.

C. Hydrographic Surveys
There are no contemporary surveys in this area

45 Comparison with Nautical Charts

1277 1:80,000 1947 (correction date)
There are no significant differences between T-8910 and the chart.

47 Adequacy of Compilation

Field inspection was adequate in the immediate vicinity of the Intracoastal Waterway. In the future this area will be covered more completely by topographic maps T-9103 and T-9104.

Reviewed by:

Howard J. Murray
Howard J. Murray 16 June 1949

Approved by:

A. V. Griffith K.H.M.
Chief, Review Section

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

O. S. Reading
Chief, Div. of Photogrammetry

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

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8910

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
Apr 5, 50	883	E. J. Ruszczynsky	~~Before~~ ~~After~~ Verification and Review
4-20-50	1277	Earl M. Brogoz Jr	~~Before~~ After Verification and Review Exam No critical changes
			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.