U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Photogrammetric Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>T-8942 E&amp;W</td>
</tr>
<tr>
<td>Project No.</td>
<td>PH-14(46)</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Texas</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Gulf Intracoastal Waterway</td>
</tr>
<tr>
<td>Locality</td>
<td>South Jetty to Galveston</td>
</tr>
</tbody>
</table>

1947

**CHIEF OF PARTY**

Boss A. Gilmore, Chief of Field Party
Thos. B. Reed, Baltimore Photo. Office

**LIBRARY & ARCHIVES**

**DATE** September 2, 1952
DATA RECORD

T - 8942

Project No. (II): PH-14(46)

Quadrangle Name (IV): Chief of Party: Ross A. Gilmore

Field Office (II): Port Lavaca, Texas

Photogrammetric Office (III): Baltimore, Maryland

Instructions dated (II) (III): Not dated; Supplement 1, 22 July 1947;

Letters dated 5 June 1947 and 29 July 1947

Letter 711-rs dated 4 February 1949

Copy filed in Division of

Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (II): 1.000

Date received in Washington Office (IV): 26-9

Date reported to Nautical Chart Branch (IV): 30-9

Date registered (IV): 12 Dec. 1951

Vault Copy

Publication Scale (IV): 1:10,000

Vault Copy

Publication Date (IV): June 1981

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

Mean sea level except as follows:

Elevations shown as (5) refer to mean high water
Elevations shown as (S) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): JACINTO, 1933

Lat.: 29° 20' 03" 945 (121.5m)

Long.: 94° 45' 09" 213 (248.6m)

Adjusted

Plane Coordinates (IV):

y = 570,353.3

State: Texas

Zone: South Central

x = 3,352,970.8

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)
(li) (iii)
DATA RECORD

Field inspection by (II):  J. S. Howell  

Date:  October 1947

Planetable contouring by (II):  

Date:  

Completion Surveys by (III):  

Date:  

Mean High Water Location (III) (State date and method of location):  11/21/46

Identified on field photographs

Projection and Grids ruled by (IV):  W.E.W.  

Date:  31 Dec. 1948

Projection and Grids checked by (IV):  W.E.W.  

Date:  31 Dec. 1948

Control plotted by (III):  Washington Office  

Date:  

Control checked by (III):  Washington office  

Date:  

Radial Plot or Survey (III):  L. Martin Gazik  

Date:  17 March 1947

Stereoscopic Instrument compilation (III):  

Date:  

Planeimeter

Contours

Manuscript delineated by (III):  G.N.Nathan  

Date:  17 May 1949 to 12 July 1949

Photogrammetric Office Review by (III):  J.W.Vonasek  

Date:  6 September 1949 to 14 September 1949

Elevations on Manuscript  

checked by (II) (III):  

Date:  

Form T-Page 3
**Camera (kind or source) (III):** U.S.C.& G.S. nine-lens camera, focal length 8½”

<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>18417</td>
<td>11/21/46</td>
<td>2:43</td>
<td>1:10,000</td>
<td>0.3’ above MHWS</td>
</tr>
<tr>
<td>18428 to</td>
<td>11/21/46</td>
<td>3:09</td>
<td>1:10,000</td>
<td>0.3’ above MHWS</td>
</tr>
<tr>
<td>18431 incl.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tide (III)**

- Reference Station: Galveston, Texas (Galveston Channel)
- Subordinate Station: Galveston Bay entrance, South Jetty

<table>
<thead>
<tr>
<th>Ratio of</th>
<th>Mean Range</th>
<th>Range</th>
<th>Diurnal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>1.0</td>
<td>1.0</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>1.3</td>
<td>1.3</td>
<td>2.0</td>
</tr>
</tbody>
</table>

- Washington Office Review by (IV): [Signature]
- Final Drafting by (IV): [Signature]
- Drafting verified for reproduction by (IV): [Signature]
- Proof Edit by (IV): [Signature]

**Land Area (Sq. Statute Miles) (III):**
- 4

**Shoreline (More than 200 meters to opposite shore) (III):**
- 12½ statute miles

**Shoreline (Less than 200 meters to opposite shore) (III):**
- 2½ statute miles

**Control Leveling - Miles (II):**
- Number of Triangulation Stations searched for (II): 13
- Number of BMs searched for (II): 13
- Number of Recoverable Photo Stations established (III): 2
- Number of Temporary Photo Hydro Stations established (III): 0

**Remarks:**
SHORELINE MAPPING PROJECT
PH-14(46)  (PART 3)
TEXAS, Vicinity of Galveston
Summary to Accompany T-8942

Shoreline survey T-8942, scale 1:10,000 (latitude 29° 17' to 21', longitude 94° 40' to 47') 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-8942 is one of the Part III group which consists of 16 maps (T-8935 to T-8950, inclusive), vicinity of Galveston, Texas.

T 8942 vii in 2 parts: T 8942 1/2 and T 8942 E/2
Field Report
Shoreline Manuscript
Survey No. T-8942

For field data covering survey T-8942 refer to Special Report for Project Ph-1(14), locality of Port Arthur, Texas to Cedar Lakes, Texas, submitted by Ross A. Gilmore, Chief of Party, January 1948, for field work accomplished 19 August 1947 and 31 October 1947.

This Special Report is filed as Chart Letter No. 84 (75).
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</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>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tbody>
<tr>
<td>WALL, 1933</td>
<td>G-2122 P. 30</td>
<td>29 17 51.065</td>
<td>1572.2 275.1</td>
<td>1086.2 533.1</td>
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<tr>
<td>SUB. PT. WALL</td>
<td>&quot;</td>
<td>29 17 50.773</td>
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<td>1563.2 284.1</td>
<td>1143.1 476.2</td>
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<tr>
<td>Galveston, JOHN SEALY HOSPITAL CUPOLA, (USE)</td>
<td>G-2122 P. 44</td>
<td>29 18 41.393</td>
<td>1274.4 572.9</td>
<td>1072.1 547.0</td>
<td>Forward (Back)</td>
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<tr>
<td>SAN, 1933</td>
<td>G-2122 P. 30</td>
<td>29 18 52.703</td>
<td>1622.6 224.7</td>
<td>1378.4 240.7</td>
<td>1631.1 216.2</td>
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<tr>
<td>SUB. PT. SAN</td>
<td>&quot;</td>
<td>29 18 52.978</td>
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<td>1371.3 247.8</td>
<td>Forward (Back)</td>
</tr>
<tr>
<td>EAST BANK BEACON, 1933</td>
<td>G-2122 P. 48</td>
<td>29 19 12.633</td>
<td>This beacon has not been listed in the light list since 1947. It is not on Chart 520, 1950 rev. 1954.</td>
<td>388.9 1458.4</td>
<td>1164.1 454.9</td>
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<tr>
<td>Galveston South Jetty Light, 1933</td>
<td>G-2122 P. 33</td>
<td>29 19 39.258</td>
<td>&quot;Galveston Jetty Light&quot; must</td>
<td>1208.7 638.6</td>
<td>887.3 731.5</td>
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<tr>
<td>EAST BEACH, (USE) , 1932</td>
<td>G-2122 P. 46</td>
<td>29 19 57.771</td>
<td>&quot;</td>
<td>1778.7 68.6</td>
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<tr>
<td>SUB. PT. EAST BEACH</td>
<td>&quot;</td>
<td>29 19 58.939</td>
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<td>1814.6 32.7</td>
<td>518.0 1100.8</td>
</tr>
<tr>
<td>JACINTO, 1933</td>
<td>G-2122 P. 30</td>
<td>29 20 03.945</td>
<td></td>
<td>121.5 1725.8</td>
<td>248.6 1370.2</td>
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<tr>
<td>SUB. PT. JACINTO</td>
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<td>245.7 1373.1</td>
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<td>FORT POINT LIGHTHOUSE (USE)</td>
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<td>347.4 1499.9</td>
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<tr>
<td>STATION</td>
<td>SOURCE OF INFORMATION (INDEX)</td>
<td>LATITUDE OR y-COORDINATE</td>
<td>LONGITUDE OR x-COORDINATE</td>
<td>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</td>
<td>DATUM CORRECTION</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-------------------------------</td>
<td>--------------------------</td>
<td>---------------------------</td>
<td>--------------------------------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>U.S. QUARANTINE STATION, CUPOLA, 1933</td>
<td>G-2122 Pg. 44</td>
<td>29 20</td>
<td>11.496</td>
<td>353.9</td>
<td>1493.3</td>
</tr>
<tr>
<td>GALVESTON NORTH JETTY LIGHT, 1933</td>
<td>G-2122 P. 33</td>
<td>29 20</td>
<td>43.621</td>
<td>1343.0</td>
<td>504.3</td>
</tr>
<tr>
<td>DELTA (USE) 1933</td>
<td>G-2122 P. 46</td>
<td>29 20</td>
<td>51.754</td>
<td>1593.4</td>
<td>253.9</td>
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<tr>
<td>GALVESTON, MEXICAN PETROLEUM CORPORATION, STACK, 1933</td>
<td>G-2122 P. 43</td>
<td>29 18</td>
<td>52.473</td>
<td>1615.5</td>
<td>231.7</td>
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</tbody>
</table>

1 FT = 0.3048006 METER

COMPUTED BY: G.N. Nathan
DATE: 7 September 1949
CHECKED BY: J.W. Vonasek
DATE: 14 September 1949
COMPILATION REPORT
T - 8942

This manuscript is one of a series of surveys in Project No. Ph-14(46) and covers the area along the Intracoastal Waterway at Galveston, Texas.

FIELD INSPECTION REPORT


PHOTограмMETRIC PLOT REPORT

Refer to the radial plot report for Surveys T-8938 through T-8944, submitted by L. Martin Gazik, 17 March 1949. Attached to Descriptive Report T-8938

31. DElineATION

The manuscript was delineated by graphic methods only.

The field inspection was found to be practically at a minimum for the entire manuscript and almost all delineation was done by photographic interpretation.

32. CONTROL

The identification, the density, and the placement of the horizontal control were adequate for satisfactory delineation of this survey. See the radial plot report for T-8938 through T-8944 submitted by L. Martin Gazik, 17 March 1949.

An error was found in the computation of the position of Sub.Pt. WALL after the delineation was completed. The error was approximately 0.3 mm at the scale of the manuscript. Because this is within the standards of mapping accuracy, the delineation was not changed.

The computation for Sub. Pt. EAST BEACH was also found in error by about 3 meters and the station was repleted. The corrected position agrees closely with the radial plot position. The remark in the radial plot report concerning this station can be disregarded.

33. SUPPLEMENTAL DATA

Form 250, Field Observations, Vol. 2 of 5 Volumes, Sextant Fixes, Galveston and Texas City, was used to determine the locations of the floating aids to navigation, an obstruction, two points on range, and one recommended landmark.
33. **SUPPLEMENTAL DATA** (Continued)

Planstable sheet T-6052 (1934) with additions made by the field party in October 1947 covers part of the area of this survey.

The quadrangles listed in paragraph 46 of this report were corrected and furnished as the geographic names standard.

34. **CONTOURS AND DRAINAGE**

Inapplicable.

35. **SHORELINE AND ALONGSHORE DETAILS**

The shoreline inspection could have been much more complete. No marsh or sand areas were identified anywhere on the photographs and very few alongshore cultural features were identified. Two features at latitude 29° 19', longitude 94° 45' were not identified and were assumed to be salt evaporators.

36. **OFFSHORE DETAILS**

Refer to page 51 of the field report regarding a submerged stake and a submerged pipe in Galveston Channel. "Not visible now. Not delineated on F.1942"

Submerged wrecks and wreckage shown on Chart 520 north of North Jetty are not visible on the photographs and are not shown.

37. **LANDMARKS AND AIDS**

Three

[**Tower (Navy Radio); Flag Tower (USW 60 Bu); Stack**]

Two new landmarks were recommended by the field party for charting. Refer to form 567 submitted with this report. Landmark STACK identified on field photograph 18417 was not recommended by the field party on Form 567. Several landmarks to be deleted were indicated on chart sections submitted by the field party in the special report. Ch. A. No. 244 (1944) p. 29

Forms 567 for nonfloating and floating aids to navigation are submitted with this report. The positions of all floating aids were based on sextant fixes furnished by the field party.

The Galveston Boat Basin Range Front and the Galveston Boat Basin Range Rear were plotted on the manuscript in agreement with their positions as identified on field photograph 18417. There is a discrepancy, however, between the positions of these aids as established by the field party in 1947 and as shown on Chart No. 520 corrected to 6 June 1949. The positions of these aids as shown in the 1948 Light List agree with those on the chart.*

The accuracy of the position of the following aid is in doubt because of the fact that the sextant fix and its check angle position could not be held together:

**Galveston Lighted Buoy 10**

*The discrepancy referred to above is a range angle of 163°. On F.1942, the line from "Point on Range" through the two range lights makes an angle of 166°. This is the correct angle. (Lights and Point on Range verified during review) L. T. S.
37. **LANDMARKS AND AIDS**

The leading lines of Texas City Channel Cut A Outer Range and Texas City Channel Cut A Inner Range do not intersect as charted. The azimuths of these leading lines were determined by aligning the range lights with sextant fix positions of points on their respective ranges. Because of the diagonal junction between T-8941 and T-8943, parts of these ranges fall on T-8943; however, the leading lines have been delineated only on T-8941 and T-8942.

**Texas City Cut A Inner Range**: A line drawn thru the triangulation stations Range Rear - Range Front did not pass thru "Point on Range" but it did make a very low angle junction with Cut A Outer Range range line, which was correctly placed. The Point on Range for Cut A Inner, was removed from the manuscript and the correct range line drawn.

The angles of the range lines on the manuscript do not agree with the values recorded in the light lists. The manuscript angles supersede those on the chart.

38. **CONTROL FOR FUTURE SURVEYS**

Two recoverable topographic stations have been established in the area of this manuscript. A Form 524 for each is submitted with this report. A list of these stations is included in paragraph 49.

39. **JUNCTIONS**

The northeast, east, and south limits of T-8942 are the limits of the project. Junction has been made with T-8943 to the west and with T-8941 to the northwest; the junctions are in agreement.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41 through 45

Inapplicable

46. **COMPARISON WITH EXISTING MAPS**

The manuscript has been compared with the following War Department, Corps of Engineers quadrangles, scale 1:25,000, edition of 1943:

- The Jetties, Texas
- Galveston, Texas

The manuscript was in good agreement with the above quadrangles. The greatest difference in details is the sand area (Big Reef) north of Galveston Island.
47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart No. 520, scale 1:30,000, published February 1945 and corrected to 6 June 1949.

The manuscript and the chart were in good agreement except for the same sand area difference mentioned in paragraph 46.

**Items to be applied to nautical charts immediately:**

None.

**Items to be carried forward:**

None.

Respectfully submitted
13 July 1949

[Signature]

Cartographer (photo)

Approved and forwarded
23 September 1949

[Signature]

Officer in Charge
Baltimore Photogrammetric Office
48. GEOGRAPHIC NAME LIST

- Big Reef
- Bolivar Roads
- East Beach
- East End Flats (name o.k. if it is to be used)
- Port Point
- Galveston Entrance
- Galveston
- Galveston Channel
- Galveston Island
- Galveston Yacht Basin
- Gulf of Mexico
- Inner Bay Channel
- North Jetty
- Outer Bay Channel
- Pelican Island
- San Jacinto Military Reservation
- Seawall Boulevard
- South Jetty
- Stewart Beach
- The Lagoon

* Not shown on the manuscript

The names on this list were compiled from the Final Names Standard dated 15 July 1949.
- Galveston Boat Basin Range
- Texas City Cut A Outer Range
- Galveston Channel Entrance Range
- Planet No. 9110

Names preceded by o are approved.
PHOTOGRAMMETRIC OFFICE REVIEW

T-8942


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-hydrostations     8. Bench marks


ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline     13. Low-water line

14. Rocks, shoals, etc.     15. Bridges

16. Aids to navigation     17. Landmarks

18. Other alongshore physical features     19. Other alongshore cultural features

PHYSICAL FEATURES

20. Water features     21. Natural ground cover

22. Planetary contours     23. Stereoscopic instrument contours


26. Other physical features

CULTURAL FEATURES

27. Roads

28. Buildings

29. Railroads     30. Other cultural features

BOUNDARIES

31. Boundary lines

32. Public land lines

MISCELLANEOUS

33. Geographic names

34. Junctions

35. Legibility of the manuscript

36. Discrepancy overlay

37. Descriptive Report

38. Field inspection photographs

39. Forms

40. Reviewer: Joseph W. Hise     Supervisor: Joseph S. Hummerson

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       STRIKE OUT ONE

TO BE DELETED       DRAFTED ON

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 activity (activity) (activity).

Joseph W. Venasek

<table>
<thead>
<tr>
<th>STATE</th>
<th>TEXAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>GALVESTON NORTH CHANNEL LIGHTED BELL BUOY 2</td>
<td>900 ft.</td>
</tr>
<tr>
<td>GALVESTON NORTH CHANNEL BUOY 4</td>
<td>900 ft.</td>
</tr>
<tr>
<td>DREDGE BRICK LTD BUOY 2A</td>
<td>900 ft.</td>
</tr>
<tr>
<td>GALVESTON NORTH CHANNEL LIGHTED BUOY 3</td>
<td>900 ft.</td>
</tr>
<tr>
<td>GALVESTON LTD. BELL BUOY 5</td>
<td>900 ft.</td>
</tr>
<tr>
<td>GALVESTON NORTH CHANNEL LIGHTED BELL BUOY 6</td>
<td>900 ft.</td>
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<tr>
<td>GALVESTON LTD. BELL BUOY 7</td>
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</tr>
<tr>
<td>BOLIVAR ROADS ANCHORAGE BUOY F</td>
<td>900 ft.</td>
</tr>
<tr>
<td>GALVESTON LTD. BUOY 10</td>
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<tr>
<td>BOLIVAR ROADS BUOY 2A</td>
<td>900 ft.</td>
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<tr>
<td>BOLIVAR ROADS LTD. BUOY 2</td>
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<tr>
<td>PELICAN SPIT SHOAL LTD BUOY</td>
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<tr>
<td>FORT POINT LTD BELL BUOY 11</td>
<td>900 ft.</td>
</tr>
<tr>
<td>UNPAINTED, UNLISTED CAN BUOY, LOCAL MARKER</td>
<td>900 ft.</td>
</tr>
</tbody>
</table>

Baltimore, Maryland 13 July 1949

Thos. B. Reed
Chief of Party

This form shall be prepared in accordance with the 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  

TO BE CHARTED  
TO BE DELETED  

Baltimore, Maryland  13 July  1949

I recommend that the following objects which have not 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. Vonahek

<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</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>LT.</td>
<td>GALVESTON NORTH JETTY</td>
<td>506</td>
<td>29 20 1343</td>
<td>94 40 1198.9 1927</td>
<td>Triang.</td>
<td>1933</td>
<td>520,1282 886</td>
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</tr>
<tr>
<td>HORN</td>
<td>GALVESTON FERRY FOG SIGNAL</td>
<td>506</td>
<td>29 19 1130</td>
<td>94 46 645</td>
<td>Rad.</td>
<td>Plot 1947</td>
<td>520</td>
<td>886</td>
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<tr>
<td>* LT.</td>
<td>HITCHCOCK REEF</td>
<td>506</td>
<td>29 19 1158</td>
<td>94 46 1258</td>
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<td></td>
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<tr>
<td>LT.</td>
<td>GALVESTON BOAT BASIN RNG FRONT</td>
<td>506</td>
<td>29 18 1647</td>
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<td>GALVESTON BOAT BASIN RNG REAR</td>
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<td>29 19 1167</td>
<td>94 46 658</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>* LT.</td>
<td>TEXAS CITY CHANNEL Cutoff &quot;A&quot; OUTER RANGE FRONT</td>
<td>506</td>
<td>29 20 533</td>
<td>94 45 971</td>
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<td>LT.</td>
<td>TEXAS CITY CHANNEL Cutoff &quot;A&quot; OUTER RANGE REAR</td>
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<td>29 20 403</td>
<td>94 45 715</td>
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</tbody>
</table>

Galveston Jetty  29 19 12087 94 41 839 3  Triang  1933

#5315 Not listed since 1948. Not carried on Chart 520 10/47.

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.
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>DATE OF LOCATION</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>CHARTS AFFECTED</th>
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<tr>
<td></td>
<td>UNPAINTED, UNLISTED CAN BUOY, LOCAL MARKER</td>
<td>8996-0600</td>
<td>29° 19'</td>
<td>1004</td>
<td>N.A.</td>
<td>Oct. 1947</td>
<td>Sextant Fix</td>
<td>520,1282</td>
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<td>JUNCTION BUOY</td>
<td>8996-0600</td>
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<td>774</td>
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</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 Surveys.**

- T-282 1:20,000 1850 (no contours)
- T-6053 1:10,000 1933-4 (graphic control)
- T-6054 1:10,000 1933-4 (graphic control)

Except for off-shore details, T-8942 supersedes the older surveys for charting purposes.

63. **Comparison with Maps of Other Agencies.**

- USE Galveston, Tex. 1:25,000 1949
- USGS Galveston, Tex. 1:31,680 ed.1933 rep. 1943
- USE The Jetties, Tex. 1:25,000 1949
- USGS The Jetties, Tex. 1:31,680 ed.1933

64. **Comparison with Contemporary Hydrographic Surveys.** None

65. **Comparison with Nautical Charts.**

520 1:30,000 Feb. 1945, rev. Sept. 1949

Some off-shore details which were visible on the photographs were put on the manuscript during review. Other off-shore charted detail is lacking on this survey for lack of evidence or information.

Range line values on T-8942 are not in agreement with those on the chart and in the Light Lists. The positions of range lights on the map manuscripts are from cuts on photo-visible structures (some are triangulation stations). The range line on T-8942 supersedes those on the chart and in the Light Lists.

The small radio tower charted on the mainland east of the bunker fuel docks in Galveston Channel is not on map manuscript T-8942. It was not noted by field inspection either for charting or deleting, therefore, it has not been added during review. The form of the levee and the appearance of the locality makes it seem possible that the tower still exists, even if too low to be surely identified by photograph inspection. "Small Radio Tower" should not be deleted from Chart 520 without further investigation.

66. **Accuracy.** This map manuscript complies with project instructions and is adequate for charting.

Reviewed by:

Lena T. Stevens

APPROVED

Chief, Review Section
Div. of Photogrammetry

Chief, Nautical Chart Branch
Div. of Charts

Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys
# NAUTICAL CHARTS BRANCH

**SURVEY NO. 78942**

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRApher</th>
<th>REMARKS</th>
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<td>3/17/59</td>
<td>886</td>
<td>Hansen</td>
<td>Before after Verification and Review</td>
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<tr>
<td>8/1/59</td>
<td>520</td>
<td>W. Burgoyne</td>
<td>Actually applied - critical case only</td>
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<td>Before after Verification and Review</td>
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<tr>
<td>6/17/52</td>
<td>886</td>
<td>J. Walter</td>
<td>Before after Verification and Review Completely</td>
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<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.