

9295

Diag. Cht. Nos. 1284 & 1285

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-14(46) Office No. T-9295

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality STEAMBOAT ISLAND TO DEWBERRY ISLAND

1948

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party.

T.B.Reed, Baltimore Photogrammetric Office.

LIBRARY & ARCHIVES

DATE

9295

DATA RECORD

T - 9295
(revision of T-5364)

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

Field Office (II): Port Lavaca, Texas Chief of Party: Ross A. Gilmore

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

Instructions dated (II) (III): (no date); Supplement 1,
22 July 1947, Letters dated 5 June 1947,
29 July 1947, 4 February 1949 and 20 July 1949 Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 11-30-49 Date reported to Nautical Chart Branch (IV): 12-7-49

Applied to Chart No. Date: Date registered (IV): 18 Nov. 1952

Publication Scale (IV): Publication date (IV):
(Date of issue July 1952)

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): DEWBERRY, 1934

Lat.: 28° 23' 52.249" (1608.4m) Long.: 96° 29' 14.319" (389.8m) Adjusted
~~Unadjusted~~

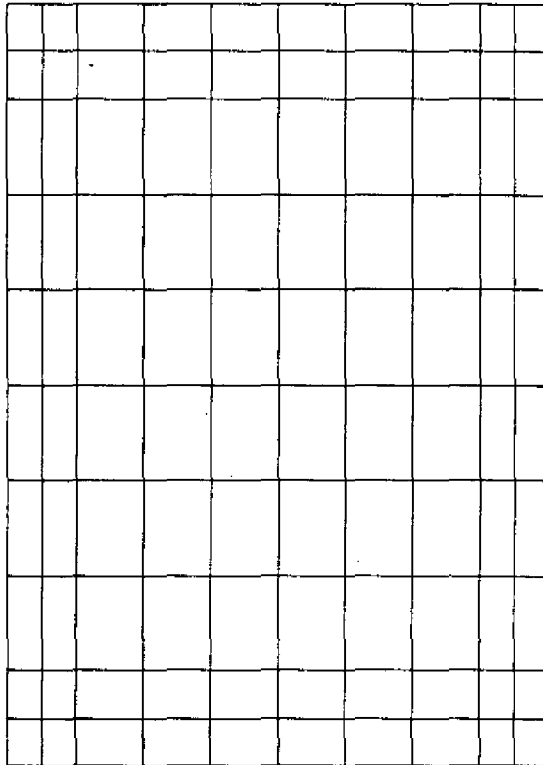
Plane Coordinates (IV): State: Zone:

Y= X=

No state coordinates are drawn on T-9295

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.



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

(shoreline)

DATA RECORD

Field Inspection by (II): Charles H. Bishop

Date: January 1948.

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 (11-21-46)
Located on field photographs

Projection and Grids ruled by (IV): On original manuscript

Date: 1934

Projection and Grids checked by (IV): On original manuscript

Date: 1934

Control plotted by (III): Millard F. Kirk

Date: 27 June 1949

Control checked by (III): Leroy A. Senasack

Date: 27 June 1929

Radial Plot or Stereoscopic
Control extension by (III): none

Date:

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Date:

Manuscript delineated by (III): Ruth R. Hartley

Date: 30 August 1949

Photogrammetric Office Review by (III): R. Glaser

Date: 22 November 1949

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

Date:

U. S. Coast and Geodetic Survey nine lens camera-focal

Camera (kind or source) (III): length 8 1/4"

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
18290-18291 incl.	11/21/46	1118	1:10,000	0.4' above MLW	
18293-18298 incl.	11/21/46	1130	1:10,000	0.5' above MLW	
18310-18312 incl.	11/21.46	1200	1:10,000	0.6' above MLW	

Tide (III)

Reference Station: Galveston, Texas.
 Subordinate Station: Pass Cavallo
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4
1.0	1.0	1.4

Washington Office Review by (IV): *Lena J. Stevens*

Date: *2 Nov. 1950*

Final Drafting by (IV): *Baltimore Office*

Date:

Drafting verified for reproduction by (IV): *Sylvia Mean*
W. O. Hallum

Date: *24 June 1952*
25 June 1952

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 22 (revised)

Shoreline (More than 200 meters to opposite shore) (III): 32 statute miles

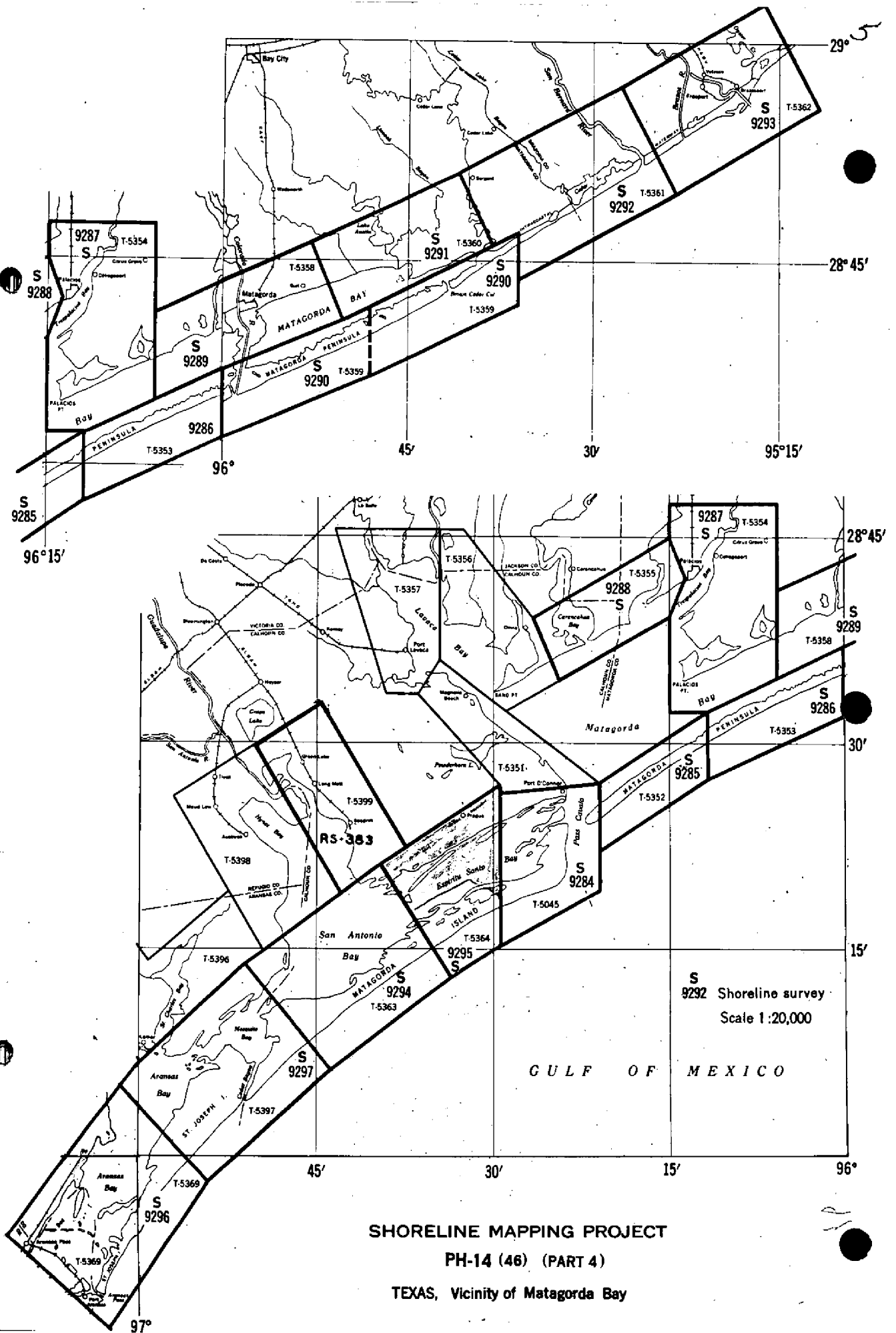
Shoreline (Less than 200 meters to opposite shore) (III): 12 statute miles

Control Leveling - Miles (II):

- * Number of Triangulation Stations searched for (II): 7 Recovered: 5 Identified: 5
- Number of BMs searched for (II): Recovered: Identified:
- Number of Recoverable Photo Stations established (III): 5 (USE TRAVERSE STATIONS)
- Number of Temporary Photo Hydro Stations established (III): None.

Remarks:

* In addition, 5 C of E (USE) Traverse Stations were searched for, recovered and identified.



Summary to Accompany T-9295

Shoreline survey T-9295, scale 1:10,000, (Lat. 28° 15' to 25', Long. 96° 29' to 96° 39') is one of 76 maps in project Ph-14(46), Intracoastal Waterway, which consists of four parts.

This project was planned to furnish data for a new series of Inland Waterway charts at 1:40,000 scale.

T-9295 is one of the Part IV group, which consists of 14 maps (T-9284 to T-9297, inclusive), Vicinity of Matagorda Bay, Texas.

Field Report
Shoreline Manuscript
T-9295

For field data covering survey T-9295, refer to Special Report for project Ph-14(46) locality of Cedar Lakes, Texas, to Aransas Pass, Texas, Ross A. Gilmore, Chief of Party, January 1948.

Chart Letter No. 150(1948). Filed in the Nautical Chart Branch, Division of Charts.

MAP T. 9295

PROJECT NO. Ph-14(46)

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-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
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
✓ B.M. 1022 (USE)	C of E and Office Comp. P. 15	N.A. 1927	28	22				1638.6	208.4	
✓ B.M. 1018 (USE)	"	"	28	23				1039.6	594.1	
✓ B.M. 1010 (USE) (MON. 667 + 000)	"	"	28	23				476.0	1371.0	
✓ B.M. 1042 (USE)	"	"	96	31				1311.5	321.9	
B.M. 1010 (USE)	"	"	28	23				1575.5	271.5	
B.M. 1010 (USE)	"	"	96	30				745.2	888.2	
✓ B.M. 1042 (USE)	"	"	28	19	49.479			1523.1	323.9	
B.M. 1027 (USE)	G-2874 P. 71	"	96	38	35.427			965.0	669.4	
1934 r 1947 RAG		"	28	22	31.061			956.2		
✓ B.M. 1041 (USE) 1934 also no 1944 701+000(USE)	"	"	96	33	27.349			744.7		
✓ ESPIRITU SANTO * ECC., 1911	G-2874 P. 60	"	28	20	37.625			1158.2		
	"	"	96	37	05.949			162.0		
✓ ESPIRITU SANTO * ECC., 1911	G-2874 P. 60	"	28	22	56.828			1749.4		
	"	"	96	31	05.560			151.4		
✓ DEMBERRY, 1934 r 1948 RAG	G-2874 P. 72	"	28	23	52.249			1608.4		
	"	"	96	29	14.319			389.8		
* FAR, 1934	G-2874 P. 60	"	28	19	42.157			1297.7		
	"	"	96	29	07.226			196.8		
SUB.PT. DEMBERRY	Field Identification	"	Plotted graphically							
SUB.PT. ESPIRITU SANTO. ECC.	"	"	Plotted graphically							
* Station destroyed, but site was identified.	All RM's recovered 1948 RAG									

1 FT. = 3048 METERS
COMPUTED BY: R.R.Hartley

DATE: 30 August 1949

CHECKED BY: R.Glaser

DATE: 11-15-49

M-2388-12

MAP T. 9295 PROJECT NO. Ph-14(46) SCALE OF MAP 1:20,000 SCALE FACTOR None.

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		FACTOR DISTANCE	
						FORWARD	(BACK)	FROM GRID OR PROJECTION LINE IN METERS	FORWARD (BACK)
R.M. No.1-SLM	Field Identification G-2874 P. 59	N.A. 1927	Plotted graphically						
PRINGE, 1934		"	28 18 06.807 96 33 17.221				209.5 469.2		
LADY, 1934	G-2874 P. 71	"	28 18 07.097 96 30 05.400				218.5 147.1		
LELA, 1934	" "	"	28 15 23.022 96 34 47.024				708.7 1281.8		
SUB.PT. FAR, 1934		"	Plotted graphically						
				<i>Removed from MS.</i>					

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COMPILATION REPORT, T-9295

T-9295 is a revision of planimetric survey T-5364.

FIELD REPORT

Refer to the Special Report, Cedar Lakes, Texas to Aransas Pass, Texas, submitted by Ross A. Gilmore, January 1948.

PHOTOGRAMMETRIC PLOT REPORT

No plot was run for this survey, but the plot for T-9284 helped to control the easternmost portion of this manuscript.

31. DELINEATION

This manuscript was delineated by graphic methods only.

The compilation was done by holding detail common to both the red line print and the photograph reductions. Sufficient control and common detail made this possible without a radial plot. Considerable change was noted, however, in the shoreline of the mainland due to the construction of the Intracoastal Waterway.

Revision of this survey was limited to the photographic coverage. A line showing the limits of the revised area is delineated on the manuscript.

32. CONTROL

Identification, density, and placement of control are adequate.

33. SUPPLEMENTAL DATA

The geographic names standard was furnished on a lithographic copy of T-5364 (1934).

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

Field inspection of the shoreline was inadequate but it has been delineated after very careful stereoscopic examination. In some areas, labeled "tidal flats" by the field party, it was not possible to accurately determine the mean high water line. As these areas are constantly changing they are probably not of too much importance, but the shoreline has been shown with a broken line signifying the approximate mean high water line.

Low water and shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Twelve daybeacons and three lights have been plotted (see radial plot report for T-9284) in the Espiritu Santo Bay Ferry Channel. Positions of these aids are being submitted with this report on Form 567.

No landmarks have been identified within the area of this survey.

Ferry Channel Daybeacon No. 39 was re-located during review. Form 567 was altered. revised accordingly.

38. CONTROL FOR FUTURE SURVEYS *(See heading 49) p.18*

Five USE traverse stations identified by the field party are shown as recoverable topographic stations. Only one of these stations plotted in the same position as the USE bench mark with which it was listed. Forms 524 for these stations originating in this office are being submitted with this report.

(BM 1041 = 701+000)

39. JUNCTIONS

Junctions with T-9284 to the east and with T-9294 to the west have been made and are in agreement. There is no contemporary survey to the north and to the south is the Gulf of Mexico.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Not applicable.

46. COMPARISON WITH EXISTING MAPS

None available.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart No. 1284, scale 1:80,000 edition of 9-29-47, corrected to 10-29-49.

Items to be applied to nautical charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
22 November 1949

Ruth K. Hartley
Cartographic Draftsman

Approved and forwarded
30 November 1949

J. H. [Signature]
Officer in Charge
Baltimore Photogrammetric
Office

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9295

- 1. Projection and grids B
- 2. Title B
- 3. Manuscript numbers B
- 4. Manuscript size B

CONTROL STATIONS

- 5. Horizontal control stations of third-order or higher accuracy B
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) B
- 7. Photo hydro stations _____
- 8. Bench marks _____
- 9. Plotting of sextant fixes _____
- 10. Photogrammetric plot report _____
- 11. Detail points _____

ALONGSHORE AREAS

(Nautical Chart Data)

- 12. Shoreline B
- 13. Low-water line B
- 14. Rocks, shoals, etc. B
- 15. Bridges _____
- 16. Aids to navigation B
- 17. Landmarks _____
- 18. Other alongshore physical features B
- 19. Other along-shore cultural features _____

PHYSICAL FEATURES

- 20. Water features B
- 21. Natural ground cover B
- 22. Planetable contours _____
- 23. Stereoscopic instrument contours _____
- 24. Contours in general _____
- 25. Spot elevations _____
- 26. Other physical features B

CULTURAL FEATURES

- 27. Roads B
- 28. Buildings B
- 29. Railroads _____
- 30. Other cultural features _____

BOUNDARIES

- 31. Boundary lines _____
- 32. Public land lines _____

MISCELLANEOUS

- 33. Geographic names B
- 34. Junctions B
- 35. Legibility of the manuscript B
- 36. Discrepancy overlay _____
- 37. Descriptive Report B
- 38. Field inspection photographs B
- 39. Forms B

40. Raymond Glaser
 Reviewer

Joseph Steinberg
 Supervisor, Review Section of Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE
Originally dated Port Lavaca, Texas, 30 January 1948
Supplemented at Baltimore, Maryland 28 September, 1949

I recommend that the following objects which have ~~been~~ 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 R. Glaser

Thos. B. Reed Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE						
				°	'	°	'					
LT.	TEXAS	Espiritu Santo Bay Ferry Channel South Cut Leading Light	1442	28 21	96 29	855	N.A. 1927	Radial Plot T-9295	1947	x	x	1284, 1285, 890
LT.	TEXAS	Espiritu Santo Bay Ferry Channel North Cut Leading Light	1442-5	28 21	96 29	834	"	"	"	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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Originally dated - Port Lavaca, Texas, 30 January 1948
Supplemented at Baltimore, Maryland, 28 September, 1949

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

I recommend that the following objects which have ~~(none)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(listed sheets)~~ the charts indicated.

The positions given have been checked after listing by R. Glaser

Thos. B. Reed Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE		LONGITUDE				HARBOR CHART	INSHORE CHART	OFFSHORE CHART
				°	'	°	'					
TEXAS	Daybn. 13	Espiritu Santo Bay Ferry Channel		28	23	96	29	34	1947	X	X	1284, 890
"	15	"		28	23	96	29	112	"	X	X	"
"	17	"		23	23	96	29	194	"	X	X	"
"	19	"		28	22	96	29	272	"	X	X	"
"	21	"		28	22	96	29	356	"	X	X	"
"	23	"		28	22	96	29	442	"	X	X	"
"	25	"		28	22	96	29	521	"	X	X	"
"	27	"		28	22	96	29	593	"	X	X	"
"	29	"		28	21	96	29	674	"	X	X	"
"	31	"		28	21	96	29	765	"	X	X	"
"	33	"		28	21	96	29	732	"	X	X	"
"	37	"		28	21	96	29	288	"	X	X	"
"	39	"		28	21	96	29	476.9	"	X	X	"
"		"		28	21	96	29	479	"	X	X	"

No. 35 non-existent. (p. 39 of List 1948)

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.

48. GEOGRAPHIC NAMES

- Contee Lake
- Dewberry Island
- Espiritu Santo Bay
- First Chain of Islands
- Grass Island
- Gulf of Mexico
- * Intracoastal Waterway
- Josephine Motts
- Josephine Reef
- Lake Island
- Long Island
- Long Lake
- Matagorda Island
- Pringle Lake
- Rahal Bayou
- Second Cut
- Shoalwater Bay
- South Pass
- South Pass Lake
- Steamboat Island
- Steamboat Pass
- Vanderveer Island

Ferry Channels

Names were taken from names standard furnished by the Washington Office.

* Name added from nautical chart

Names underlined in red are approved.
11-2-50.
L. Heck

Review Report
Shoreline Survey T-9295
2 November 1950

62. Comparison with Registered Surveys:

T- 766 1:20,000 1859
T-5364 1:20,000 1933-34 (used as base for T-9295)

63. Comparison with Maps of Other Agencies

USE 1:125,000 Port O'Connor (Tactical) 1942
USE 1:125,000 San Antonio Bay (Tactical) 1942

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1284 1:80,000 ed. Jan. 1945 rev. March 1950
1285 1:80,000 ed. Jan. 1945 rev. May 1950

A charted "snag" at 28° 23.7' / 96° 29.9' was not located during field inspection and is therefore not on the map manuscript.

Inspection of shoreline and aids was made only in the areas of the Intracoastal Waterway and at the eastern end of Pringle Lake because of lack of photograph coverage.

The northern shoreline of Vanderveer Island (Pringle Lake area) has receded. This prevents proper junction between the revised and the unrevised portions of T-5364 which was used as a base in compiling T-9295.

66. Accuracy:

Within the areas of the new compilation T-9295 ~~is of charting accuracy,~~ complies with Bureau Accuracy Policy and with National Map Accuracy requirements.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:
S. V. Griffin 1/27/53
Chief, Review Section
Division of Photogrammetry

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

O. S. Reading
Chief, Division of Photogrammetry

Carl O. Heaton
Chief, Division of Coastal Surveys

[Handwritten initials]

[Handwritten initials]

49. NOTES FOR THE HYDROGRAPHER

The following is a list of USE traverse stations for which forms 524 have been furnished by the compilation office:

- TRAV. STA. 717 + 000 (USE)
- TRAV. STA. 707 + 639 (USE)
- TRAV. STA. 680 + 000 (USE)
- TRAV. STA. 675 + 000 (USE)
- TRAV. STA. 667 + 000 (USE)

