

9287

Diag. Cht. No. 1284

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-9287

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality VICINITY OF TRESPALACIOS BAY

194 7

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party

T. B. Reed, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Feb 9 - 1953

9287

DATA RECORD

T - 9287
(revision of T-5354)

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 Feb. 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): 1-9-49

Date reported to Nautical Chart Branch (IV): 11-17-49

Applied to Chart No.

Date:

Date registered (IV): 18 May 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): LAKE, 2, 1906

Lat.: 28° 35' 27.474" (845.8m)

Long.: 96° 11' 21.188" (575.7m)

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

No state grids are drawn on this map manuscript

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): John S. Howell
Wm. M. Reynolds Date: Nov. 1947
Dec. 1947

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 11-21-46 (date of photographs)
Located by field identification, supplemented by office interpretation.

Projection and Grids ruled by (IV): on original manuscript Date: 1934

Projection and Grids checked by (IV): " Date: 1934

Control plotted by (III): " Date: 1934

Control checked by (III): " Date: 1934

Radial Plot or Stereoscopic ~~Control~~ Date:
~~Control~~ by (III): none

Stereoscopic Instrument compilation (III): Planimetry Date:

Contours Date:

Manuscript delineated by (III): J. D. McEvoy Date: 9-1-49

Photogrammetric Office Review by (III): R. Glaser Date: 11-1-49

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

Camera (kind or source) (III): U.S.Coast and Geodetic Survey nine lens camera-focal length $8\frac{1}{4}$ ".

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
18346	11-21-46	1311	1:10,000	0.9' above MLW
47	"	1312	"	"
48	"	1313	"	"
49	"	1313	"	"
50	"	1314	"	"
51	"	1315	"	"
18341	"	1304	"	0.8' above MLW
42	"	1305	"	"
43	"	1306	"	"

From predicted tide tables Tide (III)

Reference Station: Galveston, Galveston Channel
 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 T. Stevens*

Date: 12-1-50

Final Drafting by (IV): *Baltimore Office*

Date:

Drafting verified for reproduction by (IV): *Sylvia Deau*

Date: 27 June 52

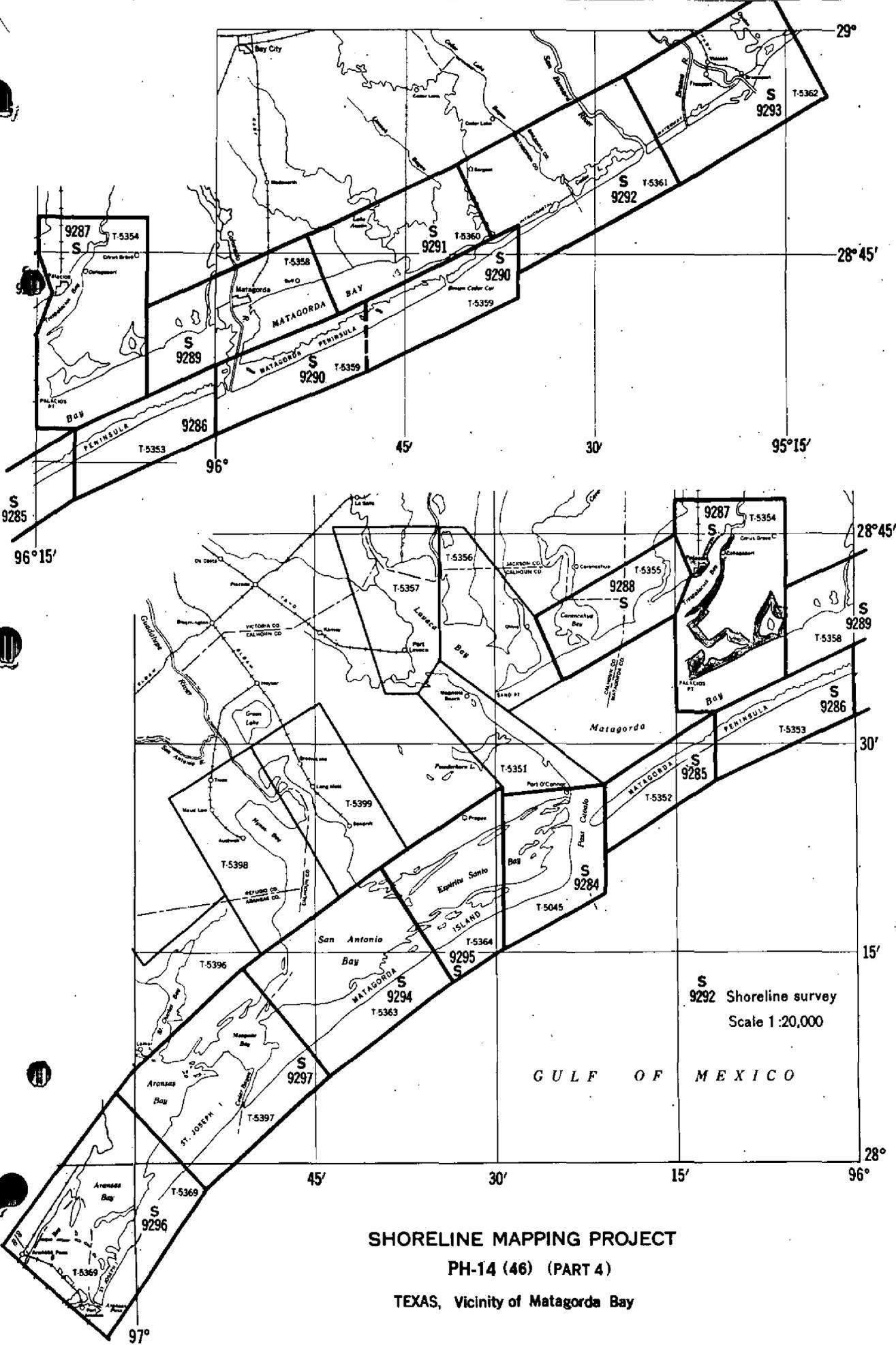
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 36 (revised)
 Shoreline (More than 200 meters to opposite shore) (III): $38\frac{1}{2}$ statute miles
 Shoreline (Less than 200 meters to opposite shore) (III): 22 statute miles
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): 15 Recovered: 13 Identified: 11*
 Number of BMs searched for (II): Recovered: Identified:
 Number of Recoverable Photo Stations established (III): 1
 Number of Temporary Photo Hydro Stations established (III): more

Remarks:

* Two of these triangulation stations are also BMs



SHORELINE MAPPING PROJECT
 PH-14 (46) (PART 4)
 TEXAS, Vicinity of Matagorda Bay

S 9292 Shoreline survey
 Scale 1:20,000

Summary to Accompany T-9287

Shoreline Survey T-9287, scale 1:20,000, (Latitude 28° 35' to 47'; Longitude 95° 06' to 14') 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-9287 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-9287

For field data covering Survey T-9287, refer to Special Report, for Project Ph-14(46) Gulf Intra-coastal Waterway, Cedar Lakes, Texas, to Aransas Pass, Texas, submitted by Ross A. Gilmore, Chief of Party, January 1948.

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

MAP T-9287 PROJECT NO. P-14(46) SCALE OF MAP 1:20,000 SCALING 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		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)	
TRAV. STATION 509+019 (USE)	C of E letter 6-29-49	N. A. 1927	28 37	32.23	<i>X Ch. del. AGASSO (1948) p. 19 (state grid position)</i>			992.2	854.9	
BM. 523+230 (USE) 1934 <i>r. 1947</i>	G-2874 P. 73	"	96 06	41.19				1118.9	510.9	
LAKE 2, 1906 <i>r. 1947</i>	G-2874 P. 61	"	28 36	50.853				1565.5		
B.M. 970 (USE) 1934 <i>r. 1947</i>	G-2874 P. 73	"	96 09	13.603				369.6		
	G-2874 P. 61	"	28 35	27.474				845.8		
	G-2874 P. 73	"	96 11	21.188				575.7		
	G-2874 P. 64	"	28 35	47.292				1455.9		
	G-2874 P. 86	"	96 13	07.326				199.1		
NOTT (USE) 1930-34 <i>r. 1947</i>	G-2874 P. 64	"	28 40	52.012				1601.2		
MALLOY'S HOUSE TOWER 1934 <i>r. 1947</i>	G-2874 P. 86	"	96 11	53.095				1441.5		
	G-2874 P. 86	"	28 43	20.462	<i>AG 1947 describes it as a square observed about 75 ft high</i>			629.9		
COLLEGE 1934 <i>r. 1947</i>	G-2874 P. 64	"	96 11	15.124				410.5		
	G-2874 P. 64	"	28 43	30.803				948.3		
	G-2874 P. 86	"	96 10	40.249				1092.3		
LIGGETTS CONCRETE SILO, 1934 <i>r. 1947</i>	G-2874 P. 86	"	28 43	49.203				1514.7		
	G-2874 P. 64	"	96 10	41.703				1131.7		
RAIL 1934 <i>r. 1947</i>	G-2874 P. 64	"	28 44	33.062				1017.8		
	G-2874 P. 86	"	96 13	05.099				138.4		
PALACIOS, FIRST METHODIST CHURCH SHEPHERD, 1934 <i>r. 1947</i>	G-2874 P. 86	"	28 42	16.719				514.7		
PALACIOS MUNICIPAL TANK 1931 <i>r. 1947</i>	G-1252 P. 155	"	96 12	47.009				1276.0		
	G-1252 P. 140	"	28 42	11.367				349.9		
	G-1252 P. 140	"	96 12	58.629	<i>125'</i>			1591.4		
PALACIOS SO. BASE, 1931 <i>r. 1947</i>	G-1252 P. 140	"	28 42	05.642				173.7		
	G-1252 P. 140	"	96 13	06.779				184.0		

COMPUTED BY: J. D. McEvoy
 CHECKED BY: R. Glaser
 DATE 8-25-49
 DATE 10-28-49
 M. 2388-12

COMPILATION REPORT

SURVEY NO. T-9287

This manuscript is one of a series of surveys in Project No. Ph-14(46) and covers the Intracoastal Waterway in the area of Matagorda Bay and Oyster Lake, also the vicinity of Trespalacios Bay, Texas. T-9287 is a revision of T-5354 (1934).

FIELD INSPECTION REPORT

Refer to Special Report for Project Ph-14(46), locality of Cedar Lakes, Texas, to Aransas Pass, Texas, submitted by Ross A. Gilmore, Chief of Party, January 1948. (Ch. Let. No. 150 (1948))

PHOTOGRAMMETRIC PLOT REPORT

No photogrammetric plot was run for the area of this survey.

31. DELINEATION

The manuscript was delineated by graphic methods only.

The compilation was accomplished by holding to detail common to the original survey, T-5354(1934), and to the photograph reductions and making any necessary changes.

Field inspection of the interior was inadequate; in most cases, there was none at all.

The manuscript has been revised as far as photographic coverage would permit. A purple line has been shown on the manuscript as the limiting line of revision.

32. CONTROL

The field identification of MALLORYS HOUSE TOWER, 1934, does not hold to its plotted position on the manuscript. No description was available for this station, but it is believed to be the cupola (or tower) atop the large house, and not the detached tower.

No other difficulty was encountered as regards identification, placement, and density of the horizontal control.

OLIVER POINT (USE) 1934 and PALACIOS HIGH SCHOOL CUPOLA, 1931, were reported destroyed; also SQUARE HOUSE CHIMNEY, 1934

33. SUPPLEMENTAL DATA

A geographic names standard was furnished on a lithographic copy of T-5354.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is considered adequate.

No data on low water or shoal lines were furnished by the field party and none were delineated on the manuscript.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 for ten nonfloating aids and two landmarks were forwarded to the Washington Office in January 1948. Revised and completed forms 567 to supersede these original forms are being submitted with this report.
[Ch. Let. No. 150 (1948) p. 23]

No floating aids are delineated on the manuscript. The Matagorda Bay buoys Nos. 3 to 19 incl. were removed at the time of the field work due to active dredge operations. (See descriptive report accompanying Topographic Sheet, Field Letter B.)

38. CONTROL FOR FUTURE SURVEYS

Seven recoverable topographic stations shown on the original survey have been left on the manuscript. No information was furnished for these stations.

Form 524 is being submitted for one newly established recoverable topographic station and one which is believed to have been moved. *(see p. 13)*

39. JUNCTIONS

Junctions to the west with Survey No. T-9288, and to the east with Survey No. T-9289 have been made and are in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

None available.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart No. 1284, scale 1:80,000, published 9-29-47 and corrected to 10-24-49.

Items to be applied to nautical charts immediately:

None

Items to be carried forward

None.

Respectfully submitted

Joseph D. McEvoy
Engineering Draftsman

Approved and forwarded
November 1949

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

T - 9787

49. NOTES FOR THE HYDROGRAPHER

The following is a tabulation of all recoverable topographic stations on the manuscript:

Newly established station; form 524 furnished by the field party:

AZ. MK. PALACIOS S. BASE, 1947

Previously established station ~~believed to have~~^{has} been moved; form 524 furnished by the compilation office: *(see form 524 filed under T-5324).*

DOME (1949) *(Pleasure Pier at Palacios)*

Previously established stations believed to be destroyed; no data available:

~~FINIAL OF SILO~~ *(Its position makes it seem likely that it is a part of the barn's structure)*
~~CHIMNEY OF HOUSE~~ *L.T.S.*

Previously established stations believed to still exist; no data available: *(Along Trespacios River. Forms 524 filed under T-5324)*

- CHIMNEY
- TOWER
- WORTH (PEAK OF ROOF)
- CENTER OF BARN
- SOUTHWEST GABLE LARGE HOUSE

The ~~existence of, and the~~ accuracy of the location of two wrecks along the south shore of Palacios should be checked. *(From Ch. Let. No. 157 (1948) p. 42)*

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9287

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. Tide data B 14. Rocks, shoals, etc. _____ 15. Bridges B 16. Aids to navigation B 17. Landmarks _____ 18. Other alongshore physical features B 19. Other along-shore cultural features B

PHYSICAL FEATURES

20. Water features B 21. Natural ground cover B 22. Elongatable 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 B 30. Other cultural features B

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 DELETED~~

STRIKE OUT ONE

Orig. Port Lavaca, Texas 30 January 1948
Revised - Baltimore, Maryland 1 November 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

R. Glaser

Thos. B. Reed

Comdr., U.S.C.G.S.

Chief of Party

TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED	
			LATITUDE		LONGITUDE							
			°	'	°	'						D. P. METERS
Light	Palacios Point	Appl. to Ch. 889 N. D. Heidershain	28	34	96	13	1398	N.A. 1927	T-9287 Photo	1947	X X	1284
Daybn. 25	Oyster Lake West Cut	"	28	35	96	13	1583	"	Comp.	"	X X	889
Daybn. 23	Oyster Lake	"	28	35	96	12	1380	"	"	"	X X	"
Daybn. 17	Oyster Lake	"	28	36	96	12	216	"	"	"	X X	"
Daybn. 15	Oyster Lake	"	28	36	96	11	713	"	"	"	X X	"
Light A	Matagorda Bay Leading	"	28	36	96	10	250	"	"	"	X X	"
Light I	Matagorda Bay	Appl. to 888	28	36	96	10	1111	"	"	"	X X	"
Light 5	Oyster Lake	Not a	28	35	96	10	1222	"	"	"	X X	"
Daybn. 4	Oyster Lake Day Beacon	Appl. to 887	28	36	96	09	1028	"	"	"	X X	"
Daybn.	Matagorda Bay (Range A Rear Lt.)	Not Appl. to 889	28	37	96	09	151	"	"	"	X X	"
		Appl. to 888										

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

- ✓ Bayview Hunting Club
- Cash Creek
- Collegeport
- ✓ Coon Island
- ✓ Coon Island Bay
- ✓ Grassy Point
- ✓ Halfmoon Reef
- ✓ Hotel Point
- Intracoastal Waterway
- ✓ Mad Island Lake
- ✓ Mad Island Reef
- Mad Island Slough
- ✓ Matagorda Bay
- ✓ Old Canal
- ✓ Oliver Point
- ✓ Oyster Lake
- ✓ Palacios
- Palacios Point
- ✓ Pilkington Bayou
- ✓ Rattlesnake Point
- Redfish Bayou
- ✓ Redfish Lake
- ✓ Trespalacios Bay
- ✓ Trespalacios River
- Turtle Bayou

Geographic names were taken from names standard furnished by the
Washington Office

Names approved

12-1-50

A. J. W.

Review Report T-9287
Shoreline Survey
1 December 1950

62. Comparison with Registered Surveys.-

T-600	1/20	1857	
T-737	"	1856	
T-5354	"	1934	(used as base for this compilation)

63. Comparison with Maps of Other Agencies.-

USE Blessing (tactical) 1:125,000, 1912, Rev. 1929, Rep. 1940.

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

1284 1:80,000 ed. Jan. 1945, Rev. March 1950

A. Charted objects not on the manuscript:

1. Obstruction near piers at Palacios (probably removed during construction of a new boat basin.
2. Ruins of pier at the southeastern point at Palacios. A new pier has been built east of these "ruins".

B. Mapped on T-9287 but not charted:

1. Pile between Pleasure Pier and the new pier mentioned in "2", above.

66. ~~The shoreline and the detail added inland are of charting accuracy.~~ *This map manuscript complies with Bureau Policy and the National Map Accuracy Requirements.*
Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED

S. V. Giffith 1/22/53
Chief, Review Section
Div. of Photogrammetry

A. B. [Signature]
Chief, Nautical Chart Branch
Division of Charts *CFJ*

O. S. Reading
Chief, Div. of Photogrammetry

Carl O. Heaton
Chief, Div. of Coastal Surveys *CH 7*

