9293

Diag. Cht. No.1283

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-14(46) Office No. T-9293

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality SWAN LAKE TO RED FISH BAYOU

1947

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE June - 19-1953

8-1870-1 (1)

9293

DATA RECORD

T - 9293

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): (no date); Supplement 1, 22 July 1947
Letters dated 5 June 1947, 29 July 1947,
4 February 1949.

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.0000

Date received in Washington Office (IV): 8-1-49 Date reported to Nautical Chart Branch (IV): 8-9-49

Applied to Chart No. Date: Date registered (IV): 20 April 1953

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): KEG, 1934

Lat.: 28: 54'48.290" (1486.7m) Long.: 95° 20' 32.344" (876.2m) Adjusted ~~Unadjusted~~

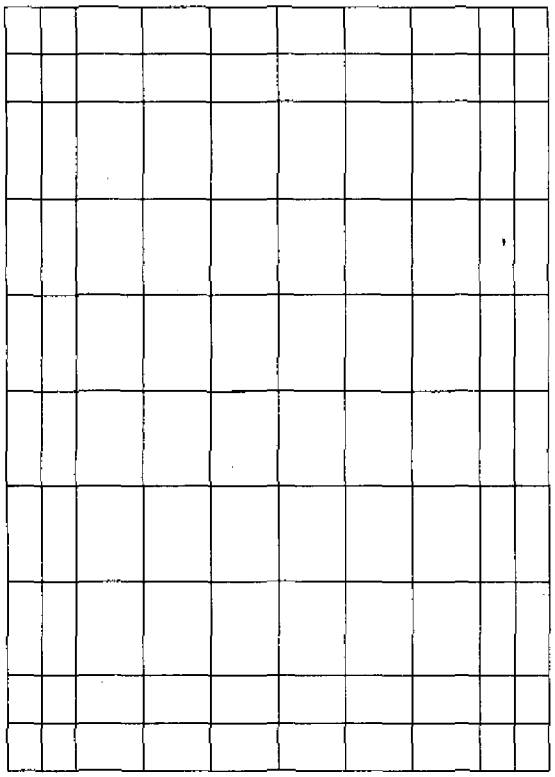
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

shoreline

DATA RECORD

Field Inspection by (II): Boynton Locke, Jr. Date: Nov. 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
Located on field photographs

Projection and Grids ruled by (IV): On original manuscript Date: 1934

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

Control plotted by (III): " Date: "

Control checked by (III): " Date: "

Radial Plot or ~~Stereoscopic Control extension~~ by (III): Frank J. Tarcza Date: March 1949

Stereoscopic Instrument compilation (III): Planimetry Date:

Contours Date:

Manuscript delineated by (III): Ruth R. Hartley Date: 4/8/49 - 6/14/49
6/29/49-7/7/49

Photogrammetric Office Review by (III): J.W. Vonasek Date: 7/14/49-7/22/49

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

MAP T-9293 PROJECT NO. PH-14(46) SCALE OF MAP 1:20,000 SCALE FACTOR none

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)
LIGHT, 1933 27	G-2122 P 25	N.A. 1927	28 59 54.554	~~30.786~~	~~5.446~~		1679.5	167.7		
			95 16 50.427	~~27.067~~	~~9.573~~		1364.9	259.1		
SOUTH DRUM POINT USE 1933										
CEDAR USE 1933										
~~STRAY 1933 4~~	~~G-2122 P 31~~	~~"~~	~~28 58 31.021~~		~~28.979~~		~~955.0~~	~~892.1~~	Removed from manuscript; see Review Report	
			~~95 16 44.886~~	~~27.074~~	~~15.114~~		~~1215.2~~	~~409.2~~		
OYSTER USE 1933										
LAKE USE 1933										
BEND 1933	G-2122 P 25	"	28 58 20.875		~~39.125~~		642.7	1204.5		
			95 18 07.496	~~27.074~~	~~52.504~~		202.9	1421.5		
JONES 1931	G-1252 Vol II p.141	"	28 58 08.434		~~51.566~~		259.6	1587.5		
			95 25 09.253	~~27.076~~	~~50.747~~		250.5	1374.0		
FREEPORT MUNICIPAL TANK, 1931	G-1252 Vol II p.156	"	28 57 02.803		~~57.197~~		86.3	1760.9		
			95 20 46.386	~~27.080~~	~~13.614~~		1256.1	368.7		
WELL USE 1931 12	G 1252 Vol II p.147	"	28 57 08.294		~~51.706~~		255.3	1591.8		
			95 17 10.027	~~27.080~~	~~49.973~~		271.5	1353.3		
COAST GUARD USE 1927										
BRAZOS RIVER LIGHTHOUSE 1897	G 1252 Vol II p.156	"	28 56 41.559		~~18.441~~		1279.4	567.7		
			95 18 30.051	~~27.081~~	~~29.949~~		813.8	811.1		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: J.W.Vonasek DATE 25 July 1949 CHECKED BY: Ruth R. Hartley DATE 28 July 1949

MAP T-9293 PROJECT NO. PH-14(46) SCALE OF MAP 1:20,000 SCALE FACTOR none

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)
VENUS USE 1927										
EAST FREEPORT	G-1252 Vol.II p.156	N.A. 1927	28 56 55.376				1704.8	142.4		
STAFFORD CHEM CO. TANK, 1931			95 20 11.755				318.3	1306.5		
MULE, 1934	G-2874 P 67		28 55 58.596		~~1.404~~		1803.9	43.2		
			95 24 39.307	~~27.084~~	~~20.693~~		1064.6	560.5		
WEST 2 USE 1931 12	G-1252 Vol.II p147		28 55 48.936		~~11.064~~		1506.5	340.6		
			95 18 37.906	~~27.085~~	~~22.094~~		1027.6	598.4		
KEG 1934	G-2874 P 67		28 54 48.290		~~11.710~~		1486.7	360.5		
			95 20 32.344	~~27.090~~	~~27.656~~		876.2	749.2		
SIGNAL USE 1934	G-2874 P 75		28 53 57.109		~~2.891~~		1758.2	89.0		
			95 22 08.554	~~27.093~~	~~71.446~~		231.8	1393.8		
LEVEE, 1934	G-2274 P 67		28 , 53 32.339		~~27.661~~		995.6	851.6		
			95 22 52.381	~~27.095~~	~~07.619~~		1419.3	206.4		

1 FT. = .3048006 METER

COMPUTED BY J.W.VONASEK DATE 25 July 1949 CHECKED BY Ruth R. Hartley DATE 28 July 1949

M-2388-12

Field Inspection Report
Shoreline Survey T-9293

Refer to the special reports for project Ph-14 (46), locality of Port Arthur, Texas, to Cedar Lakes, Texas; and Cedar Lakes, Texas to Aransas Pass, Texas, submitted by Ross A. Gilmore, Chief of Party, January 1948, filed in the Division of Charts as Chart Letter L-84(48) and Chart Letter L-150 (48) respectively.

PHOTOGRAMMETRIC PLOT REPORT

21. AREA COVERED

This radial plot covers that part of Survey T-9293 ~~which lies~~ from the area ~~between~~ west of the ~~(new)~~-Brazos River ~~and the mouth of~~ to Oyster Creek, along the Intracoastal Waterway, southwest of Galveston, Texas.

22. RADIAL PLOT

Map Manuscript. A red line print, on acetate, of Survey T-5362 (1934), at a scale of 1:20,000, was furnished by the Washington Office. All control was on the manuscript except Sub. Sta. MULE, 1934 which was established in 1947 and was plotted graphically on the map manuscript for this radial plot.

Photographs

The photographs used in this radial plot are all nine lens photographs, scale 1:10,000, taken with the USC&GS nine lens camera, focal length 8¼ inches. 8 photographs were used, numbered as follows:

18380 to 18384 incl.
18387 to 18389 incl.

All photographs were later reduced to a 1:20,000 scale for use by compilers but reductions of them were not available for use in the radial plot.

Preparation of Photographs

All identified control stations were added to photographs first and conjugate centers pricked. Before any pass points were pricked, photographs were compared with old red line survey for common detail points which appeared to remain unchanged since former survey was made. These common detail points were pricked and used as pass points and other pass points were added where needed to complete the radial plot.

The symbols for pass points and control stations used on the photographs are in accordance with Photogrammetry Instructions No. 12, dated 17 March 1947.

Templets

Vinylite templets were made from all nine-lens photographs using the master templet furnished by the Washington Office to correct for paper distortion and transforming errors. Since the map manuscript is at a scale of 1:20,000 and photographs at 1:10,000, it was necessary to make templets at 1/2 scale of photographs. This was done by taping templets to master templet, making proper adjustment in each chamber and drawing radial lines at a point about half-way toward the center.

22. RADIAL PLOT (Continued)

Closure and Adjustment to Control

The radial plot was laid on the red line acetate sheet since the primary purpose of the plot was to check the accuracy of detail of the old survey. Common detail points used in the radial plot and appearing to be the same points on the manuscript, were circled on the manuscripts with washable green ink before the plot was laid. Then templets were adjusted using control only to adjust each, wherever possible. All control stations were held and no difficulty was encountered in laying any of the templets. The areas east of Oyster Creek and west of Brazos River were not covered by the plot because there was no control in those areas. The plot was not extended beyond good fixes at each of the streams. There is no other red line sheet to the northeast, this area being covered by a shoreline survey T-8950 (1946) at a scale of 1:10,000. On the adjacent survey to the west there is not a satisfactory fix to which this plot could be extended.

Transfer of photogrammetric points

In the area of Big Bend of (Old)Brazos River there is considerable change in detail and no common points could be found on manuscript and photographs. Pass points used in this plot were transferred by pricking directly on back of manuscript on which the radial plot had been laid.

23. ADEQUACY OF CONTROL

There was abundant control within the area covered by the radial plot. All control stations identified by the field party were used and held.

24. SUPPLEMENTAL DATA

None used for radial plot.

25. PHOTOGRAPHY

The coverage and definition of photographs were adequate. No badly tilted photographs were found. The scale of photographs was 1:10,000 which is twice the manuscript scale. This involved additional work in making 1/2 scale templets but no unusual difficulty was encountered . Photographic reductions were later made of all photographs used.

26. The purpose of the radial plot was to check the accuracy of positions of detail on the old survey, completed about 1934. The positions of common detail points established by the radial plot checked the positions on the old Survey T-5362 within 0.2 mm or 0.3 mm in all cases noted. The positions of detail on the old survey are considered to be within the accuracy required and any changes and revisions can be made using common unchanged detail points as control for delineation. As mentioned previously, the area near Big Bend of Old Brazos River was devoid of common points. In this area

25. PHOTOGRAPHY (Continued)

pass point positions were transferred from the radial plot. However, with such abundant control available, these positions could have been established by the compiler by orienting photograph reductions with existing control stations and cutting in the points directly on the map manuscript.

A number of stations were not identified by the field inspection party. These stations are mainly in the area east of Oyster Creek where this plot was not extended due to lack of identified control. Since there was probably sufficient control in that area for the previous survey, it is believed that the accuracy in that area is adequate for using detail for control by the compiler in making revisions.

Respectfully submitted
26 July 1949.

Frank J. Tarcza
Cartographic Engineer

Approved and forwarded
29 July 1949

Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

COMPILATION REPORT

SURVEY NO. T-9293

This manuscript is one of a series of surveys in Project No. PH-14(46) and covers the area along the Intracoastal Waterway from ~~Drum Bay~~ Swan Lake to Red Fish Bayou, Texas. T-9293 is a revision of T-5362 (1934).

31. DELINEATION

The manuscript was delineated by graphic methods only.

The compilation was accomplished by holding the detail common to the red line print of T-5362 (1934) and to the photograph reductions and making any necessary changes. In some instances, common detail no longer existed and points had to be cut in. In general, it was more difficult, because of so many changes, to revise the red line print than to have compiled a new manuscript.

Field inspection of the interior was inadequate. In most cases, there was none at all.

North of East Union Bayou and in the vicinity of Velasco, the photographs were so clouded that it was impossible to finish all the detail in those areas.

Aids to navigation were not pricked on the photographs before they were reduced. The reduced photographs were much darker than the original making it difficult to prick the aids accurately. Positions verified during Review.

The manuscript has been revised only as far as photographic coverage would permit. A purple line has been shown on the manuscript as a limiting line of revision.

32. CONTROL

With the exception of the area west of Brazos River, the identification, density, and placement of horizontal control was adequate. In the excepted area, points of common detail were used to control the position of changes.

There is no information regarding seven horizontal and two vertical control stations shown on the red line print. See Review Report, Item 6.

33. SUPPLEMENTAL DATA

A negative of Topographic Survey 6610 (1937), scale 1:10,000, with the locations of floating aids to navigation at Freeport Entrance added by planetable survey in November 1947, was used to plot the aids. The buoys were transferred to the manuscript by taking cuts from the projection lines.

33. SUPPLEMENTAL DATA

The following were furnished as geographic name standards:

Lithographic copy of T-5362 (1934)
War Department, Corps of Engineers, U.S.Army, Freeport quadrangle, scale 1:31,680,Edition of 1943
Army Map Service, Jones Creek Quadrangle, scale 1:25,000 Edition of 1947.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is considered adequate, although some portions of the shoreline required careful office interpretation.. See Item 66 in Review Report.

Much change in the shoreline has occurred since the 1934 survey and there was little common detail to use as a guide for the new shoreline. Almost no original shoreline remains and new portions of the Intracoastal Waterway have been made.

Near the mouth of Oyster Creek and around Swan Lake, the field inspection shows the mean high water line with mud directly behind. ~~These areas have been shown on the manuscript as marsh to conform with the standard symbols~~. Replaced by mud symbol during review.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Three new landmarks were recommended by the field party. Two landmarks to be deleted were indicated on a chart section submitted by the 1947 field party in its special report.

Forms 567 for landmarks, nonfloating aids, and floating aids to navigation are attached to this report. The positions of the floating aids at Freeport Entrance were transferred from a negative of Topographic Survey 6610 (1937) on which the aids had been located by planetable methods in 1947. See Item 68 in Review Report.

38. CONTROL FOR FUTURE SURVEYS

Thirteen recoverable topographic stations shown on the original red line prints have been left on the manuscript. No information was furnished for these stations. Several stations were removed that no longer exist. See item 67 in Review Report

Forms 524 are being submitted for eight recoverable topographic stations, six recovered stations (which are also nonfloating aids to navigation) and one station that was lost.

39. JUNCTIONS

Junction to the west with Survey No. T-9291 has been made and is in agreement.

Junction to the east with Survey No.T-8950 (scale 1:10,000) has been made and is in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

Noncomment.

41. through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the following Army Map Service quadrangles, scale 1:25,000, editions of 1943, 1947.

Freeport, Texas, 6941 IV NE Series V882
Jones Creek, Texas 6941 IV NW Series V882
Cedar Lakes East, Texas, 6941 IV SW Series V882

The manuscript is in good agreement with the above quadrangles.

This manuscript has also been compared with previous Survey No. T-5362 (1934) of this Bureau.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart No. 593, scale 1:20,000, edition of January 1944 corrected to April 25, 1949.

Items to be applied to nautical charts immediately:

Wreck located at latitude 28°54.5'
longitude 95°21.8'

Items to be carried forward:
None.

Respectfully submitted;
Ruth R. Hartley
Cartographic Draftsman

Approved and forwarded 7/29/49
Officer in Charge
Baltimore Photogrammetric Office

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9293

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy _____ 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. Josephine Vonbeek — 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

41. REMARKS

1. The projection is the same as on the printed survey No. T-5362. There is no state grid on Survey T-9293.

5. No control stations were plotted. They were already printed on T-5362( ).

7,8,9. None of these features appear on the sheet.

13. No LWL was furnished.

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

August 14, 1950

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

The positions given have been checked after listing, by K. N. MAKI

S. V. GRIFFITH
Chief of Party.

STATE / 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
	Freeport Entrance Buoy 2	Appld to 887	28 55	762	95 16	1153		T-6610 Planetb.	1947				593 1283
	" " " 5	"	"	644	"	1218		"	"				"
	" " " 3	"	"	488	"	894		"	"				"
	" " " 1	"	"	237	"	388		"	"				"

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.

April 1945

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

August 14, 1950

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 K. N. MAKI

S. V. GRIFFITH

Chief of Party.

STATE / 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
	Freeport Entrance Center Range Front Daybeacon		28 55	1580	95 17	1448		T-9293 Radial Plot	1947				593 1283

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~RECOMMENDATION~~ LANDMARKS FOR CHARTS

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

August 11, 1950

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 K. N. Maki

S. V. Griffith
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
	Appld to 887 as C.G. Station No.219 Cupola, Velasco Coast Guard Sta. high	40 ft.	28 56	857	95 18	101	1927	Photo Plot T-9293	1947				593 1283
	Appld to 887 Freeport Municipal Water Tank	95 ft. high	28 57	86.3	95 20	1256.1	"	Triang. T-9293					"
	Appld to 887 East Freeport Stafford Chem. Co. Tank	95 ft. high	28 56	1704.8	95 20	318.3	"	"					"

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

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 July 11, 1949

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

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

Thos. B. Reed *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE			LONGITUDE									
			°	′	D.M. METERS	°	′	D.P. METERS							
TANK	Elev. steel green-134' high DOW CHEMICAL CO. plant "A"	DNL	28	56	899	95	19	768	N.A. 1927	Rad.Plot ~~T-9292~~ T-9293	1947	X	X		593 1283 887
TANK	Elev. steel green-134' high DOW CHEMICAL CO. Plant "A"		28	56	1412	95	19	483	"	"	"	X	X		" "
TANK	Elev. steel silver - 100' high VELASCO WATER TANK		28	57	1003	95	21	1151	"	"	"	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, 11 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 ~~(deleted from)~~ the charts indicated.

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

Thos. B. Reed *Chief of Party.*

STATE TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM							
			° ′	D.M. METERS	° ′	D.P. METERS								
	Freeport Entrance Lighted Buoy 2		28 55	1164.2 1166	95 17	364.2 368	N.A. 1927		Planetable T-6610	1947	x	x		887, 593 1283
	Freeport Entrance Buoy 4		28 55	996.29 992	95 16	1613.6 1617	"		"	"	x	x		"
	Freeport Entrance Buoy 7		28 55	794.97 789	95 16	1589.9 1592	"		"	"	x	x		"
	Freeport Entrance Buoy 9		28 55	966.89 971	95 17	426.0 427	"		"	"	x	x		"
	Brazos River Crossing Buoy 2A		28 53	1467	95 23	125	"		Rad Pld T-~~9292~~ T-9293	"	x	x		"
			Positions in pencil scaled directly from T-6610. Buoy & Lt. numbers changed See 1950 Lt. List.						Engr					

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 11 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 *(deleted from)* the charts indicated.

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

Thos. B. Reed *Chief of Party.*

STATE: TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° '	LAT. D.M. METERS	POSITION LONGITUDE ° '	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT. 1	Freeport Engrance 1		28 55	1203	95 17	~~686~~ 686	N.A. 1927	Rad.Plot ~~T-9292~~	1947	X	X		593 1283 887
DAYBEACON	Freeport Jetty Channel North Edge Range Front	✓	28 56	1174	95 18	576	"	T-9293 "	"	X	X		"
"	Freeport Jetty Channel South Edge Range Front	✓	28 56	1317	95 18	788	"	"	"	X	X		"
"	Freeport Jetty Channel South Edge Range Rear	✓	28 56	1451	95 18	905	"	"	"	X	X		"
"	Freeport Entrance North Edge Range Rear	✓	28 56	378	95 18	1100	"	"	"	X	X		"
"	Freeport Entrance Center Range Rear	✓	28 56	50	95 18	508	"	"	"	X	X		"
"	Freeport Entrance South Edge Range Front	✓	28 56	25	95 18	551	"	"	"	X	X		"
"	Freeport Entrance South Edge Range Rear	✓	28 56	296	95 18	1136	"	"	"	X	X		"
LIGHT	Brazos River Crossing 2	✓	28 53	1486	95 23	17	"	"	"	X	X		"
LIGHT	Brazos River Crossing 4	✓	28 53	1460	95 23	229	"	"	"	X	X		"
DAYBEACON	Freeport Entrance North Edge Range Front.	✓	21 56	106	95 18	~~516~~ 511	"	"	"				"

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.

GEOGRAPHIC NAMES

- Barge Canal
- Big Bend
- Brazos River
- Bryan Beach
- Bryan Cut
- Bryan Lake
- Bryan Mound

- Dow Chemical Co.

- East Union Bayou
- Essex Bayou

- Freeport
- Freeport Golf Club
- Freeport Terminal (Alamo Refining Co)
- Fresh Water Lake

- Gulf of Mexico

- Horseshoe Lake

- Intracoastal Waterway

- Jones Creek

- Lower Turning Basin

- Mud Pit

- Old Brazos River
- ~~Old Intracoastal Waterway~~
- Oyster Creek
- Oyster Creek Road

- Quintana
- Quintana Bend

- Red Fish Bayou

- Slop Bowl
- Surfside Beach
- Surfside Road
- Swan Lake

- The Jetties

- Upper Turning Basin

- Velasco

. Names approved
6-28-50
A.J.W.

Geographic names were taken from names standards furnished by the Washington Office.

Review Report T-9293
Shoreline Map
August 16, 1950

61. General Statement:

Shoreline survey T-9293 of 1:20,000 scale is one of 76 maps comprising the four parts of project Ph-14(46) covering the Intracoastal Waterway from Houma, Louisiana to Port Aransas, Texas. Part IV of Ph-14 extends from Freeport, Texas to Port Aransas, Texas and consists of fourteen sheets. T-9293 is one of these.

62. Comparison with Registered Topographic Surveys:

T-5362 ✓	1934				
T-6326	1935	1:10,000	T-375	1:20000	1852
T-6610	1937	1:10,000	T-412	1:20000	1853
T-6611	1937	1:20,000	T-2250	1:5000	1897
			T-2251	1:5000	1897

The above surveys are superseded by T-9293 for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Freeport, Texas (USE)	1942, '43	1:31,680
Jones Creek, Texas (USE)	1942, '43	1:31,680
Cedar Lakes, East, Texas (USE)	1942, '43	1:31,680
Christmas Point, Texas (USE)	1942, '43	1:31,680

All the above have been reprinted at scale 1:25000 in 1947.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

593 (latest correction date, 1949) 1:20,000
1283 (latest correction date, 1948) 1:80,000
"Brazosport" has been removed from the geographic name list.

The name "Stauffer Turning Basin" has been changed to "Upper Turning Basin". The former location of "Upper Turning Basin" is no longer named.

66. Adequacy of Results and Future Surveys:

Field inspection was adequate only in the immediate vicinity of the Intracoastal Waterway. T-9293 complies with project instructions and the National Standards of Accuracy.

67. Control:

All topographic stations carried over from T-5362 were searched for on the photographs. Those that were not located or that existed among copious control were deleted. Forms 524 have been submitted for all field and office recovered topo stations and are in the general files of the Division of Photogrammetry.

67. Control (continued)

All the triangulation stations listed on form M-2388-12 were field recovered and used in controlling the radial plot with the exception of the following: South Drum Point (USE) 1933; Coast Guard (USE) 1927; Cedar (USE) 1933; Oyster (USE) 1933; Lake (USE) 1933; and Venus (USE) 1927. There was no 1947 field recovery for these stations. Their positions were transferred to T-9293 as part of the red-line print of T-5362 which served as a base for this compilation. Although their geographic positions are unpublished they are available from the Division of Geodesy.

Station "Light (USE)" falls within the boundaries of this sheet. However it is not shown, but its unpublished position may be obtained from the Division of Geodesy. The Intracoastal Waterway has been widened in the vicinity of its junction with Oyster Creek. As a result, the position of triangulation station Stray, 1934 falls into the canal. Undoubtedly, the station is lost and consequently its manuscript position has been deleted.

68. Landmarks and Aids to Navigation: See #37

Four buoys were transferred from (T-6610) to T-9293 during review.

One day beacon (field located on photo 18389) was transferred to the manuscript.

Three landmarks were established during review.

The foregoing have been submitted on Forms 567.

Reviewed by:
Howard J. Murray
Howard J. Murray

Approved by:

S. V. Griffith
Chief, Review Section
Div. of Phtg.

B J Jones for
Chief, Div. of Photogrammetry

H. C. Edmonston
Chief, Navt. Cht. Branch, Div. of Charts

Carl S. Heaton
Chief, Div. of Coastal Surveys
XR7

NAUTICAL CHARTS BRANCH

SURVEY NO. 9293

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3-22-50	887	D.R. Engle	Before ~~After~~ Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			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.