

# 9211

ORIGINAL ✓

✓ [Signature]

9211

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No.	Office No. T-9211
Project Ph-36(48)E	
LOCALITY	
State	TEXAS
General locality	LAGUNA MADRE
Locality	PORT MANSFIELD
1952	
CHIEF OF PARTY	
George E. Morris, Jr., Chief of Party	
Hubert A. Paton, Baltimore Photo. Office	
LIBRARY & ARCHIVES	
DATE	MAR 31 1955

DATA RECORD

T - 9211

Project No. (II): Ph-36(48)E

Quadrangle Name (IV): South of Lopena Island, SW.

Field Office (II): Brownsville, Texas

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):  
14 February 1949  
8 June 1949  
26 July 1949  
28 July 1949  
26 Aug. 1949  
24 Feb. 1950

Copy filed in Division of  
Photogrammetry (IV)  
*Office Files*

Method of Compilation (III):  
Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV) *MAY 22 1951* Date reported to Nautical Chart Branch (IV): *MAY 29 1951*

Applied to Chart No. *896*  
*1117*

Date: *1-3-52*  
*12-4-51*

Date registered (IV): *10-6-52*

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

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): LEGION, 1939

Lat.: 26° 33' 30.314" (932.9m)

Long.: 97° 25' 37.945" (1050.2m)

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

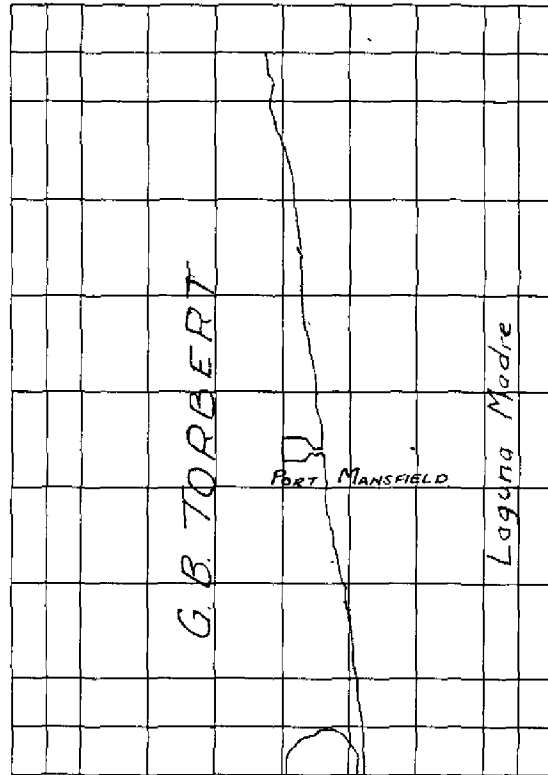
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



26° 31' 30"

97° 40' 00"



26° 30' 00"

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

97° 32' 30"

DATA RECORD

Field Inspection by (II): **G. B. Torbert**

Date: **June 1950**

Planetable contouring by (II): **G. B. Torbert**

Date: **June 1950**

Completion Surveys by (II): **W. H. Shearouse**

Date: **Jan 1952**

Mean High Water Location (III) (State date and method of location): **4 May 1950 by field inspection**

Projection and Grids ruled by (IV): **S.R.**

Date: **9/14/50**

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **F. J. Tarcza**

Date: **9/22/50**

Control checked by (III): **B. Wilson**

Date: **9/26/50**

Radial Plot or Stereoscopic

Date:

Control extension by (III): **F. Tarcza**

**10-18-50**

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): **J.B. Phillips**

Date: **4/16/51**

Photogrammetric Office Review by (III): **R. Glaser**

Date: **5/18/51**

Elevations on Manuscript  
checked by (II) (III): **R. Glaser**

Date: **5/18/51**



Camera (kind or source) (III): U.S.C. & G.S. 9 lens camera, focal length, 8.25"  
 Single lens camera, type 0, 6" focal length.

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
48-0-1285 to 48-0-1289 incl.	12-8-48	1232-1234	1:20,000		
48-0-1420 to 48-0-1422 incl.	12-8-48	1423-1424	1:20,000		
25741 <sup>ts</sup> -25743 incl.	5/4/50	1413	1:20,000	Tide Negligible	
48-0-1957 to 48-0-1965 incl.	12-9-48	1451-1454	1:20,000		

Tide (III)

~~Tide negligible~~  
 Reference Station: The mean range of tide is  
 Subordinate Station: less than 1/2 foot.  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): **Everett H. Ramey**

Date: **2 June 1952**

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **32 sq. miles**  
 Shoreline (More than 200 meters to opposite shore) (III): **25 miles**  
 Shoreline (Less than 200 meters to opposite shore) (III): **10 miles**  
 Control Leveling - Miles (II): **11.0**  
 Number of Triangulation Stations searched for (II): **18** Recovered: **18** Identified: **12**  
 Number of BMs searched for (II): **20** Recovered: **20** Identified: **20**  
 Number of Recoverable Photo Stations established (III): **7**  
 Number of Temporary Photo Hydro Stations established (III): **none**

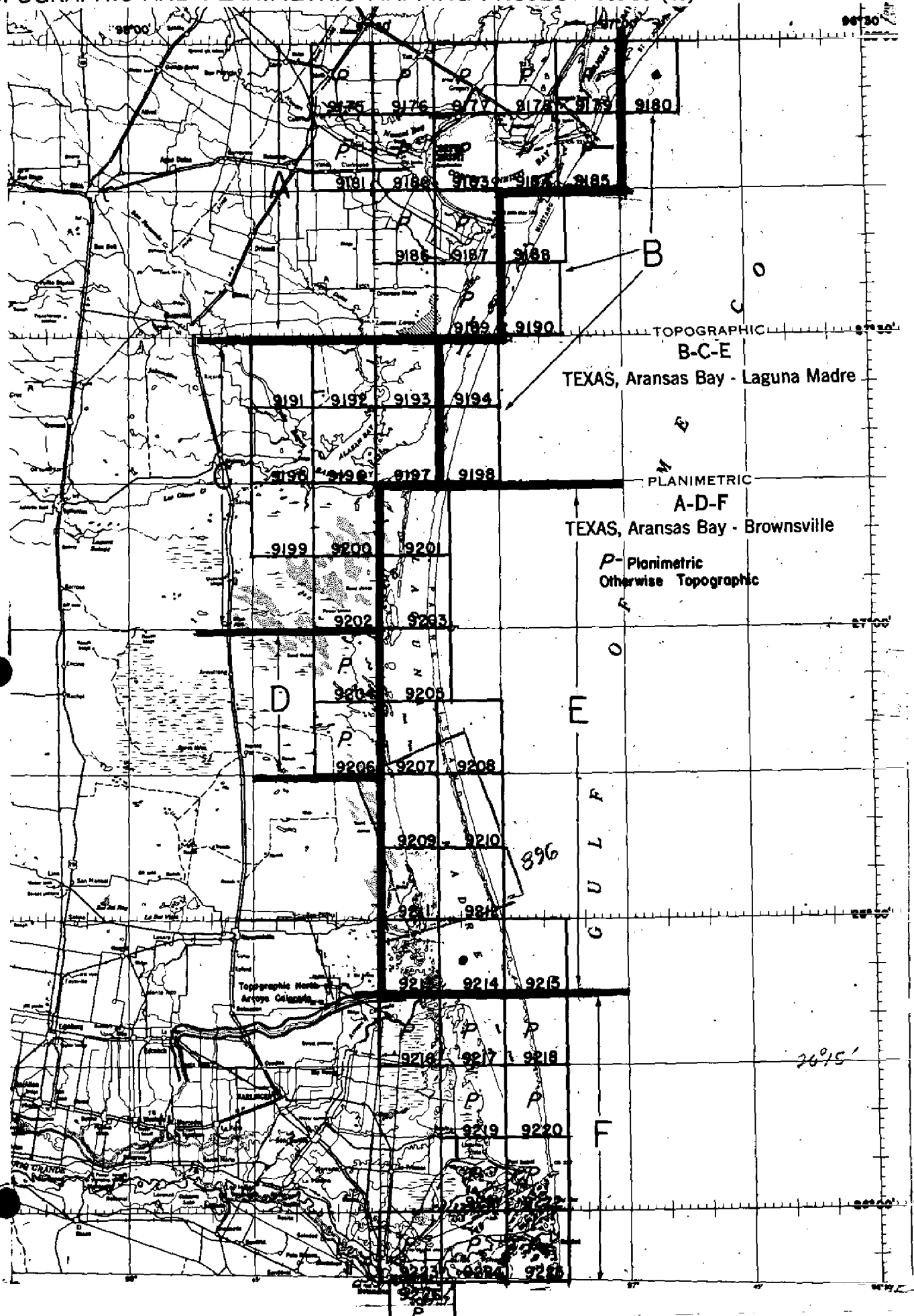
Remarks:

**Six triangulation stations outside of quadrangle limits.  
 One bench mark outside quadrangle limits.**

Six recoverable photo stations established by field party; one form 524 originates at the compilation office.



TOPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)





Summary T- 9211

Project Ph-36(48) consists of fifty-two quadrangles at 1:20,000, each 7.5 minutes in latitude and longitude, covering the Gulf Coast of Texas and the Intracoastal Waterway from Aransas Bay to Brownsville and the Mexican Border. Adjoining the project to the north is a series of shoreline surveys in Part IV of Project Ph-14(46).

Information concerning Ph-36(48) in its broader aspects will be included in a project completion report to be compiled at the conclusion of the review of all surveys in this project.

Twenty-six of the quadrangles in this project are topographic surveys and are to be published at 1:24,000 scale by the Geological Survey. The other twenty-six quadrangles are planimetric surveys. Of these, nineteen are to be used as bases by the Geological Survey for the compilation of 7.5 minute topographic quadrangles and will not be published as planimetric maps. The remaining seven, T-9175, T-9176, T-9177, T-9181, T-9189, T-9204, and T-9206, will be published as planimetric maps.

Cloth-backed lithographic prints of the original map manuscripts at compilation scale and the descriptive reports for all maps in this project will be filed in the Bureau Archives. Cloth-backed copies of the published topographic quadrangles at 1:24,000 scale will also be filed.

All special reports except the Geog. Names Report will be filed in the Project Completion Report.

## 2. AREAL FIELD INSPECTION

This quadrangle is located in Southeastern Texas, along the west side of Laguna Madre, in Willacy and Kenedy Counties. Cattle grazing on the Sauz Ranch and fishing in Red Fish Bay are the major industries. However, recently there has been a number of oil wells drilled and it is felt that this petroleum industry activity will increase.

The land formation is very irregular. It is comprised of a series of sand dunes along the western limits of the quadrangle, ranging in heights up to 65 feet, and diminishes to a series of intermittent ponds and mud flats in the east and southeastern parts of the quadrangle. The sand dunes are gradually moving in a northwestern direction, but are held back to a certain extent by a large area of oak and mesquite trees along the west limits.

One unincorporated town, Port Mansfield, is located on the west shore of Red Fish Bay, approximately in the center of the quadrangle. It is used as a port for small fishing boats.

Field inspection was done on 1:20,000 scale, single lens, ratio prints 48-0-1286, 48-0-1287, 48-0-1288, 48-0-1420, 48-0-1421, and one 1:20,000 scale, nine lens photograph No. 25742.

Photography for this project was of fairly recent date and no great difficulty was encountered in interpreting the photographs.

The tones of the photographs vary from a white through light gray, to dark gray, to black. The white tones are shifting sand dunes along the west limits as well as the sand and mud along the east and southeast sections of the quadrangle. The light gray and mottled tones are high grass covered dunes and ridges. The dark gray tones are wet or low, heavily grassed areas between the dunes. The heavy black areas are clumps of oak and/or intermittent ponds, although the latter may vary in tone from light gray through black.

## 3. HORIZONTAL CONTROL

There were six stations reported lost, LOMALTO 1879, SAUZ 1913, PI 274 USE 1939, PI 275 USE 1939, PTS NO 5 1920 USGS, PTS NO 8 1919 USGS.

In addition, six windmills, four within the quadrangle and two west of the project limits, were established, JULIAN WINDMILL 1949, PALMITAL N WINDMILL 1949, PALMITAL S WINDMILL 1949, AGUA GORDA S WINDMILL 1949, PERICO WINDMILL 1949, TANCA CARACITOS WINDMILL 1949. All these stations are inter-section stations and were identified. See "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado."

Horizontal control was identified on photographs: 48-0-1286, 48-0-1288, 48-0-1289, 48-0-1330, 48-0-1331, 48-0-1332, 48-0-1961.



#### 4. VERTICAL CONTROL

Eight USC&GS bench marks were recovered and identified: V 671, W 671, X 671, Y 671, Z 671, A 672, 271(USE), LEGION 1939. In addition, twelve USE bench marks were recovered and identified: BM 276, BM 279, BM 283, BM 288, BM 290, BM 293, BM 295, BM 298, BM 366, BM 372, BM 374, and BM 378. The datum was corrected from Mean Low Gulf by subtracting 1.02 feet from the elevations as determined by U. S. Engineers. This difference was established by this party in the vicinity of Corpus Christi, Texas, and is applied throughout the line on any USE monument that was recovered and used by this party. The inked elevations on the photographs are corrected to Mean Sea Level. *Discussed in more detail under §4, Descriptive Report T-9188*

Bench marks were identified on the following photographs: 48-0-1288, 48-0-1420, 48-0-1421, 48-0-1957, 48-0-1959, 48-0-1960, 48-0-1961, 48-0-1286.

For additional control, ten miles of fourth-order levels were run between BM Z 671 and BM 295(USE). An error of .40 foot was adjusted throughout the line. Six temporary bench marks were established, 11-01 through 11-06.

Vertical control was identified on photographs 48-0-1286, 48-0-1287, and 48-0-1288.

#### 5. CONTOURS AND DRAINAGE

Contouring was performed by standard planetable methods on single lens 1:20,000 scale, ratio prints 48-0-1286, 48-0-1287, 48-0-1288, 48-0-1420, and 48-0-1421.

In the areas immediately southeast of the sand dunes, where the grass has covered some of the dunes, contours are generalized to a certain extent. This is due to the cut-up nature of the area. The scale at which the contouring is performed is also a determining factor in the generalization of these areas.

#### 6. WOODLAND COVER

The woodland cover is a thick growth of oak along the north and west limits of the quadrangle. This growth is also found in isolated motts (clumps) throughout the area. Along the eastern section there are several ridges covered with a thick scrub growth.

Woodland cover was delineated in accordance with Photogrammetry Instructions No. 15, dated 16 June 1947.



7. SHORELINE AND ALONGSHORE FEATURES

See "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)." See § 14, this report

8. OFFSHORE FEATURES

There is a row of spoil banks along the east and west side of the Intracoastal Waterway. The elevations of these were determined by standard planetable methods. These spoil banks have greatly deteriorated since the date of photography and some have completely disappeared.

In Red Fish Bay, along the channel of the Intracoastal Waterway, the U. S. Engineers have left their reference piling. They are spaced every 1000 feet and protrude approximately five feet out of the water. They are in line with the lights. See § 51, this report

9. LANDMARKS AND AIDS

There are no landmarks for nautical charts, no interior landmarks, and no aeronautical aids.

For fixed aids to navigation, see "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado."\* Some of the fixed aids to navigation were located by single triangles. To provide a check on these positions, a cut was taken by theodolite from identifiable photograph points. The field observations, together with abstracts and lists of directions are submitted.

\* See § 14, this report.

10. BOUNDARIES, MONUMENTS, AND LINES

See "Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande." See § 14, this report

11. OTHER CONTROL

Six topographic stations were located by photogrammetric methods: BM 279 (USE), BM 290 (USE), BM 298 (USE), BM 366 (USE), BM 372 (USE), and BM 378 (USE).

12. OTHER INTERIOR FEATURES

All roads in the area have been classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947. All roads on the Sauz Ranch are private. Also for King Ranch. Etc

The buildings in Port Mansfield have been classified in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948.



There are no bridges or cables over navigable waters.

One small landing strip located on the west edge of Port Mansfield is capable only of handling small aircraft.

Due to the lack of cultural features, all fences have been delineated on the photographs.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-36(48), Baffin Bay to Port Mansfield (Red Fish Landing)." See § 14, below

The names of wells in Kenedy County were in agreement with "Map of Kenedy County, Texas, Showing Location of Water Wells."

The names of wells in Willacy County were affirmed by Mr. Bland Durham, foreman of Sauz Ranch.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA Also see § 51, this report

"Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado," forwarded to Washington Office 13 March 1950. \*

"Special Report, Geographic Names, Project Ph-36(48), Baffin Bay to Port Mansfield (Red Fish Landing)", forwarded to Washington Office 6 December 1949, filed in Geographic Names Section, Division of Charts.

"Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)", to be submitted at a later date. \*

"Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande", forwarded to the Washington Office 6 June 1950, filed in Geographic Names Section, Division of Charts

"Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande", forwarded to the Washington Office 8 June 1950. \*

Data, original, Supplemental Third Order Control and Aids to Navigation on letter of transmittal Ph-36 Field 56, dated 13 March 1950, to Washington.

Data, duplicate, Supplemental Third Order Control and Aids to Navigation on letter of transmittal Ph-36 Field 59, dated 27 March 1950, to Baltimore Office.

\* Reports filed in Division of Photogrammetry.



Data, Quadrangle T-9211(     ), letter of transmittal Ph-36 Field 75  
dated 20 July 1950.

Submitted  
18 July 1950

*Grover B. Torbert*  
Grover B. Torbert  
Cartographic Survey Aid

Approved  
20 July 1950

*George E. Morris, Jr.*  
George E. Morris, Jr.  
Chief of Party

MAP T- 9211 PROJECT NO. Ph-36(48) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\mu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
					FORWARD	(BACK)		FORWARD	(BACK)	
✓ LEGION, 1939	G-4304 P.126	N.A. 1927	26 33	30.314				932.9	913.7	
✓ TENERIAS ECC., 1949	Texas IV P.499	"	97 25	37.945				1050.2	610.4	
✓ PC 273, 1939 (USE)	Q-4304 P.129	"	26 30	13.912				428.1	1418.4	
✓ JULIAN WINDMILL 1949	Texas IV 519	"	97 29	38.487				1065.7	595.7	
✓ PALMITAL NORTH WINDMILL, 1949	"	"	26 33	12.636				388.9	1457.6	
✓ PALMITAL SOUTH WINDMILL, 1949	"	"	97 25	50.363				1394.0	266.7	
✓ AQUA GORDA SOUTH WINDMILL, 1949	"	"	26 30	36.126				1111.8	734.7	
✓ SUB. PT. LEGION, 1939	"	"	97 27	50.656				1402.7	258.7	
✓ SUB. PT. P.T.S. No. 6, 1919	"	"	26 35	15.666				482.1	1364.4	
✓ SUB. PT. P.T.S. No. 7, 1919	"	"	97 28	38.159				1055.9	604.4	
✓ SUB. PT. P.T.S. No. 8, 1919	"	"	26 35	15.646				481.5	1365.0	
✓ SUB. PT. P.T.S. No. 9, 1919	"	"	97 28	37.631				1041.3	619.0	
✓ SUB. PT. P.T.S. No. 10, 1919	"	"	26 33	03.62				111.4	1735.1	
✓ SUB. PT. P.T.S. No. 11, 1919	"	"	97 27	43.81				1212.7	448.1	
✓ SUB. PT. P.T.S. No. 12, 1919	"	"	26 33					927.7	918.8	
✓ SUB. PT. P.T.S. No. 13, 1919	"	"	97 25					982.1	678.5	
✓ SUB. PT. P.T.S. No. 14, 1919	"	"	26 30					1488.6	357.9	W. of map limits
✓ SUB. PT. P.T.S. No. 15, 1919	"	"	97 33					176.6	1484.7	W. of map limits
✓ SUB. PT. P.T.S. No. 16, 1919	"	"	26 33					1055.8	790.7	W. of map limits
✓ SUB. PT. P.T.S. No. 17, 1919	"	"	97 33					498.6	1162.1	W. of map limits
✓ SUB. PT. P.T.S. No. 18, 1919	"	"	26 31					1110.0	736.5	W. of map limits
✓ SUB. PT. P.T.S. No. 19, 1919	"	"	97 33					509.1	1152.1	W. of map limits
✓ SUB. PT. P.T.S. No. 20, 1919	"	"	26 33					288.6	1557.9	W. of map limits
✓ SUB. PT. P.T.S. No. 21, 1919	"	"	97 33					86.7	1574.1	W. of map limits

1 FT. = 3048008 METER  
 COMPUTED BY: L.A. Senasack  
 DATE: 8-14-50  
 CHECKED BY: F.J. Tarcza  
 DATE: 8/14/50  
 M-2388-12



MAP T. 9211 PROJECT NO. Ph-36(48) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
SUB. PT. PERICO WINDMILL 1949		N.A. 1927	26	35				761.8	1084.7	<i>W. of map limits</i>
SUB PT TANCA		"	97	31				1339.5	320.7	
CARACITOS WIND-MILL, 1949		"	26	34				775.1	1071.4	<i>W. of map limits</i>
SUB.PT.PALMITAL WINDMILL, 1949		"	97	33				472.2	1188.2	
SUB.PT. TENERIAS		"	26	35				414.3	1432.2	
ECC. 1949		"	97	28				1031.2	629.1	
CORPUS CHRISTI-PORT ISABEL	Texas Coast P.178	N.A. 1927	26	30				315.1	1531.4	
LT. 270, 1949		"	97	29				1088.6	572.8	
LT. 275, 1949		"	26	35	32.90			1365.4	481.1	
LT. 282, 1949		"	97	24	28.36			1571.5	88.4	
LT. 284, 1949		"	26	33	49.48			1012.5	834.0	
LT. 287, 1949		"	97	24	25.52			784.7	875.5	
LT. 294, 1949		"	26	33	11.93			1522.8	323.7	
LT. 294, 1949		"	97	24	23.31			706.3	954.3	
LT. 294, 1949		"	26	32	24.87			367.2	1479.4	
LT. 294, 1949		"	97	24	16.12			645.2	1015.5	
LT. 294, 1949		"	26	30	39.03			765.4	1081.1	
LT. 294, 1949		"	97	23	33.46			446.2	1214.7	
LT. 294, 1949		"	26	30	39.03			1201.1	645.4	Page 13
LT. 294, 1949		"	97	23	33.46			926.5	734.9	
LT. 294, 1949		"	26	30	39.03			388.6	1957.9	
LT. 294, 1949		"	97	29	27.983			774.8	886.6	

1 FT. = 3048006 METER COMPUTED BY: L.A. Senasack J.W. Vonasek DATE: 8-11-50 8-9-50 CHECKED BY: F.J. Tarca J.A. Senasack DATE: 8-11-50 8-11-50 M. 2388-12



COMPILATION REPORT

T-9211

PHOTOGRAMMETRIC PLOT REPORT

See descriptive report for T-9215

31. DELINEATION

Graphic methods were used for delineation.

Field inspection was incomplete as to the limits of intermittent ponds and the stream in the southwest corner of the manuscript.

32. CONTROL

The identification, density, and placement of horizontal control were adequate.

33. SUPPLEMENTAL DATA

1. Corps of Engineers, South of Lopena Island, Texas, quadrangle  
County boundaries  
Geographic names
2. U. S. Geological Survey, Tarida Ranch quadrangle  
Road objectives
3. Corps of Engineers, Fernando, Texas quadrangle  
Road objective
4. Chart No. 1287  
Geographic names
5. Chart No. 1288  
Geographic names

34. CONTOURS AND DRAINAGE

Occasional contours were carried through the shifting sand dune areas by the field party; however, these contours have not been delineated on the manuscript, but have been dropped at the edge of these sand dune areas. Delineation of contours was made from the 1948 single lens photographs, while sand dune areas, etc. were taken from 1950 nine lens photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection by the field party was adequate. Low water lines are based on inspection furnished by the field party during the 1950 season.

36. OFFSHORE DETAILS

See item 49.



37. LANDMARKS AND AIDS

Form 567\* is being submitted to report the geographic positions of six non-floating aids to navigation along the Intracoastal Waterway channel.

\* Copy attached

Chart Letter 921 (50)

38. CONTROL FOR FUTURE SURVEYS

Forms 524\* are being submitted for six recoverable topographic stations. These stations are listed in item No. 49.

\* Filed in General Files, Div. of Photogrammetry.

39. JUNCTIONS

Junctions have been made and are in agreement with the following:

- To the north: T-9209
- To the east: T-9212 (all water)
- To the south: T-9213
- To the west: No contemporary survey

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. Spoil areas on the 1950 photographs are much less apparent than on earlier (1948) single lens photographs. See field report item No. 8. Spoil areas and Intracoastal Waterway Channel should be completed by the field edit party. See 568, this report

42-45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

T-9211 has been compared with Corps of Engineers U. S. Army, South of Lopena Island quadrangle, Texas. Scale: 1:62,500, edition of 1930.

47. COMPARISON WITH NAUTICAL CHARTS

T-9211 has been compared with USC&GS nautical chart No. 1288, scale

47. COMPARISON WITH NAUTICAL CHARTS (continued)

1:80,000, published 3-6-50 and corrected to 3-20-50; also USC&GS nautical chart No. 1287, scale 1:80,000, published 10-17-49 and corrected to 3-20-50.

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted  
16 April 1950

Jacqueline B. Phillips  
Jacqueline B. Phillips  
Cartographic Draftsman

Approved and forwarded  
24 May 1951

Hubert A. Paton  
Hubert A. Paton  
Comdr., C&GS  
Officer in Charge



48. GEOGRAPHIC NAME LIST

- Cabasenios Well (windmill)
- Dave Dear Windmill \*
- El Sauz Island
- Farm Road 497
- Four Mile Slough
- Intracoastal Waterway
- Kenedy County
- King Ranch
- Laguna Madre
- Lava Manos Windmill \*
- Port Mansfield
  
- Red Fish Bay
  
- Sausel Windmill
  
- Willacy County

Unconfirmed Names

~~Morris Ranch~~

E Sauz Ranch

Additional windmill names in the area of this survey may be found on control form M-2388-12.

Agua Forda Well  
Julian Well  
Palmital Well

\* Shown as well (Windmill) on map in order to maintain consistency. EHR

Names approved

7-17-51

a.j.w.

Re-checked.  
6-2-52.



49. NOTES FOR THE HYDROGRAPHER

Recoverable topographic stations on manuscript:

BM 279 (USE) 1950  
BM 290 (USE) 1950  
BM 298 (USE) 1950  
BM 366 (USE) 1950  
BM 372 (USE) 1950  
BM 378 (USE) 1950  
LEGION AZ. MK. 1939, 1950

Spoil piles along the Intracoastal Waterway have not not been delineated on the manuscript because of the statement in the field report reporting their deterioration since the date of photography.

*See § 67 This report*



## Field Edit Report, T-9211

51. Methods.--To make a thorough ground comparison, all roads and trails were ridden out. The classification of each was checked and all natural and cultural features compared with the compilation. Shoreline and offshore features were verified from a small boat or by walking near the water's edge. At the same time, questions raised by the reviewer were answered after the necessary investigation or study of the feature was made.

Corps of Engineer reference line piles parallel the Intracoastal Waterway and mark the entrance channel to Port Mansfield. A blue print\* was obtained from the Engineer Office at Brownsville, Texas. A field check was made and the piles that have been destroyed x'd off in red on the blue print. Coordinates of key stations are also furnished, from which it is believed the intermediate piles can be plotted. *Coordinates attached to this report.*

\* Filed under T-9211 in Div. of Photogrammetry

Deletions, additions and corrections were made on the Field Edit Sheet or the photographs. Where made on the photographs, reference to the photograph number was noted on the Discrepancy Print. Photographs used were: 48-O-1286, 25741 and 25742.

Additions and corrections were made in purple ink; deletions in green.

52. Adequacy of compilation.--The compilation appears to be very good and will be adequate after application of field edit information.

53. Map accuracy.--From points used to take-off and tie-in with the planetable the horizontal accuracy of the map detail appears excellent.

Contours were tested in four places for a total of approximately 75 points. These tests began and ended vertically at bench marks. Error of closure did not exceed 0.5 foot and no adjustments were made. Horizontal origin in three instances was at well defined road intersections and one was at the intersection of a fence and shoreline. All points tested proved the contours to be very good horizontally and vertically and well within standard accuracy requirements. The tests were made directly on the Field Edit Sheet.

54. Recommendations.--No recommendations are offered.

55. Examination of proof copy.--It is recommended that the proof copy of the map be sent to Mr. Bland Durham, Route 1, Raymondville, Texas for examination. Mr. Durham is Foreman of El Sauz Ranch, within which practically all the quadrangle lies. He has agreed to make the examination and it is believed he is qualified to do so.

Geographic names.--The name LAVA MANOS WINDMILL is recommended for charting. It is for a new windmill and was furnished by Mr. Durham, the ranch foreman. The windmill was located by planetable on the Field Edit Sheet. No discrepancies were noted in charted names.



56. Precinct lines.<sup>\*</sup>---There was a question about the Precinct lines in Willacy County. Copies of County Commissioner meetings held subsequent to the Minutes furnished in the original Boundary Report are furnished to clarify the lines.

Precinct boundaries in Kenedy County have recently been changed. A map of the county is included with the data for this quadrangle, which shows the new lines. Also a certified copy of the County Commissioner meeting Minutes to substantiate the lines as drawn on the map of the county.

\* Lines not mapped. *SHR*

Respectfully submitted,  
9 January 1952

*William H. Shearouse*  
William H. Shearouse,  
Cartographer



Return to T-9211

COORDINATES OF "KEY" STATIONS FOR THE PLOTTING OF REFERENCE LINE FILES  
ALONG THE ENTRANCE CHANNEL TO PORT MANSFIELD AND THE INTRACOASTAL WATERWAY

QUADRANGLES T-9207, T-9209, T-9211, and T-9213

PORT MANSFIELD CHANNEL

Note: The numbers 1, 2, etc., refer to yellow numbers, in pencil, on blue print,

filed under T-9211, Div. of Photo-grammetry S.M.R.

NORTH CURVE:

R/L P. T. No. 2 (-200' R/L)

Plotted & checked Akers

X = 2,355,618.98 ft. ✓  
Y = 325,832.07 ft. ✓

Sta 249.79.99

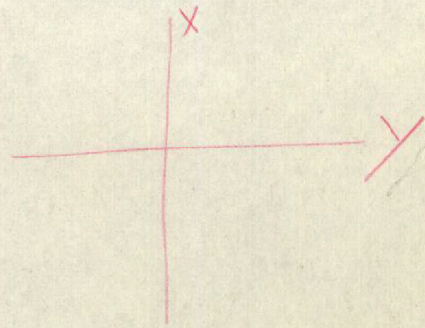
Nos. 1, 2 & 3 are at Red Fish Landing Channel Port Mansfield

R/L P. C. No. 2 (-200' R/L)

Plotted & checked Akers

X = 2,357,202.36 ft. ✓  
Y = ~~325~~ 601.75 ft. ✓  
327

Sta -206 + 933.91



SOUTH CURVE:

R/L P. C. No. 1 (-200' R/L)

Plotted & checked Akers

X = 2,357,431.84 ft. ✓  
Y = 323,828.55 ft. ✓

Sta 203 + 153.73

R/L P. I. No. 1 (∠ 200' R/L) (Intersection R/L of Red Fish Landing Channel and R/L Intracoastal Waterway)

X = 2,357,704.34 ft. ✓  
Y = 325,936.98 ft. ✓

Plotted & checked Akers

R/L P. I. No. 3 (∠ 200' R/L)

Plotted & checked Akers

X = 2,351,623.58 ft. ✓  
Y = 325,631.07 ft. ✓

ALONG INTRACOASTAL WATERWAY

R/L P. I. No. 6 (∠ 200' R/L)

Plotted & checked Akers

X = 2,358,121.93 ft. ✓  
Y = 319,070.62 ft. ✓

No 6 South of Red Fish Chan.  
No 7 North " " " "

R/L P. I. No. 7 (∠ 200' R/L)

Plotted & checked Akers

X = 2,356,966.38 ft. ✓  
Y = 338,070.50 ft. ✓

2/1/11  
© FILE  
(STA 288+000 USE)



THE FOLLOWING "STATIONS" REFER TO STATION NUMBERS ALONG THE  
INTRACOASTAL WATERWAY AS SHOWN ON BLUE PRINT.

9211

Station 228/000 (200' R/L)

X= 2,353,649.32 ft.  
Y= 348,203.14 ft.

Plotted by JC  
Checked by BKuro

Station 238/000 (200 R/L)

X= 2,350,538.15 ft. ✓  
Y= 357,706.86 ft. ✓

Station 248/000 (200' R/L) ✓

X= 2,347,426.99 ft. ✓  
Y= 367,210.57 ft. ✓

9209

Station 258/000 (200 R/L) ✓

X= 2,344,315.82 ft. ✓  
Y= 376,714.29 ft. ✓

Station 268/000 (200 R/L) ✓

X= 2,341,746.93 ft. ✓  
Y= 386,343.78 ft. ✓

Plotted by BKuro  
Checked by A. Queen

9207

Station 278/000 (200' R/L) ✓

X= 2,339,640.38 ft. ✓  
Y= 396,119.38 ft. ✓

Station 288/000 (200 R/L) ✓

X= 2,337,533.84 ft. ✓  
Y= 405,894.99 ft. ✓

Plotted by BKuro  
Checked by A. Queen







50-

## PHOTOGRAMMETRIC OFFICE REVIEW

T-9211

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

## CONTROL STATIONS

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

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads h 28. Buildings h 29. Railroads \_\_\_\_\_ 30. Other cultural features h

## BOUNDARIES

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

## MISCELLANEOUS

33. Geographic names h 34. Junctions h 35. Legibility of the manuscript h 36. Discrepancy overlay h 37. Descriptive Report h 38. Field inspection photographs h 39. Forms h

40. Raymond Glaser Reviewer Joseph Steinberg 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:



REVIEW REPORT  
Topographic Map T-9211  
2 June 1952

62. Comparison with Registered Topographic Surveys:

T-1477                      1:20,000                      1879-80

Survey T-9211 is to supersede this prior survey for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

South of Lopena Island Quadrangle (C.ofE.) 1:62,500 1930

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

1287                      1:80,000                      1941 corr. to 51-3/5  
1288                      "                                      1941 corr. to 51-3/5

Corrections made on the map manuscript resulting from the field edit and review are shown in red.

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with project instructions.

67. Offshore Features: (Reference item 41)

Some spoil areas were positioned during the field edit and are shown in red on the manuscript.

68. Shoreline:

For a more comprehensive discussion of shoreline refer to copies of correspondence filed with the Descriptive Report for T-9214.

Reviewed by:

Everett H. Ramey  
Everett H. Ramey

Approved:

L. C. Land                      27 Dec 1954  
Chief, Review Section  
Division of Photogrammetry

V. M. Edmonson  
Chief, Nautical Chart Branch  
Division of Charts 6FJ

Max H. Kettles  
Chief, Div., Photogrammetry

Earl O. Heaton                      JB  
Chief, Div., Coastal Surveys



HYDROGRAPHIC INFORMATION  
QUADRANGLE T-9211

Hydrography was applied to the map manuscript of this quadrangle in accordance with Division of Photogrammetry general specifications dated 18 May, 1949.

Depths in feet and a depth curve at 6 feet, mean low water datum, originate with the following sources:

USC&GS Nautical Chart 896 1:40,000 1952  
USE Blueprint I.W.W. 1175-39 1:10,000 1948

Hydrography was checked by C. B. Samuel after compilation by

C. Theurer  
Division of Photogrammetry  
16 June 1952



