9286

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-9286

54-751

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality MATAGORDA PENINSULA, CENTRAL SECTION

194 7

CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party.
T.B.Reed, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Feb - 20 - 1953

8-1870-1 (1)

9286

DATA RECORD

T- 9286

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): Ph-14(46) Field, undated
Supplement No. 1 22 July 1947;
Letters dated 5 June 1947 and 29 July 1947
4 February 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):

Date received in Washington Office (IV): 11-9-49 Date reported to Nautical Chart Branch (IV): 11-17-'49

Applied to Chart No. Date: Date registered (IV):

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): SLED, 1934

Lat.: 28° 33' 34.249" 1054.4m Long.: 96° 04' 26.328" 715.6m Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Zone:

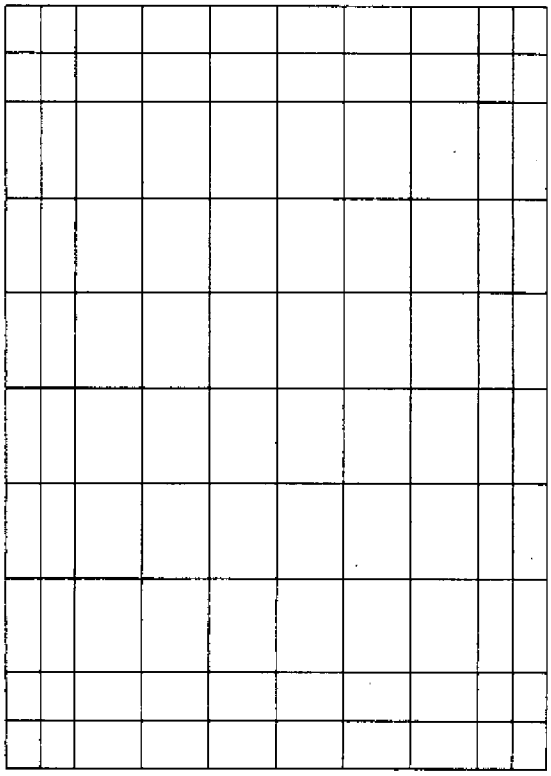
Y= X=

No state coordinates are on T-9286

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.

M-2618-12(4)



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

shoreline

DATA RECORD

Field Inspection by (II): W. M. Reynolds — Date: 4 December 1947

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): 21 November 1946; December 1947. Refer to paragraph 35 of the report.

Projection and Grids ruled by (IV): — Date:

Projection and Grids checked by (IV): — Date:

Control plotted by (III): Sub. Pts. plotted graphically by L. A. Senasack — Date: 11 July 1948

Control checked by (III): Sub. pts. checked: M. F. Kirk — Date: 11 July 1949

Radial Plot or ~~Stereoscopic Control extension~~ by (III): L. A. Senasack — Date: 28 July 1949

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): Mary L. Bloom — Date: 2 Sept. 1949

Photogrammetric Office Review by (III): J. W. Vonasek — Date: 27 October 1949

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

Camera (kind or source) (III): U. S. Coast and Geodetic Survey nine-lens focal length 8¼".

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18327 to 18334 incl.	11/21/46	1236	1:10,000	0.7' above MLW

Reductions of the above photographs at the scale of 1:20,000 were also available.

From predicted tide tables Tide (III)

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

Reference Station: Galveston, Galveston Channel
Subordinate Station: Pass Cavallo
Subordinate Station:

Washington Office Review by (IV): Lina T. Stevens Date: 8 Nov. 1950

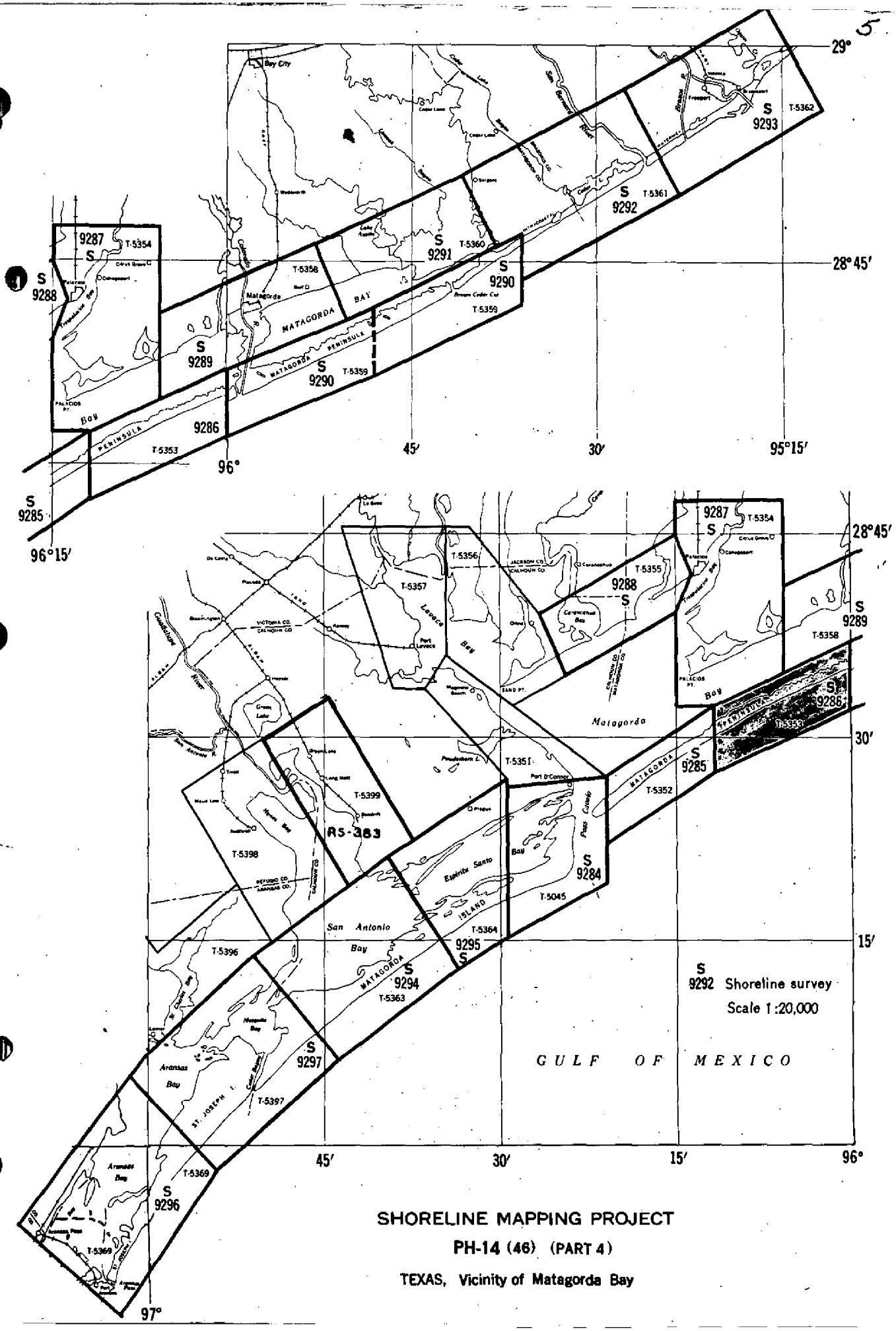
Final Drafting by (IV): Catherine E. Manly Date: 3/23/51 to 4/25/51

Drafting verified for reproduction by (IV): Lylora Dean Date: 26 June 1952

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 10
Shoreline (More than 200 meters to opposite shore) (III): 32
Shoreline (Less than 200 meters to opposite shore) (III): 44
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 6 Recovered: 3 Identified: 3
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:



SHORELINE MAPPING PROJECT

PH-14 (46) (PART 4)

TEXAS, Vicinity of Matagorda Bay

Summary to Accompany T-9286

Shoreline survey T-9286, scale 1:20,000, (Latitude 28° 30' to 36'; Longitude 96° 00' to 12'), 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-9286 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-9286

For field data covering survey T-9286, refer to the Special Report for Project Ph-14(46) Gulf Intracoastal 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- 9286 PROJECT NO. Ph-14(46) SCALE OF MAP 1:20,000 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	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)
POE, 1934 r. 1947	G-2874 P.73	N.A. 1927	28 30 55.836			1718.9	
			96 10 20.522			558.0	
SUB. PT. POE		"	Plotted graphically Removed from ms				
SLED, 1934 r. 1947	G-2874 Pg. 65	"	28 33 34.249			1054.4	
			96 04 26.328			715.6	
SUB. PT. SLED		"	Plotted graphically Removed from ms.				
SULA, 1934 r. 1947	G-2874 P. 61	"	~~28 32 38.037~~ 96 08 36.846			1170.9 1001.7	
SUB. PT. SULA		"	Plotted graphically Removed from ms.				

1 FT. = .3048006 METER

COMPUTED BY: Mary R. Bloom DATE 9/2/49 CHECKED BY: H.R. Rudolph DATE 11/2/49

M-2388-12

COMPILATION REPORT T-9286

FIELD INSPECTION REPORT

Refer to Special Report, Project Ph-14(46), Gulf Intracoastal Waterway, Cedar Lakes, Texas, to Aransas Pass, Texas, submitted by Ross A. Gilmore, dated January 1948.

PHOTOGRAMMETRIC PLOT REPORT

Refer to report submitted as part of the descriptive report for Survey No. T-9290.

31. DELINEATION

This manuscript is a lithographic print of previous Survey No. T-5353 (1934) of this bureau, revised by graphic methods. Only very small parts of the original shoreline and other detail remain unchanged. The changes were made by holding points established by the radial plot.

32. CONTROL

Refer to photogrammetric plot report regarding density and placement of control.

33. SUPPLEMENTAL DATA

Planetable sheet B (with accompanying descriptive report) was used for the location of the aids to navigation.

Lithographic copy of Survey No. T-5353 with the geographic names corrected as of 18 July 1949 was furnished as the geographic names standard.

34. CONTOURS AND DRAINAGE

Contours - Inapplicable

Drainage - No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL of the Gulf of Mexico in the vicinity of Phillips Mott was furnished by a reference distance measurement on field photograph 18330. In the vicinity of Gold Bayou, Hooper Bayou and Zipprian Bayou, the MHWL of the Gulf of Mexico was sketched on the field photographs. With these exceptions the MHWL was delineated after stereoscopic examination of the photographs.

The shoreline inspection along the south side of the Matagorda Peninsula was adequate. Along the north side, the inspection was inadequate. The

35. SHORELINE AND ALONGSHORE DETAILS
(continued)

apparent shoreline, the limits of marsh area and high ground were delineated after stereoscopic examination of the photographs. The outlines of the shallow areas were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

The vertical projector was used to transfer the positions of the aids to navigation from planetable sheet "B". Refer to the descriptive report which accompanies this planetable sheet concerning the methods used in their location.

Refer to field report for Form 567 for nonfloating aids to navigation. Form 567 for floating aids is submitted with this report. There are no landmarks in the area. Ch. Let. No. 150 (1948)

Palacios Channel Dump Daybeacons 1, 3, 4.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with Surveys Nos. T-9287 to the north, T-9290 to the northeast, and T-9285 to the southwest, and are in agreement. There are no contemporary surveys to the east or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with the Corps of Engineers, Blessing quadrangle, scale 1:125,000, dated 1912, reprinted 1940.

Comparison has also been made with previous Survey No. T-5353 (1934) of this bureau.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart No. 1284 published 29 September 1947 corrected to 12 September 1949.

Refer to page 17 of the field report concerning passes and openings through Matagorda Peninsula.

Items to be applied to nautical charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
2 November 1949.

M L Bloom
Cartographic Draftsman

Approved and forwarded
November 1949

Officer in Charge
Baltimore Photogrammetric
Office

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9286

1. Projection and grids _____ 2. Title JWV 3. Manuscript numbers JWV 4. Manuscript size JWV

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads JWV 28. Buildings JWV 29. Railroads JWV 30. Other cultural features JWV

BOUNDARIES

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

MISCELLANEOUS

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

40. Joseph W Vondrick (Reviewer) Joseph Stelnberg (Supervisor, Review Section or 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:

REMARKS

1. The projection was printed on this manuscript as it appears on the published air photo compilation No. T-5353. There are no state grids on this manuscript.

5. The triangulation stations were printed on the manuscript. The substitute points were plotted graphically.

8, 13, 15, 17, 19, 27, 29, 30. None of these features exist in the area.

~~9. Sextant fixes locating floating aids on planetable sheet "B" were not available to the compilation office.~~

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

Baltimore, Maryland 27 October, 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 Joseph W. Vonasek

Thos. B. Reed *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
20	Matagorda Bay Buoy	Not on Chart 888	28 34	199	96 12	00	N.A. 1927	Sextant Fix	1947		x	x	1284 888,889
22	" " "	"	28 33	1569	96 12	254	"	Plane-table Sheet B	"		x	x	"
23	" " "	"	28 33	1287	96 12	419	"	"	"		x	x	"
24	" " "	"	28 33	1302	96 12	500	"	"	"		x	x	"
26	" " "	"	28 33	964	96 12	738	"	"	"		x	x	"
27	" " "	"	28 33	522	96 12	920	"	"	"		x	x	"
28	" " "	"	28 33	579	96 12	975	"	"	"		x	x	"
29	" " "	"	28 33	188	96 12	1144	"	"	"		x	x	"
30	" " "	"	28 33	250	96 12	1238	"	"	"		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.

Review Report T-9286
Shoreline Survey
8 November 1950

62. Comparison with Registered Topographic Surveys

T-5353 1:20,000 1934 (used as base for T-9286)
T-6659b 1:20,000 1938

63. Comparison with Maps of Other Agencies

USE Blessing (Tactical) 1:125,000 1929
Not comparable as to scale or date.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

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

The numbering system for buoys along Matagorda Bay Range A-B on T-9286 is not ~~listed~~ numbered as on the chart.

Changes during review:

A portion of Matagorda Bay Range A extends into T-9286 from T-9285. The line has been shifted 4.5 mm westward, thus bringing the range angle in agreement with that entered in the Light Lists ($123\frac{1}{2}°$ / $33\frac{1}{2}°$). All lights along this range course fall on their appropriate sides of the channel but closest to the even numbered lights than the odd numbers.

66. Accuracy

T-9286 is adequate for charting purposes and complies with Bureau Policy and the National Map Accuracy requirements for horizontal accuracy.

Review by:

Lena T. Stevens
Lena T. Stevens

Approved by:

S. V. Griffin 1/28/53
Chief, Review Section
Division of Photogrammetry

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

O. S. Reading
Chief, Division of Photogrammetry

Earl O. Heaton
Chief, Division of Coastal Surveys

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

Baltimore, Maryland 27 October, 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 Joseph W. Vonasek

Thos. B. Reed *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
20	Matagorda Bay Buoy		28 34	199	96 12	00	N.A. 1927	Sextant Fix	1947		x	x	1284 888,889
22	" " "		28 33	1569	96 12	254	"	Plane-table Sheet B	"		x	x	"
23	" " "		28 33	1287	96 12	419	"	"	"		x	x	"
24	" " "		28 33	1302	96 12	500	"	"	"		x	x	"
26	" " "		28 33	964	96 12	738	"	"	"		x	x	"
27	" " "		28 33	522	96 12	920	"	"	"		x	x	"
28	" " "		28 33	579	96 12	975	"	"	"		x	x	"
29	" " "		28 33	188	96 12	1144	"	"	"		x	x	"
30	" " "		28 33	250	96 12	1238	"	"	"		x	x	"

These buoys have been discontinued. See L251 (51) N.D. Henderson

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.

NOTE TO REVIEWER

T - 9286

PHILLIPS HOUSE (unpainted) CHIMNEY, 1934, was listed as destroyed by the field party. However, they identified a "shack" which agreed closely with the position of the station. This was used in the radial plot as "office identified" but the station is not shown on the manuscript.

There are some small areas on the north side of the Matagorda peninsula which appear to be grass in water or marine vegetation on bottom. Lacking field identification and considering the depth of the water in the vicinity, it was decided to show these areas as grass in water.

NAUTICAL CHARTS BRANCH

SURVEY NO. 9286

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8-7-51	888	H. Keeler	[redacted] After Verification and Review
7-51	889	N. D. Henderson	~~Before~~ After Verification and Review
8-14-53	1284	Henderson	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
			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.

Applied to 888
7-51 -Keeler

Applied to 889
7-51 Henderson