8943

Diag. Cht. No. 1282 & 1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. ..... Office No. T-8943

Project PH-14(46)

LOCALITY

State Texas

General locality Gulf Intracoastal Waterway

Locality Galveston to Offatts Bayou

1947

CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party

Thos. B. Reed, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE March 17, 1952

B-1870-1 (1)

8943

DATA RECORD

T - 8943

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, and Feb. 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 (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. Date: Date registered (IV): 1-28-52

Publication Scale (IV): Publication date (IV):

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): GALVEZ, 1933

Lat.: 29° 17' 48.911"(1505.9m) Long.: 94°50'43.632"(1312.5m) Adjusted ~~Unadjusted~~

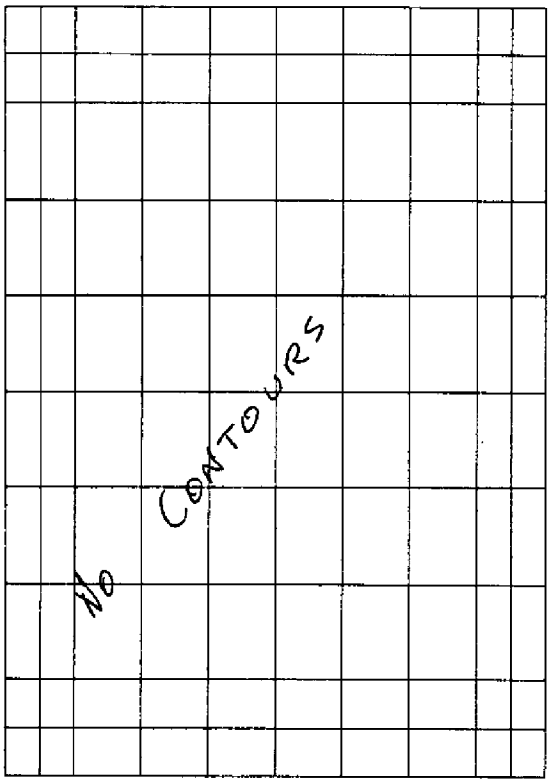
Plane Coordinates (IV): State: Texas Zone: S. Central

Y= 550,645.30 X= 3,323,440.03

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): Charles H. Bishop
John S. Howell

Date: 18 August 1947 to 31 October 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 supplemented by field inspection

Projection and Grids ruled by (IV): W.E.W., T.L.J.

Date: 31 December 1948

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

Date: 31 December 1948

Control plotted by (III):
Washington Office

Date:

Control checked by (III):
Washington Office

Date:

Radial Plot ~~or Stereoscopic~~
~~Compilation~~ by (III): L. Martin Gazik

Date: 17 March 1949

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):
Wayne L. Lineweaver

Date: 25 May 1949 to 12 September 1949

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

Date: 14 September to 19 September 1949

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

Date:

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18414	11-21-46	1440	1:10,000	1.1 above MLW
18415	11-21-46	1441	1:10,000	1.1 above MLW
18416	11-21-46	1442	1:10,000	1.1 above MLW

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: Galveston, Galveston Channel	1.0	1.0	1.4
Subordinate Station: Galveston, Galveston Channel			
Subordinate Station:			

Washington Office Review by (IV): Lena T. Stevens Date: 18 Aug. 1950

Final Drafting by (IV): Baltimore Office Date:

Drafting verified for reproduction by (IV): R. Breene S. Steinfeld Date: 5/25 51

Proof Edit by (IV): S. Steinfeld Date: 9/4 51

Land Area (Sq. Statute Miles) (III): 11

Shoreline (More than 200 meters to opposite shore) (III): 26 miles

Shoreline (Less than 200 meters to opposite shore) (III): 5 miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 29 Recovered: 19 Identified: 14*

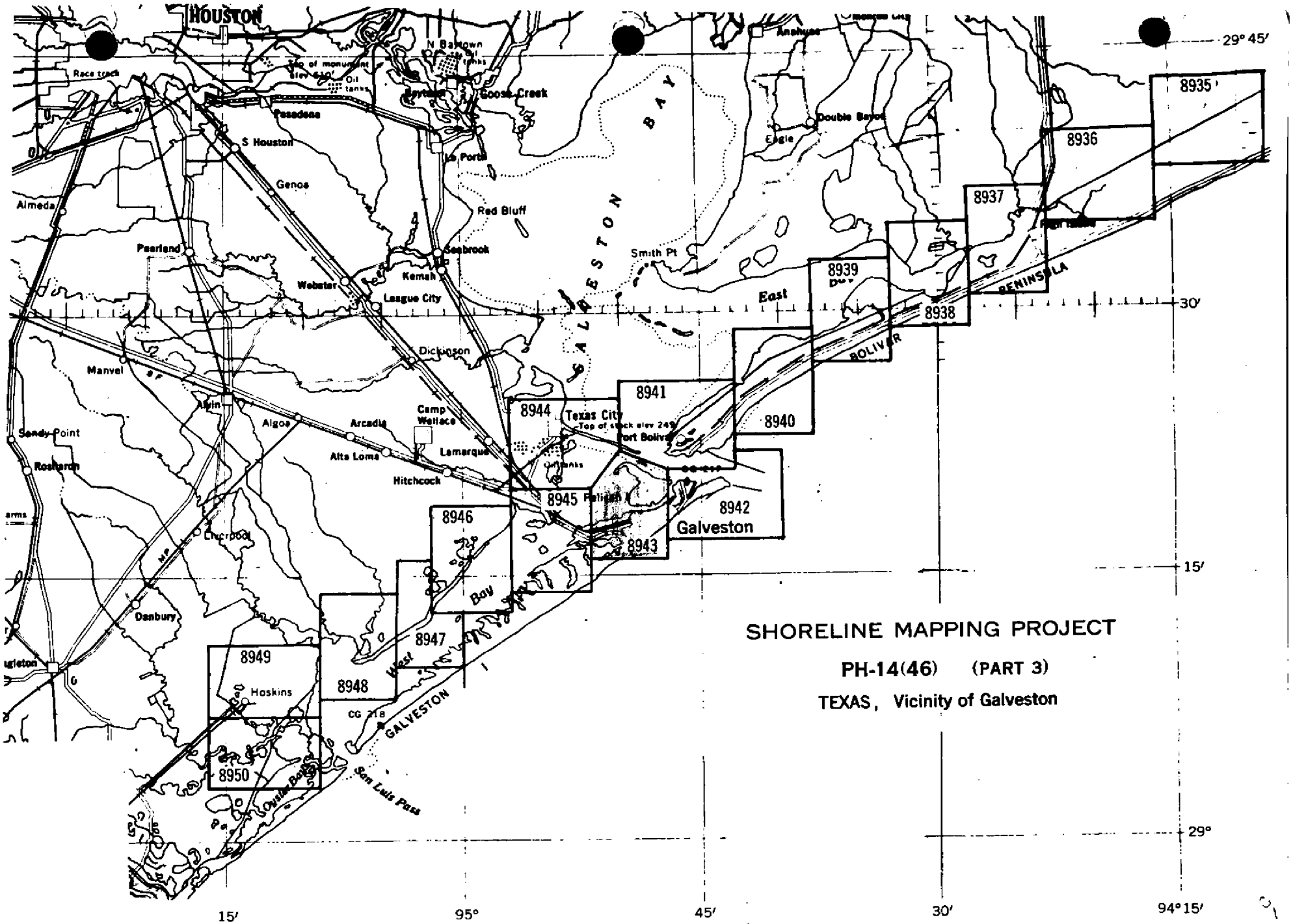
Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III): 2

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

Remarks:

* 5 stations were identified in the compilation office



SHORELINE MAPPING PROJECT

PH-14(46) (PART 3)

TEXAS, Vicinity of Galveston

Summary to Accompany T-8943

Shoreline survey T-8943, scale 1:10,000 (Lat. 29° 16' to 22', Long. 94° 47' to 52') 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-8943 is one of the Part III group, which consists of 16 maps (T-8935 to T-8950, inclusive), vicinity of Galveston, Texas.

Field Report
Shoreline Manuscript No. T-8943

For field data covering Survey T-8943, refer to the 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 28, 1948.

Chart letter No. 84(1948). Filed in the Nautical Chart Branch, Division of Charts.

In regard to paragraph 36 of the Compilation Report data on the submerged ~~rock~~ stake and the submerged wreck are as follows:

Submerged stake at { 29°16.9', 91°51.5' } recommended to be charted as "submerged stake". It is so charted on chart 520, rev. of Oct. 30, 1950

Wreck at { 29° 20.9', 94° 47.2' } apparently covered by spoil, recommended to be charted as "submerged wreck." It has been left off chart 520, rev. of Oct. 30. 1950.

MAP T-8943 PROJECT NO. Ph-14(46) SCALE OF MAP 1:10,000 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)
GALVESTON WHARF CO. PIER 40, WATER TANK 1933 (d)	G-2122 P.44	N.A. 1927	29 18 16.358				503.6	1343.7		
			94 48 53.974				1456.6	162.7		
GALVESTON SOUTHERN PACIFIC RR CO. STACK 1933 (d)	″″	″	29 18 11.419				351.6	1495.7		
			94 49 07.885				212.8	1406.5		
GALVESTON SOUTHERN PACIFIC RR CO. WATER TANK, 1933 (d)	G-2122 Pg.45	″	29 18 13.459				414.4	1432.9		
			94 49 08.428				227.4	1391.9		
GALVESTON SOUTHERN COTTON CO. WATER TANK, 1933 (d)	G-2122 P.44	″	29 17 48.524				1494.0	353.3		
			94 49 03.546				95.7	1523.7		
GALVESTON COTTON CONCENTRATION CO WATER TANK, 1933 (d)	G-2122 P. 45	″	29 17 38.981				1200.1	647.2		
			94 49 45.602				1230.8	388.7		
GALVEZ, 1933 (dm)	G-2122 P. 28	″	29 17 48.911				1505.9	341.4		
			94 50 48.632				1312.5	306.9		
SUB.PT. GALVEZ.			29 17	Plotted in		Removed after review	1464.9			
			94 50	Washington Office			1303.3			
GALVESTON ICE and COLD STORAGE CO. STACK, 1933 (d)	G-2122 P. 45	″	29 18 30.427				936.8	910.5		
			94 47 29.705				801.6	817.5		
GALVESTON U.S. NATIONAL BANK BLDG. LIGHT, 1933 (d)	″″	″	29 18 18.769				577.9	1269.4		
			94 47 33.080				892.7	726.5		
~~GALVESTON~~ ELEVATOR 1931 (dm)	G-3873 P.95	″	29 18 24.645				758.8	1088.5		
			94 48 03.518				94.9	1524.2		
BUCCANEER, 1933 (dm)	G-2122 P. 30	″	29 17 24.598				757.3	1090.0		
			94 47 17.079				461.0	1158.5		

1 FT. = .3048006 METER

COMPUTED BY: Wayne L. Lineweaver DATE 31 May 1949

CHECKED BY: M. F. Kirk, G. N. Nathan DATE 31 May 1949, 30 August 1949

M-2388-12

MAP T-8943 PROJECT NO. PH-14(46) SCALE OF MAP 1:10,000 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)
GALVESTON U.S.MARINE HOSPITAL STACK,1933	G-2122 Pg.45	N.A. 1927	29 17 24.98				769.1	1078.2		
			94 48 53.20				1435.9	183.6		
GALVESTON MOODY'S PRESS WATER TANK, 1933	G-2122 Pg. 47	"	29 17 34.041				1048.1	799.2		
			94 49 16.628				448.8	1170.7		
GALVESTON HIGH GRADE PACKING CO.,WATER TANK,1933	G-2122 P.44	"	29 17 19.144				589.4	1257.9		
			94 50 34.041				918.8	700.8		
O (USE) 1900	G-2122 P.33	"	29 21 11.227				345.7	1501.6		
			94 49 26.663				719.2	899.3		
M (USE), 1900	G-2122 P. 33	"	29 20 27.423				844.3	1003.0		
			94 48 12.683				342.2	1276.5		
GALVESTON WHARF CO. PIER 16,WATER TANK 1933	G-2122 P. 45	"	29 18 41.212				1268.8	578.5		
			94 47 12.331				332.8	1286.3		
GALVESTON SANTE FE BLDG.CUPOLA, FINIAL, 1933	G-2122 P. 45	"	29 18 22.684				698.4	1148.9		
			94 47 48.525				1309.5	309.7		
GALVESTON WHARF CO. PIER 34, WATER TANK 1933	" "	"	29 18 19.254				592.8	1254.5		
			94 48 28.897				779.8	839.5		

1 FT. = .3048006 METER

COMPUTED BY: Wayne L.Lineweaver DATE 31 May 1949 CHECKED BY: M.F.Kirk DATE 31 May 1949

M-2388-12

COMPILATION REPORT

T - 8943

FIELD INSPECTION REPORT

For field data covering this area, refer to "Special Report, Ph-14(46), Gulf Intracoastal Waterway, Port Arthur, Texas, to Cedar Lakes, Texas," submitted by Ross A. Gilmore, dated 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.
Bound with Descriptive Report T-8938

31. DELINEATION

The delineation of Survey No. T-8943 was accomplished by graphic methods. The shoreline along the Gulf of Mexico and along Horseshoe Bend was not completely delineated due to lack of photograph coverage.

32. CONTROL

Refer to the radial plot report regarding distribution and adequacy of control.

33. SUPPLEMENTAL DATA

War Department, Corps of Engineers, Galveston quadrangle, edition of 1943, scale 1:25,000 (Geographic Names Standard).

Data in Form 250, Field Observations, Volumes 2, 3, and 4 of 5 volumes (Sextant Fixes) were used to plot the positions of all floating aids to navigation, three daybeacons and two points on range.

Planetable sheet T-6052 (1934) with additions made by the field party in October 1947 covers part of the area of this survey.
See Review Report, 62

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

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

36. OFFSHORE DETAILS

Refer to page ~~50~~ 7 of this report for details regarding a submerged stake and a submerged wreck in the area.

37. LANDMARKS AND AIDS

Form 567 for nonfloating and floating aids for nautical charts and aeronautical aids are submitted with this report. See also form 567 submitted with the field report. The positions of all floating aids were based on sextant fixes furnished by the field party.

Galveston-Freeport Buoys Nos. 14 and 20 were out at the time of field inspection and do not appear on the manuscript. See Sextant Fixes, Volume 3 of 5.

The leading lines of Texas City Channel Cut "A" Outer Range and Texas City Channel Cut "A" Inner Range cross the northeast corner of this manuscript, but have been delineated only on T-8941 and T-8942. Refer to descriptive reports for thse two manuscripts.

The range lines were added during review

38. CONTROL FOR FUTURE SURVEYS

Two Form 524 for recoverable topographic stations, applicable to this manuscript, have been submitted with this report.

In addition, Form 524 for two recoverable topographic stations WOOD-1933, and STUCK-1933, were submitted. Their positions do not appear on this manuscript as no search was made for these stations.

A list of recoverable topographic stations has been prepared and included in paragraph No. 49 of this report.

39. JUNCTIONS

Junctions to the northeast with Survey No. T-8941, to the northwest with Survey No. T-8944, to the east with Survey No. T-8942, and to the west with Survey No. T-8945 have been made and are in good agreement. There is no contemporary survey to the south of this manuscript.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

The manuscript was compared with the War Department, Corps of Engineers, Galveston Quadrangle, scale 1:25,000, edition of 1943, and was found to be in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U.S. Coast and Geodetic Survey Chart No. 520, scale 1:30,000, edition of 1945, corrected to 27 June 1949.

The sextant fix position of Galveston-Freeport Lighted Buoy No. 2 that was plotted on the manuscript does not agree with the position shown on the chart.

Items to be Applied to Nautical Charts Immediately

1 Wreck located at lat. 29° 19' 233 m. 886 H
long. 94° 49' 831 m.

2 Wreck located at lat. 29° 19' 326 m. 886 H
long. 94° 49' 1034 m.

3 Wreck located at lat. 29° 16' 1560 m. 886 H
long. 94° 50' 756 m.

Chart 520 being printed 9-29-49 #3 already added, others about next printing HB

Items to be carried forward

Five daybeacons are shown on chart 520 in Galveston Bay, west of Pelican Island. No field information was furnished regarding them. Their positions are not known in the compilation office and are not plotted on the manuscript.

Respectfully submitted
13 September 1949

Wayne L. Lineweaver
Cartographic Draftsman

Approved and forwarded
23 September 1949

Officer in Charge
Baltimore Photogrammetric Office

49. NOTES TO THE HYDROGRAPHER

The following are the recoverable topographic stations shown on the manuscript:

Control Tower (Galveston Municipal Airport)
Aero Beacon (Galveston Municipal Airport)

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-8943

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

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 alongshore 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. Orlosek — Reviewer; Joseph Steinberg — 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:

M-2661-12

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL ~~NONFLOATING~~ AIDS OR LANDMARKS FOR CHARTS

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

Baltimore, Maryland September 9, 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

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
~~TOWER~~ AERO	~~Galveston Airport Control Tower~~	886 Helmet	~~29 16~~	~~216~~	~~94 51~~	~~496~~	N.A. 1927	Rad.Plot T-8943	Oct. 1947				
~~BEACON~~	~~Galveston Airport Aero Beacon~~	886 Helmet	29 16	59	94 51	87	"	"	"				

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.

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~~ 13 July 19

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. Venasek~~

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	INTERCOASTAL WATERWAY	CHARTS AFFECTED
	See L-553 (1957)												
TOWER	MACKAY RADIO & TELEGRAPH CO., INC.	886 Helmer	29 18	1700	94 46	465	N.A. 1927	Sextant Fix	Oct. 1947	x	x	x	520, 1282 886
FLAG TOWER	U.S. WEATHER BUREAU	886 Helmer	29 19	1786	94 46	491	"	Radial Plot	"	x	x	x	"
STACK	YELLOW BRICK 200 FT. HIGH	886 Helmer	29 18	1318	94 46	1150	"	"	"	x	x	x	"
	T-8942												

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.

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 September 9, 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
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
LIGHT	Galveston to Freeport Range "A" Front	886 Helmer	29 18	709	94 51	317	N.A. 1927	Rad.Plot T-8943	Nov. 1947	x	x	x	520,1282 886
LIGHT	Galveston to Freeport Range "A" Rear	886 Helmer	29 18	587	94 51	872	"	"	"	x	x	x	"
DAYBEACON No. 12	Offatts Bayou	886 Helmer	29 16	1456	94 51	1282	"	Sextant Fix	Oct 1947	x	x	x	"
DAYBEACON No. 14	Offatts Bayou	886 Helmer	29 16	1712	94 51	888	"	"	"	x	x	x	"
DAYBEACON No. 16	Offatts Bayou	886 Helmer	29 16	1631	94 51	530	"	"	"	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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON~~FLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

~~Baltimore, Maryland~~ ~~9 September~~, 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
Joseph W. Vonasek

Thos. B. Reed
Chief of Party.

STATE	TEXAS															
			POSITION													
			LATITUDE			LONGITUDE										
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	'	D. M. METERS	°	'	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	INTRACOAST. WATERWAY CHARTS AFFECTED	
BUOY No. 1	Galveston-Freeport	886 Helmer	29	18	1140	94	49	1414	N.A. 1927	Sextant Fix	Oct. 1947	x	x	x	520, 1282 886	
" 2	Galveston-Freeport Lighted	886 Helmer	29	18	1251	94	49	1409	"	"	"	x	x	x	"	
" 3	Galveston-Freeport	886 Helmer	29	18	1057	94	50	198	"	"	"	x	x	x	"	
" 4	Galveston-Freeport	886 Helmer	29	18	1105	94	50	198	"	"	"	x	x	x	"	
" 5	Galveston-Freeport	886 Helmer	29	18	997	94	50	494	"	"	"	x	x	x	"	
" 6	Galveston-Freeport	886 Helmer	29	18	1043	94	50	509	"	"	"	x	x	x	"	
" 7	Galveston-Freeport	886 Helmer	29	18	906	94	50	917	"	"	"	x	x	x	"	
" 8	Galveston-Freeport	886 Helmer	29	18	960	94	50	908	"	"	"	x	x	x	"	
" 9	Galveston-Freeport	886 Helmer	29	18	842	94	50	1237	"	"	"	x	x	x	"	
" 10	Galveston-Freeport	886 Helmer	29	18	888	94	50	1272	"	"	"	x	x	x	"	
" 11	Galveston-Freeport	886 Helmer	29	18	794	94	50	1466	"	"	"	x	x	x	"	
" 12	Galveston-Freeport	886 Helmer	29	18	839	94	50	1525	"	"	"	x	x	x	"	
" 13	Galveston-Freeport	886 Helmer	29	18	768	94	51	49	"	"	"	x	x	x	"	
(14 out at inspection time; listed in 1949 LL List)																
" 15	Galveston-Freeport	886 Helmer	29	18	799	94	51	263	"	"	"	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.

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 ~~9 September~~, 19 49

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
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	INTRACOASTAL WATERWAY	CHARTS AFFECTED
Buoy No.16	Galveston-Freeport	886 c Helmer	29 18	838	94 51	231	N.A. 1927	Sextant Fix	Oct. 1947	x	x	x	520,1282 886
17	Galveston-Freeport	886 c Helmer	29 18	825	94 51	694	"	"	"	x	x	x	"
18	Galveston-Freeport	886 c Helmer	29 18	872	94 51	695	"	"	"	x	x	x	"
19	Galveston-Freeport	886 c Helmer	29 18	846	94 51	1131	"	"	"	x	x	x	"
(#20 out at inspection time; listed in 1949 Lt List.)													
21	Galveston-Freeport	886 c Helmer	29 18	876	94 51	1538	"	"	"	x	x	x	"
22	Galveston-Freeport	886 c Helmer	29 18	920	94 51	1534	"	"	"	x	x	x	"
1	Texas City Channel Lighted	886 c Helmer	29 20	1717	94 47	325	"	"	"	x	x	x	"
3	Texas City Channel	886 c Helmer	29 21	279	94 47	1064	"	"	"	x	x	x	"
5	Texas City Channel Lighted	886 c Helmer	29 21	619	94 48	152	"	"	"	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.

48. GEOGRAPHIC NAME LIST

Bayshore

Galveston
Galveston Bay
Galveston Channel
Galveston Island
Galveston Municipal Airport
Galveston Pleasure Pier
Gulf of Mexico

Horseshoe Bend

Intracoastal Waterway

Kinkead

Murdochs Pier

Offatts Bayou

Pelican Island

Names approved
8-22-50
a.j.W.

Review Report T-8943
Shoreline Survey
18 August 1950

62. Comparison with Registered Topographic Surveys

T- 282	1:20,000	1850	(no contours)
T- 328	"	1951	" "
T-4867	"	1933-4	" "
T-6052	1:10,000	" "	(graphic control)
T-6053	"	" "	" "

Spoil banks between Pelican Island and Texas City Channel were added to T-6052 as a part of the field inspection work. These spoil banks were transferred to manuscript T-8943 during review.

63. Comparison with maps of other Agencies

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

64. Comparison with Comtemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

520 1:30,000 February 1945, rev. September 1949
No comment.

66. Transmission and Telephone Lines, Pelican Island

Field inspection notes for the lines consist solely of the location of two "poles" at the west end of Pelican Island, with no indication of character. By using the USE quadrangle to help interpret the photographs, the lines on the manuscript have been revised to include only what seemed evident in the photographs. No trace of a transmission line extending northwestward nor of an extension of a telephone line along the north shore of the island could be found.

67. Accuracy

This manuscript complies with project instructions and is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

Approved by:

S. V. Griffith 2/26/52
Chief, Review Section, Div. of Photogrammetry

O S Reading
Chief, Division of Photogrammetry

H Edmonston
Chief, Nautical Chart Branch, Div. of Charts

Carl O Heaton
Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8943

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/21/50	886	Helmer	Before ~~After~~ Verification and Review
8/1/51	520	N.W. Burgoyne	Partially Applied - Critical info only
			~~Before~~ After Verification and Review
6/13/52	886	J.P. Walker	~~Before~~ After Verification and Review Completely applied
			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.