

8942 E & W

original copy

Diag. Cht. No. 1116-2 & 1282.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. \_\_\_\_\_ Office No. T-8942 E & W

Project PH-14(46)

LOCALITY

State Texas

General locality Gulf Intracoastal Waterway

Locality South Jetty to Galveston

1947

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE September 2, 1952

B-1870-1 (1)

8942 E & W

# DATA RECORD

T - 8942

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, Maryland

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): Not dated; Supplement 1, 22 July 1947; Copy filed in Division of  
Letters dated 5 June 1947 and 29 July 1947 Photogrammetry (IV)  
Letter 711-rs dated 4 February 1949

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 9-26-49 Date reported to Nautical Chart Branch (IV): 9-30-49

Applied to Chart No. SEE FORM IN BACK OF THIS REPORT

Date registered (IV): 12 Dec. 1951

Vault Copy  
Publication Scale (IV): 1:10,000

Vault Copy  
Publication date (IV): June 1951

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): JACINTO, 1933

Lat.: 29° 20' 03".945 (121.5m) Long.: 94° 45' 09".213 (248.6m)

Adjusted  
~~coordinates~~

Plane Coordinates (IV):

State: Texas

Zone: South Central

Y= 570,353.31

X= 3,352,975.84

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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: October 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  
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 ~~Stereoscopic~~

Date:

~~Control checked by~~ (III): L. Martin Gazik

17 March 1947

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

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:

Camera (kind or source) (II): U.S.C. & G.S. nine-lens camera, focal length 8 $\frac{1}{4}$ "

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
18417	11/21/46	2:43	1:10,000	0.3" above MHW
18428 to 18431 incl.	11/21/46	3:09	1:10,000	0.3' above MHW

Tide (III)

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

Diurnal

Ratio of Ranges	Mean Range	<del>Spring</del> Range
1.0	1.0	1.4
1.3	1.3	2.0

Washington Office Review by (IV): *Anna T. Stevens*

Date: *21 Aug. 1950*

Final Drafting by (IV): *Baltimore Office*

Date:

Drafting verified for reproduction by (IV): *Breene W. Streifler*

Date: *5/7/51*

Proof Edit by (IV): *Streifler*

Date: *6/8 51*

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

Shoreline (More than 200 meters to opposite shore) (III): *12 $\frac{1}{2}$  statute miles*

Shoreline (Less than 200 meters to opposite shore) (III): *2 $\frac{1}{2}$  statute miles*

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): *13*

Recovered: *10*

Identified: *10*

Number of BMs searched for (II):

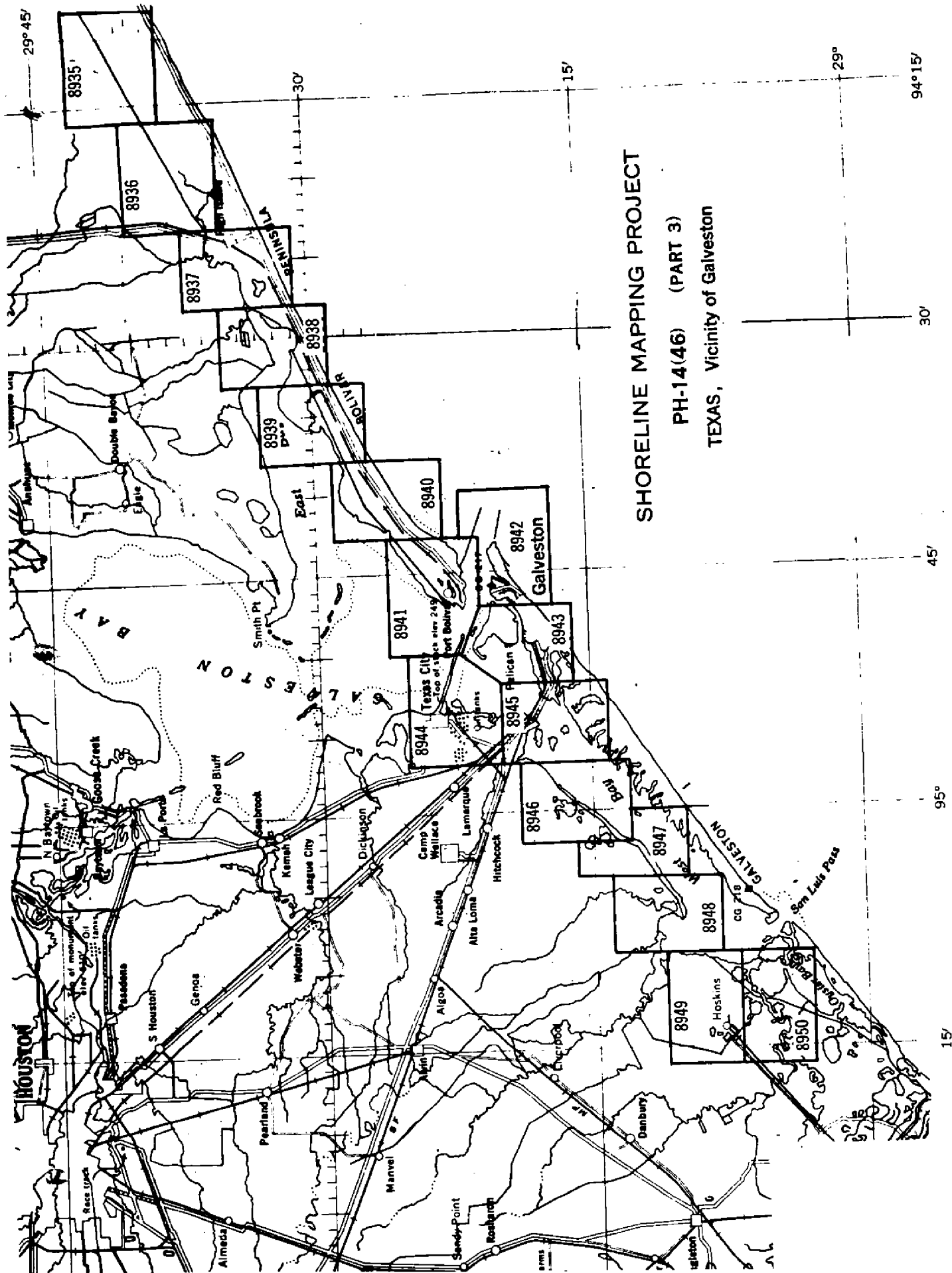
Recovered:

Identified:

Number of Recoverable Photo Stations established (III): *2*

Number of Temporary Photo Hydro Stations established (III): *0*

Remarks:



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.

*T8942 is in 2 parts: T8942 W/2 and  
T8942 E/2*

Field Report  
Shoreline Manuscript  
Survey No. T-8942

For field data covering survey T-8942 refer to Special Report for Project Ph-14(46), locality of Port Arthur, Texas to Cedar Lakes, Texas, submitted by Ross A. Gilmore, Chief of Party, January 1948, for field work accomplished between 18 August 1947 and 31 October 1947.

*This Special Report is filed as*  
Chart Letter No. 84 (1947).

MAP T. 8942

PROJECT NO. PH-14(46)

SCALE OF MAP 1:10,000

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 FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
WALL, 1933 (d.m.)	G-2122 P. 30	N.A. 1927	29 17 51.065 94 46 40.247			1572.2 275.1 1086.2 533.1	
SUB. PT. WALL		"	29 17 50.773 94 46 42.354	Removed after review		1563.2 284.1 1143.1 476.2	
<i>Galveston,</i> JOHN SEALY HOSPITAL CUPOLA, (USE) 1900 (d)	G-2122 P. 44	"	29 18 41.393 94 46 39.731	landmark		1274.4 572.9 1072.1 547.0	
SAN, 1933 (d.m.)	G-2122 P. 30	"	29 18 52.703 94 45 51.081			1622.6 224.7 1378.4 240.7	
SUB. PT. SAN		"	29 18 52.978 94 45 50.819	Removed after review		1631.1 216.2 1371.3 247.8	
EAST BANK BEACON, 1933 (d.m.)	G-2122 P. 48	"	29 19 12.633 94 46 43.143	This beacon has not been listed in the light list since 1948. It is not on Chart 520, 1950 rev. 475 10 Aug. 1970		388.9 1458.4 1164.1 454.9	
<i>Galveston</i> SOUTH JETTY LIGHT, 1933 (d.m.)	G-2122 P. 33	"	29 19 39.258 94 41 32.887	"Galveston Jetty light" #3604		1208.7 638.6 887.3 731.5	
EAST BEACH (USE), 1932 (d.m.)	G-2122 P. 46	"	29 19 57.771 94 44 09.509			1778.7 68.6 256.6 1362.2	
SUB. PT. EAST BEACH		"	29 19 58.939 94 44 19.199	Removed after review		1814.6 32.7 518.0 1100.8	
JACINTO, 1933 (d.m.)	G-2122 P. 30	"	29 20 03.945 94 45 09.213			121.5 1725.8 248.6 1370.2	
SUB. PT. JACINTO		"	29 20 04.047 94 45 09.107	Removed after review		124.6 1722.7 245.7 1373.1	
FORT POINT LIGHTHOUSE (USE) 1900	G-2122 P. 47	"	29 20 11.282 94 46 0.383	Galveston Harbor Fog Signal: (No 4312)		347.4 1499.9 10.3 1608.4	

1 FT. = 3048006 METER  
COMPUTED BY: G.N. Nathan

DATE 7 September 1949

CHECKED BY: J.W. Vonasek

DATE 14 September 1949

M. 2388-12

SCALE FACTOR ..... 1.000

FACTOR DISTANCE  
FROM GRID OR PROJECTION LINE  
IN METERS  
FORWARD (BACK)

NOTICE, 1932.

1.4

1

74	40
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60102

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[illegible]

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4.00


[illegible]

14 September 1949

M-2388-12

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

Refer to Special Report, Project Ph-14(46), Gulf Intracoastal Waterway, Port Arthur, Texas, to Cedar Lakes, Texas, submitted by Ross A. Gilmore, January 1948. *Chart letter No. 84(1948)*

PHOTOGRAMMETRIC 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 replotted. 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)

Planetable 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  $29^{\circ} 19'$ , longitude  $94^{\circ} 45'$  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 H.L.W.". Not delineated on T-8942*

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 (McKay Radio); Flag Tower (US Wea. Bu.); Stack]*  
~~Two~~ new landmarks were recommended by the field party for charting. *Ch. L. No. 84 (1948)*  
 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. *(Towers)*  
~~Several~~ landmarks to be deleted were indicated on chart sections submitted by the field party in the special report. *Ch. L. No 84 (1948) 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:

*Bell*  
Galveston Lighted Buoy 10

\* The discrepancy referred to above is a range angle of  $163^{\circ}$ .  
~~The range angle~~ On T-8942 the line from "Point on Range" through the two range lights makes an angle of  $160^{\circ}$ . This is the correct angle. (Lights and Point on Range verified during review)  
 LTS.

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~~<sup>delineated</sup>. 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.

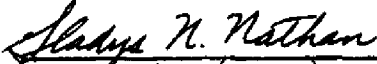
Items to be applied to nautical charts immediately:

None.


Items to be carried forward:

None.

Respectfully submitted  
13 July 1949

  
Cartographer (photo)

Approved and forwarded  
23 September 1949

  
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 Bar Channel
- ✓ • North Jetty
- ✓ • Outer Bar 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
- ✓ • Pierce Nos. 9, 10, 11

Names preceded by •  
are approved. 8-11-50  
J. H. H. H.

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 8942

1. Projection and grids JW 2. Title JW 3. Manuscript numbers JW 4. Manuscript size \_\_\_\_\_

## CONTROL STATIONS

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

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

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

## BOUNDARIES

31. Boundary lines \_\_\_\_\_ 32. Public land lines \_\_\_\_\_

## MISCELLANEOUS

33. Geographic names JW 34. Junctions JW 35. Legibility of the manuscript JW 36. Discrepancy overlay \_\_\_\_\_ 37. Descriptive Report JW 38. Field inspection photographs JW 39. Forms JW 40. Joseph W. Conner 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:

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

13 July

1949.

I recommend that the following objects which have ~~(have been)~~ 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	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED				
				LATITUDE			LONGITUDE					DATUM	HARBOR CHART	INSHORE CHART	INBOARD CHART	
				°	'	D. M. METERS	°	'	D. P. METERS							
TEXAS	GALVESTON NORTH CHANNEL LIGHTED BELL BUOY 2		88% c Helmer	29	19	1654	94	40	390	N.A. 1927	Oct 1947	X	X	X	520, 1282 886	
	GALVESTON NORTH CHANNEL BUOY 4		88% c Helmer	29	20	570	94	40	1495	"	"	X	X	X		"
	DREDGE WRECK LTD BUOY 2A		88% c Helmer	"	"	634	94	40	1271	"	"	"	X	X	X	"
	GALVESTON NORTH CHANNEL LIGHTED BUOY 3		88% c Helmer	"	"	632	94	41	569	"	"	"	X	X	X	"
	GALVESTON LTD. BELL BUOY 5		88% c Helmer	"	"	1121	94	41	1491	"	"	"	X	X	X	"
	GALVESTON NORTH CHANNEL LIGHTED BELL BUOY 6		88% c Helmer	"	"	1271	94	41	987	"	"	"	X	X	X	"
	GALVESTON LTD. BELL BUOY 7		88% c Helmer	"	"	1755	94	42	1365	"	"	"	X	X	X	"
	BOLIVAR ROADS ANCHORAGE BUOY F		88% c Helmer	"	"	868	94	43	1236	"	"	"	X	X	X	"
	GALVESTON LTD. BUOY 10	BELL	88% c Helmer	"	"	1438	94	45	847	"	"	"	X	X	X	"
	BOLIVAR ROADS BUOY 2A		88% c Helmer	"	"	1549	94	46	426	"	"	"	X	X	X	"
	BOLIVAR ROADS LTD. BUOY 2		88% c Helmer	"	"	1481	94	46	599	"	"	"	X	X	X	"
	PELICAN SPIT SHOAL LTD BUOY		88% c Helmer	29	20	816	94	46	405	"	"	"	X	X	X	"
	FORT POINT LTD BELL BUOY 11		88% c Helmer	"	"	459	94	46	267	"	"	"	X	X	X	"
	UNPAINTED, UNLISTED CAN BUOY, LOCAL MARKER		88% c Helmer	29	19	1167	94	46	815	"	"	"	X	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.

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

13 July

1949

I recommend that the following objects which ~~have~~ (have not) been inspected from seaward to determine their value as landmarks, be charted on ~~(insert chart number)~~ the charts indicated.

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

Thos. B. Reed

Chief of Party.

STATE	CHARTING NAME	TEXAS	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED		
					LATITUDE		LONGITUDE		DATUM								
					°	'	D. M. METERS	°		'						D. P. METERS	
LT.		GALVESTON NORTH JETTY	1948	886 Chelms	29	20	1343	94	40	.1198.9	N.A.	1927	Triang.	1933	x x x	x x x	520,1282 886
HORN		GALVESTON FERRY FOG SIGNAL	1947	886 Chelms	29	19	1130	94	46	645	"	"	Rad. Plot	Oct. 1947	x x x	x x x	"
* LT.		HITCHCOCK REEF	1944	886 Chelms	29	19	1158	94	46	1258	"	"	"	"	x x x	x x x	"
LT.		GALVESTON BOAT BASIN RGE FRONT	1941	886 Chelms	29	18	1647	94	46	999	"	"	"	"	x x x	x x x	"
LT.		GALVESTON BOAT BASIN RGE REAR	1941	886 Chelms	29	18	1623	94	46	987	"	"	"	"	x x x	x x x	"
LT.		GALVESTON FERRY SLIP	1943	886 Chelms	29	19	1167	94	46	658	"	"	"	"	x x x	x x x	"
LT.		TEXAS CITY CHANNEL CUT "A"	1943	886 Chelms	29	20	533	94	45	971	"	"	"	"	x x x	x x x	"
LT.		TEXAS CITY CHANNEL CUT "A"	1943	886 Chelms	29	20	403	94	45	715	"	"	"	"	x x x	x x x	"
LT.		OUTER RANGE REAR		886 Chelms	29	20	403	94	45	715	"	"	"	"	x x x	x x x	"
		Galveston Jetty			29	19	1208.7	94	41	887.3	"	"	Triang	1933			
		#4315 Not listed since 1948. Not carried on Chart 529, 529A, 529B.															

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.

**TO BE CHARTED  
TO BE DELETED**

Baltimore, Maryland

13 July 1949

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

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

[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.

Review Report T-8942  
Shoreline Survey  
11 August 1950

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  
Lena T. Stevens

APPROVED  
S. V. Griffin 4/1/52  
Chief, Review Section  
Div. of Photogrammetry

O. S. Rensley  
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Earl O. Heston  
Chief, Div. of Coastal Surveys D.H.

## NAUTICAL CHARTS BRANCH

SURVEY NO. *J-8942*

### Record of Application to Charts

[illegible]

M-2168-I

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.