<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>SHORELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-14(46)</td>
</tr>
<tr>
<td></td>
<td>Office No. T-9286</td>
</tr>
</tbody>
</table>

**LOCALITY**

- **State**: TEXAS
- **General locality**: GULF INTRACOASTAL WATERWAY
- **Locality**: MATAGORDA PENINSULA, CENTRAL SECTION

**1947**

**CHIEF OF PARTY**

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

**LIBRARY & ARCHIVES**

**DATE**: Feb 20, 1953
DATA RECORD

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

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): 11-12-49

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

Publication Scale (IV):

Geographic Datum (III): N. A. 1927  Publication date (IV):

Vertical Datum (III): M.H.W.

Mean sea level except as follows:
Elevations shown as (m) refer to mean high water
Elevations shown as (g) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): SLED, 1934

Lat.: 28° 33' 34.249"  1054.4y  Long.: 96° 04' 26.323"  715.6y

Adjusted  Unadjusted

Plane Coordinates (IV):

Y=

X=

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)
(H) (I) (II)

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 of Stereoscopy

Occultation by (III): L. A. Senasack Date: 28 July 1949

Planimetry

Stereoscopic Instrument compilation (III): 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:
**Photographs (III)**

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>18327</td>
<td>11/21/46</td>
<td>1236</td>
<td>1:10,000</td>
<td>0.7' above MLW</td>
</tr>
<tr>
<td>1833½</td>
<td>incl.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**From predicted tide tables**

<table>
<thead>
<tr>
<th>Tide (III)</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0</td>
<td>1.0</td>
<td>1.4</td>
</tr>
</tbody>
</table>

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

**Washington Office Review by (IV):**

| Date: 8 Nov 1950 |
| Date: 3/25/51 75 4/25/51 |
| Date: 20 June 1952 |

**Final Drafting by (IV):**

| Date: 8 Nov 1950 |
| Date: 3/25/51 75 4/25/51 |
| Date: 20 June 1952 |

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

| Date: 8 Nov 1950 |
| Date: 3/25/51 75 4/25/51 |
| Date: 20 June 1952 |

**Proof Edit by (IV):**

| Date: 8 Nov 1950 |
| Date: 3/25/51 75 4/25/51 |
| Date: 20 June 1952 |

**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
- Number of BMs searched for (II):
- Number of Recoverable Photo Stations established (III): None
- Number of Temporary Photo Hydro Stations established (III): None

**Remarks:**
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


Chart Letter No. 150 (1948). Filed in Nautical Chart Branch, Division of Charts.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>N.A. 1927</td>
<td>28 30 55.836</td>
<td>1718.9</td>
<td></td>
</tr>
<tr>
<td>POE, 1934</td>
<td>G-2874 Pg. 73</td>
<td></td>
<td>96 10 20.522</td>
<td>558.0</td>
<td></td>
</tr>
<tr>
<td>SUB. PT. POE</td>
<td></td>
<td></td>
<td>Plotted graphically</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLED, 1934</td>
<td>G-2874 Pg. 65</td>
<td></td>
<td>28 33 34.249</td>
<td>1054.4</td>
<td></td>
</tr>
<tr>
<td>SUB. PT. SLED</td>
<td></td>
<td></td>
<td>96 04 26.328</td>
<td>715.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Plotted graphically</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SULA, 1934</td>
<td>G-2874 Pg. 61</td>
<td></td>
<td>28 32 38.037</td>
<td>1170.9</td>
<td></td>
</tr>
<tr>
<td>SUB. PT. SULA</td>
<td></td>
<td></td>
<td>96 08 36.846</td>
<td>1001.7</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Plotted graphically</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 FT = 0.03048006 METER
COMPUTED BY: Mary R. Bloom
DATE: 9/2/49
CHECKED BY: H.R. Rudolph
DATE: 11/2/49
COMPILATION REPORT T-9286

FIELD INSPECTION REPORT


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.  

*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.

**Cartographic Draftsman**

Approved and forwarded
November 1949

**Officer in Charge**
Baltimore Photogrammetric Office
PHOTOGRAMMETRIC OFFICE REVIEW
T-9286


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy 6. Recoverable horizontal stations of less
than third-order accuracy (topographic stations) 7. Photo-hydro stations 8. Bench marks

ALONGSHORE AREAS
(Nautical Chart Data)
to navigation 17. Landmarks 18. Other alongshore physical features 19. Other along-
shore cultural features

PHYSICAL FEATURES
features

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines 32. Public land lines

MISCELLANEOUS
33. Geographic names 34. Junctions 35. Legibility of the manuscript 36. Discrepancy
40. Reviewer

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.

43. Remarks:

Compiler

Supervisor

M-2623-12
REMARKS

1. The projection was printed on this manuscript as it appears on the published air photo compilation No. T-53/3. 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 planable sheet "B" were not available to the compilation office.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing by Joseph W. Vonasek

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Matagorda Bay Buoys</td>
<td>Not on Chart 895</td>
<td>28 34 199</td>
<td>96 12 00</td>
<td>N.A. 1927</td>
<td>Sextant Fix</td>
<td>1947</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
<td>28 33 1569</td>
<td>96 12 254</td>
<td>#</td>
<td>Plane-table Sheet B</td>
<td>x x 888,889</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td></td>
<td>28 33 1287</td>
<td>96 12 419</td>
<td>#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td>28 33 1302</td>
<td>96 12 500</td>
<td>#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
<td>28 33 964</td>
<td>96 12 738</td>
<td>#</td>
<td></td>
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<tr>
<td>27</td>
<td></td>
<td></td>
<td>28 33 522</td>
<td>96 12 920</td>
<td>#</td>
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<td>28</td>
<td></td>
<td></td>
<td>28 33 579</td>
<td>96 12 975</td>
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<td>28 33 188</td>
<td>96 12 1144</td>
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<td></td>
<td></td>
<td>28 33 250</td>
<td>96 12 1238</td>
<td>#</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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 data.

64. Comparison with Contemporary Hydrographic Surveys
None

65. Comparison with Nautical Charts

The numbering system for buoys along Matagorda Bay Range A-B on T-9286 is not numbered 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 (123½° / 33½°).

66. Accuracy of lights and shoals is better than the old number. T-9286 is adequate for charting purposes and complies with Bureau Policy and the National Map Accuracy.

Review by:

[Signature]
Lena P. Stevens

Approved by:

[Signature]
S. R. Griffin 1/25/53
Chief, Review Section
Division of Photogrammetry

[Signature]
[Initials]
Chief, Nautical Chart Branch
Division of Charts

[Signature]
[Initials]
Chief, Division of Photogrammetry

[Signature]
[Initials]
Chief, Division of Coastal Surveys
TO BE CHARTED
TO BE DELETED

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

Baltimore, Maryland 27 October 1949

<table>
<thead>
<tr>
<th>STATE</th>
<th>TEXAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>20</td>
<td>Matagorda Bay Buoy</td>
</tr>
<tr>
<td>22</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td></td>
</tr>
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</tr>
<tr>
<td>29</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-7-51</td>
<td>888</td>
<td>H. Keeler</td>
<td>After Verification and Review</td>
</tr>
<tr>
<td>7-51</td>
<td>889</td>
<td>A.D. Henderson</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td>8-14-53</td>
<td>1284</td>
<td>Henderson</td>
<td>Before After Verification and Review</td>
</tr>
</tbody>
</table>

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.