

# 9289

Diag. Cht. No. 1284

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-9289

### LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality MAD. ISLAND REEF TO OLD GULF

1947

### CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party.

T. B. Reed, Baltimore Photogrammetric Office

### LIBRARY & ARCHIVES

DATE Feb - 9 - 1953

9289

# DATA RECORD

T - 9289  
(revision of T-5358)

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): 11-1-49

Date reported to Nautical Chart Branch (IV): 12-27-49

Applied to Chart No.

Date:

Date registered (IV): 24 Dec. 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): DEVIL, 1934

Lat.: 28° 39' 25.207" (776.0m)

Long.: 96° 01' 12.005" (326.0m)

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

*No plane coordinates are drawn on this map manuscript.*  
LTS

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: Nov. 1947

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.  
Located on field photographs.

Projection and Grids ruled by (IV): On original manuscript T-5358

Date: 1934

Projection and Grids checked by (IV): On original manuscript T-5358

Date: 1934

Control plotted by (III): Ruth R. Hartley

Date: 8-18-49

Control checked by (III): Frank J. Tarcza

Date: 8-18-49

Radial Plot ~~on Stereoscopic~~

Date:

Control extension by (III): L. A. Senasack

7-27-49

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): Ruth R. Hartley

Date: 8-23-49

Photogrammetric Office Review by (III): R. Glaser

Date: 10-20-49

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

Date:



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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
18337-18340 incl.	11/21/46	1250		1:10,000	0.8' above MLW
18351-18359 "	11/21/46	1319		1:10,000	1.0' above MLW

+ 1:20,000 reductions for delineation purposes

From Predicted Tables

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 T. Stevens*

Date: 27 Dec. 1950

Final Drafting by (IV): *Baltimore Office*

Date:

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

Date: 30 June 1952

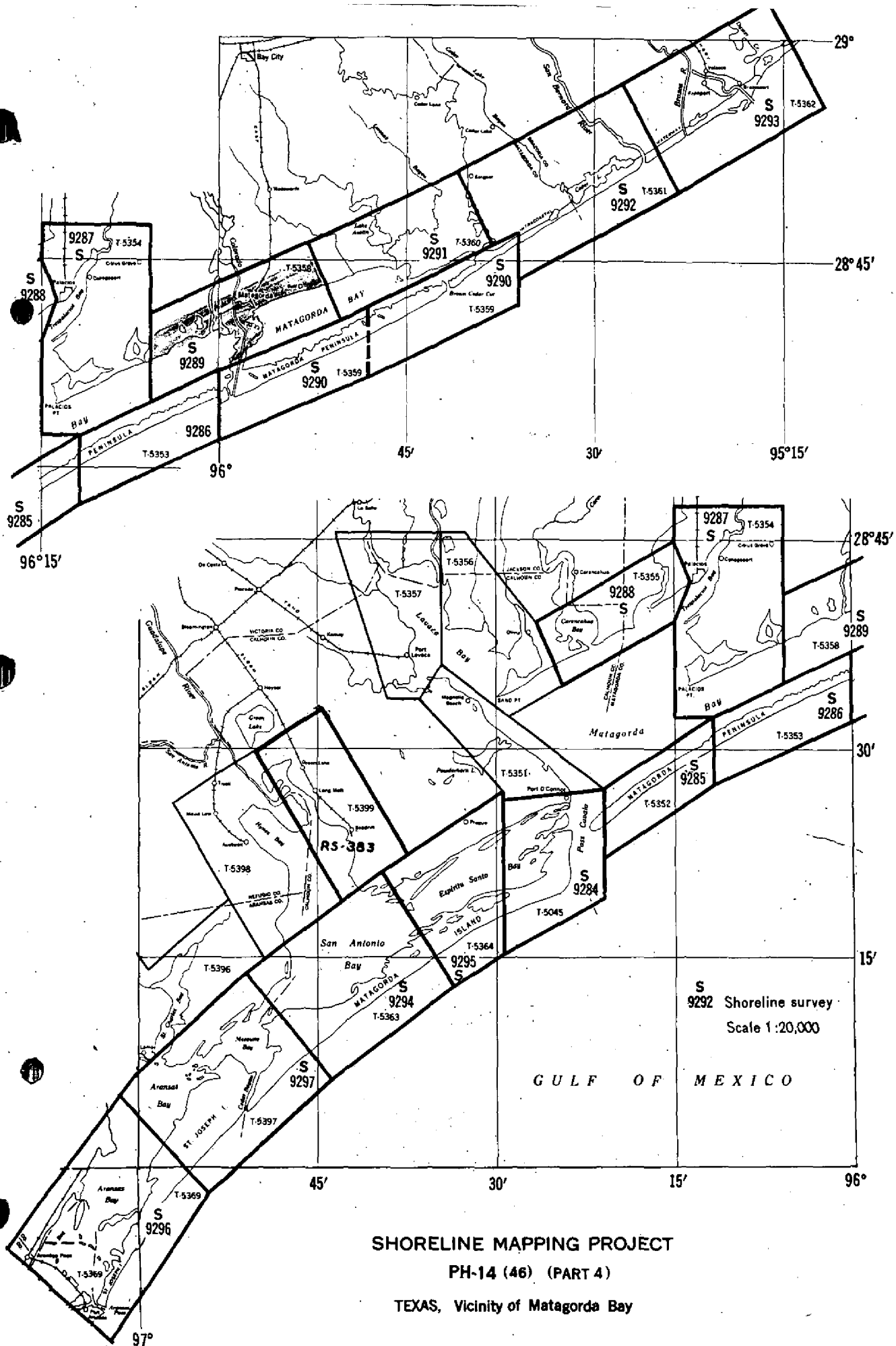
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 45 (revised)  
Shoreline (More than 200 meters to opposite shore) (III): 26 statute miles  
Shoreline (Less than 200 meters to opposite shore) (III): 40 statute miles  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 15  
Number of BMs searched for (II):  
Number of Recoverable Photo Stations established (III): 3  
Number of Temporary Photo Hydro Stations established (III): none

Recovered: 11 Identified: 10  
Recovered: Identified:

Remarks:



### Summary to Accompany T-9289

Shoreline survey T-9289, scale 1:20,000, (latitude 28° 37' to 46'; Longitude 95° 53' to 96° 06') 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-9289 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-9289

For field data covering survey T-9289, 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. 9289.

PROJECT NO. PH-14(46)

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	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)
DOG ISLAND REEF BN. NO. 5, 1934 <i>r. 1947</i>	G-2874 P. 87	N.A. 1927	28 37 41.984 95 59 55.293			1292.5	(554.6)		
DOG ISLAND REEF BN. NO. 3, 1934 <i>r. 1947</i>	G-2874 P. 87	"	28 37 54.394 95 59 44.216			1501.9	(127.9)		
MATAGORDA CO. RECLAMATION STA. D. 1934 <i>r. 1947</i>	G-2874 P. 87	"	28 39 35.142 95 58 04.140	<i>Matagorda County</i>		1674.5	(172.6)		
DEVIL, 1934 <i>r. 1947</i>	G-2874 Pg. 65	"	28 39 25.207 96 01 12.005			1201.0	(428.7)		
TRAVERSE STA. 491+ 261(USE)(MON. 928.1) <i>r. 1947</i>	Letter from C of E	"	28 38 53.814 96 03 46.507	<i>x-y's, p. 4 Ch. 1. 150(1947)</i>		1081.8	(765.3)		
TRAVERSE STA. 490+ 931(USE)(MON. 928)	"	"	28 38 55.588 96 03 43.391	"		112.4	(1516.9)		
TRAVERSE STA. 436+ 800.92(USE)(MON. NO. 2) <i>r. 1947</i>	"	"	28 42 16.746 95 55 37.458	"		776.0			
TEXAS GULF SULPHUR CO. EAST STACK, 1934	G-2874 P. 89	"	28 44 10.014 95 53 17.885	"		326.0			
PIPING(S.E. of GULF), 1934 <i>r. 1947</i>	G-2874 Pg. 89	"	28 42 19.313 95 52 40.529	<i>205 ft high (not 90 ft) Simply Piling, 1934" 14 G.B. 1/1st</i>		1656.7	(190.4)		
GULF MUNICIPAL WATER TANK, 1931 <i>r. 1947</i>	G-1252 P. 155	"	28 43 36.745 95 53 29.554			1263.0	(366.5)		
MATAGORDA LONGITUDINE STA. 1911 <i>r. 1947</i>	G-1252 P. 140	"	28 41 35.430 95 58 07.289			1711.3	(135.8)		
SUB. PT. DEVIL			Plotted graphically	<i>Removed during review</i>		1178.4	(451.1)		

1 FT. = 3048006 METER

COMPUTED BY: Ruth R. Hartley

DATE 7/14/49

CHECKED BY: R. Glaser

DATE 10/20/49

M. 2388-12





COMPILATION REPORT, T-9289

T-9289 is a revision of red line print Survey T-5358 (1934).

FIELD REPORT:

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

PHOTOGRAMMETRIC PLOT REPORT

Refer to the descriptive report for T-9290.

31. DELINEATION

This manuscript was delineated by graphic methods only.

The compilation was accomplished by holding the detail common to the red line print of T-5358 and to the photograph reductions and making any necessary changes. In the area of the Colorado River south of the Intracoastal Waterway where common detail no longer existed, a partial radial plot was run.

There was very little field inspection and limits of marsh areas were difficult to delineate.

The manuscript has been revised only as far as photographic coverage would permit. A dashed purple line has been shown on the manuscript as this limiting line.

Delineation on the photographs would have been considerably facilitated if the reduced nine-lens prints had not been so heavily exposed.

32. CONTROL

Identification, density, and placement of control was adequate.

33. SUPPLEMENTAL DATA

A geographic names standard was furnished on a lithographic copy of T-5358 (1934).

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is considered adequate, although some portions of the shoreline required careful office interpretation.

One small section of approximate low water line was identified by the field party, and another small portion was delineated by analogy. No shoal lines were indicated by the field inspection and none were delineated on the map.



36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 for three of the four landmarks in the area of this map were forwarded to the Washington Office in January 1948. The positions of the four landmarks and the position of a buoy are being submitted on forms 567 with this report. The field party indicates that this buoy is frequently repositioned after being hit by tugs or barges.

38. CONTROL FOR FUTURE SURVEYS

Three recoverable topographic stations shown on the original survey have been left on the manuscript. Of these, no information was furnished for two.

Forms 524 are being submitted for one topographic station on the original manuscript and for two new stations.

39. JUNCTIONS

Junctions to the west with T-9287, to the East with T-9291, and to the south with T-9290, 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, edition of September 1947 corrected to September 1948.

Items to be Applied to Nautical Charts Immediately:

None.

Items to be carried forward

None.

Respectfully submitted  
24 August 1949

Ruth R. Hartley  
Cartographic Draftsman

Approved and forwarded  
28 October 1949

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

49. NOTES FOR THE HYDROGRAPHER

The following recoverable topographic stations are on this map manuscript:

- 1 AZIMUTH MARK MATAGORDA LONGITUDE STATION, 1947
- 1 FLAG TOWER, 1947
- WEST STACK TEXAS GULF SULPHUR CO., 1947

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9289

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 B 8. Bench marks B  
9. Plotting of sextant fixes B 10. Photogrammetric plot report B 11. Detail points B

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline B 13. Low-water line B 14. Rocks, shoals, etc. B 15. Bridges B 16. Aids to navigation B 17. Landmarks B 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. Planetable contours B 23. Stereoscopic instrument contours B 24. Contours in general B 25. Spot elevations B 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 B 32. Public land lines B

## MISCELLANEOUS

33. Geographic names B 34. Junctions B 35. Legibility of the manuscript B 36. Discrepancy B  
overlay B 37. Descriptive Report B 38. Field inspection photographs B 39. Forms B  
40. Raymond Blaser Joseph Steinberg  
Reviewer 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:



**NON-FLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Maryland

24 August 1949.

I recommend that the following objects which have charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by \_\_\_\_\_  
I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be  
ted on ~~(deleted from)~~ the charts indicated.

[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.





48. GEOGRAPHIC NAMES

- ✓ Baxter Island
- ✓ Big Hill
- ✓ Battle Island
- ✓ Carmichael Slip \*
- ✓ Colorado River
- ✓ Crab Lake
- ✓ Culver Cut
- ✓ Devils Elbow
- ✓ Dog Island Reef
- ✓ East Cutoff
- ✓ East Floodgate
- ✓ East Matagorda Bay
- ✓ Egret Island
- ~~Field I. \*~~
- ✓ Gottschalk Lake
- ~~Gulf Star \*~~
- ✓ Intracoastal Waterway
- ✓ Little Boggy Creek
- ✓ Matagorda
- ✓ Matagorda Bay
- ✓ Matagorda Cemetery
- ~~Matagorda Slip \*~~
- ✓ McNabb Island
- ✓ McNabb Lake
- ✓ Middle Branch
- ✓ Middle Channel
- ✓ Mad Island Reef
- ✓ Old Gulf
- ✓ St. Marys Bayou
- ✓ Santa Fe System
- ✓ Shell Island Reef
- ✓ State Highway No. 60
- ~~Tiger Island Channel \*~~
- ✓ West Branch
- ✓ West Cutoff
- ✓ West Floodgate
- ✓ Wild Cow Island

\*Not shown on manuscript-position unknown

Names approved

12-27-50

a. j. w.

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

Review Report T-9289  
Shoreline Survey  
27 December 1950

62. Comparison with Registered Surveys.-

T-600	1:20,000	1857
T-642	1:20,000	1855-6-7
T-5358	1:20,000	1934 (used as base for this map manuscript)

T-9289 supersedes these maps for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

U.S.E. Blessing (tactical), 1:175,000 ed. 1912  
Rev. 1929, Rep. 1940  
U.S.E. Matagorda 1:125,000, Ed. 1915 Rep. 1943  
*Not comparable as to scale or data.*

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 T-9289

1. Pipes and piles, Raymond Landing Shoal and East Matagorda Bay.
2. Submerged iron rails at 28° 37' / 96° 00'

B. Changes made during review.

1. Fast land shoreline changed to indefinite shoreline along southern side of waterway.
2. Water Channels beside highway along Colorado River.
3. Railroad spur lengthened beside the Colorado River at Matagorda.
4. The name Battle Island was added.

66. Control.-

Stations

1. Dog Island Reef Bn. No. 3, 1934 (Intersection Station n.d.)
2. Dog Island Reef Bn. No. 5, 1934 (Intersection Station n.d.)

Station 1 above is the same as "Matagorda Middle Channel Light No. 1 on T-5358 and as Bn. "1" (Lighted) on H-5865 (1934-5).

Station 2 above does not appear on either T-5358 or H-5865. The radially plotted position of Bn. No. 5 on T-9289 corresponds

to the position of Matagorda Middle Channel Light No. 3 on T-5358 and Bn. "3" (Lighted) on H-5865.

The "Lights" on T-5358 were discontinued June 30, 1938 and were designated Beacons 1 & 3 until April 1941, when they were discontinued and no longer maintained.

Because triangulation station Dog Island Reef Bn. No. 3, 1934 was recovered in 1947, and because Dog Island Reef Bn. No. 5, 1934 is not proven lost or destroyed, the two stations are retained on map manuscript T-9289.

The structure for Matagorda Middle Channel Light No. 3 in the position shown on T-5358 is plainly visible on the 1946 photographs, therefore, it seems likely that field inspection misnamed it No. 5. The radially-cut point is retained on T-9289 and is labeled "Abandoned Aid (Matagorda Middle Channel, No. 3)".

67. Accuracy. The Revised areas of this map are adequate for charting purposes *and comply with Bureau Policy and the National Map Accuracy Requirements for horizontal accuracy.*  
Reviewed by:

Lena T. Stevens  
Lena T. Stevens

APPROVED:

L. V. Gifford 1/28/53  
Chief, Review Section  
Div. of Photogrammetry

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

O. S. Reading  
Chief, Div. of Photogrammetry

Carl O. Heston  
Chief, Div. of Coastal Surveys

*hus*



## NAUTICAL CHARTS BRANCH

SURVEY NO. 9289

### 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.