

9205

"ORIGINAL"

9205

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. _____ Office No. T-9205
Project Ph-36(48)E

LOCALITY

State TEXAS

General locality LAGUNA MADRE

Locality ~~TORO ISLAND~~ EL TORO

1952

CHIEF OF PARTY
George E. Morris, Jr., Chief of Party

LIBRARY & ARCHIVES

DATE MAR 31 1955

DATA RECORD

T 9205

T -9205

Project No. (II): **Ph-36(48)E** Quadrangle Name (IV): *Lopena Island, NW*

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) **JAN 9 1951** Date reported to Nautical Chart Branch (IV): **JAN 15 1951**

Applied to Chart No. **895** Date: **12-28-51** Date registered (IV): **10-8-52**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N. A. 1927**

Vertical Datum (III): **M.S.L.**

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): **LAGUNA, 1939**

Lat.: **26° 53' 09.045"** 278.4m Long.: **97° 22' 18.098"** 499.5m Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: **Texas**

Zone: **South**

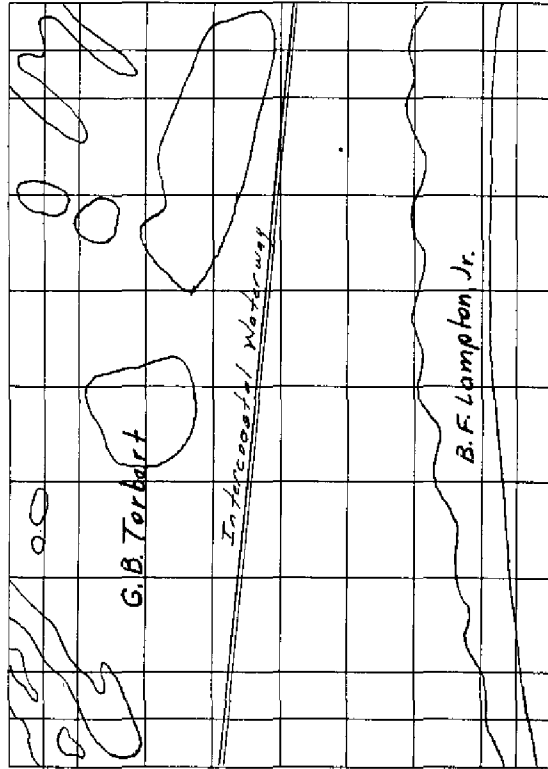
Y=

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.

27° 00' 00" 97° 30' 00"



27° 52' 30"

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

97° 21' 00"

DATA RECORD

Field Inspection by (II): **W. H. Nelson**
B. F. Lampton, Jr.
G. B. Torbert

Date: **Nov & Dec 1949**
November 1949
March & July 1950

Planetable contouring by (II): **G. B. Torbert**
B. F. Lampton, Jr.

Date: **March & July 1950**
December 1949

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

Date: **Jan 1951**

Mean High Water Location (III) (State date and method of location): **May 1950 -**
Shoreline of Gulf of Mexico by office interpretation (confirmed by field edit) ^{EMR}
Storm W.L. of Laguna Madre by field inspection

Projection and Grids ruled by (IV): **T.L.J.**

Date: **4/21/50**

Projection and Grids checked by (IV): **H.D.W.**

Date: **4/25/50**

Control plotted by (III): **L. A. Senasack**

Date: **8/15/50**

Control checked by (III): **F. J. Tarca**

Date: **8/23/50**

~~Radial Plot or Stereoscopic~~
~~Control extension~~ by (III): **F. J. Tarca**

Date: **9/13/50**

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Date:

Date:

Manuscript delineated by (III): **R. R. Hartley**

Date: **12/5/50**

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

Date: **1/3/50**

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

Date: **1/3/50**

U.S.C.&G.S. nine lens camera, focal length, 8 $\frac{1}{2}$ inches.
 Camera (kind or source) (III): Single lens camera, type O, 6 inch focal length.

PHOTOGRAPHS (III)					
Number	Date	Time	Scale	Stage of Tide	
48-0-1245 to 48-0-1248 incl	12-8-48	1219	1:20,000	Tide negligible	
48-0-1278	"	1228	"		
48-0-1558 to 48-0-1565 incl	12-9-48	1112	"		
48-0-1885 to 48-0-1892 "	12-9-48	1407	"		
25748 to 25750 "	5-4-50	1420	"		
25782 to 25784 "	5-4-50	1515	"		
		Tide (III)	Gulf	at or near hw EHR	

Reference Station: Galveston, Tex.

Subordinate Station: Aransas Pass

Subordinate Station: Brazos Santiago

The mean range of tide in the Laguna Madre is less than $\frac{1}{2}$ foot

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

Ratio of Ranges	Mean Range	Spring Range
	1.0	
1.1	1.1	
0.9	0.9	

Date: 6 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):

31 square miles

Shoreline (More than 200 meters to opposite shore) (III): 32 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 12 statute miles

Control Leveling - Miles (II): 8.9

Number of Triangulation Stations searched for (II): 13

Recovered: 6

Identified: 4 *

Number of BMs searched for (II): 6

Recovered: 6

Identified: 6

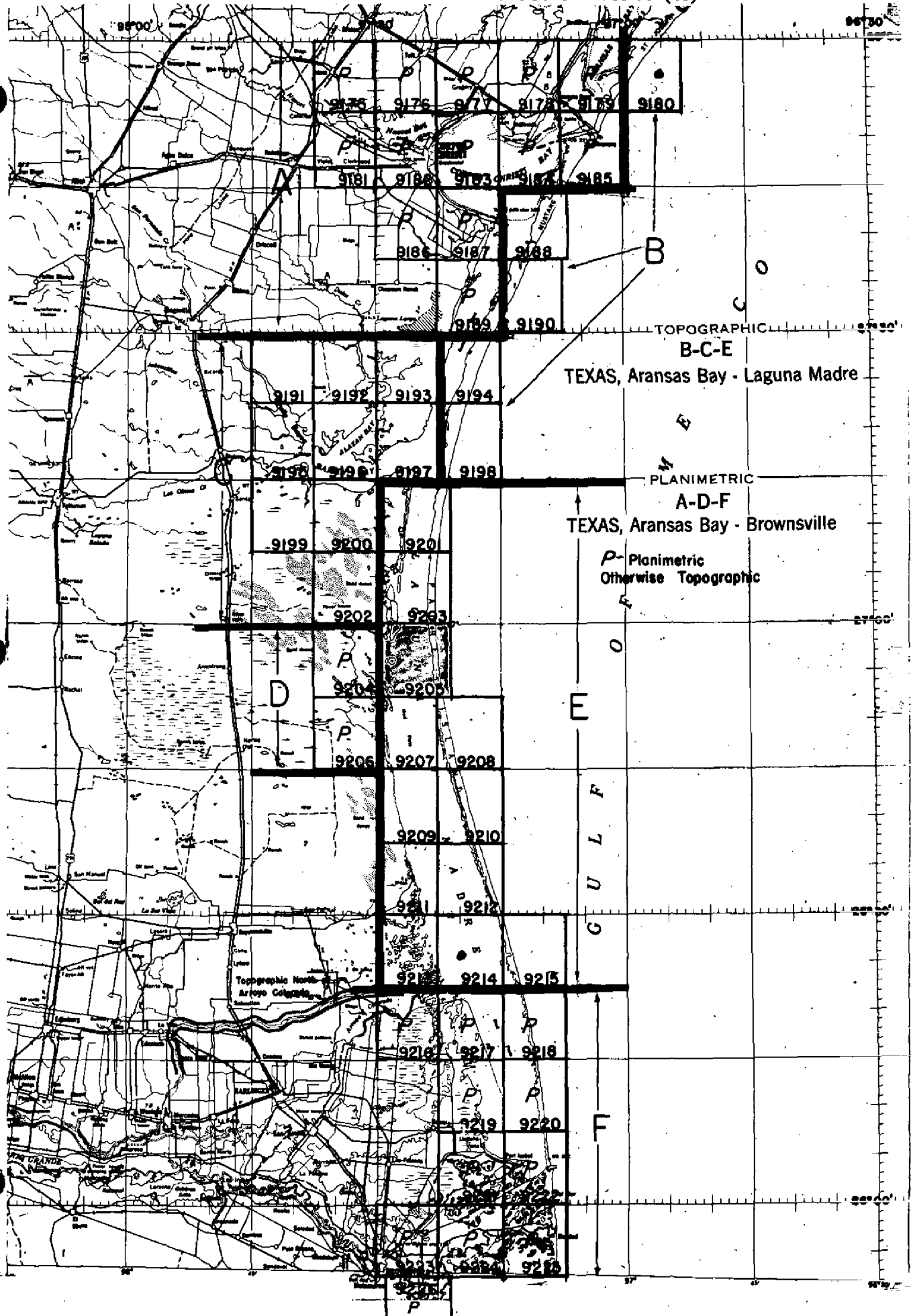
Number of Recoverable Photo Stations established (III): 2

Number of Temporary Photo Hydro Stations established (III): none

Remarks:

* 6 triangulation stations were identified

TOPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)



TOPOGRAPHIC
B-C-E
TEXAS, Aransas Bay - Laguna Madre

PLANIMETRIC
A-D-F
TEXAS, Aransas Bay - Brownsville

P - Planimetric
O - Otherwise Topographic

G
U
L
F

Summary T- 9205

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.

AERIAL
2. AREAL FIELD INSPECTION

This area, with the exception of ^{El Toro S.M.R.} ~~Toro~~ Island and parts of Mesquite Rincon, Dopena, Banberia, Calabaza, and Padre Islands, is a portion of an area known locally as the "mud flats". At one time this was covered by the Laguna Madre but is now above mean high water, covered only under certain meteorological conditions.

Cattle are grazed over the grass covered potreros, or islands, and is the chief industry of the area although extensive petroleum exploration work has been done but no producing wells exist.

The Intracoastal Waterway has been dredged across the area from north to south.

In the northern portion of Padre Island, there is a sand and shell beach along the Gulf of Mexico, paralleled by a ridge of partially grass covered sand dunes. Sand from these dunes has spilled over into the grassy flats to the west in many places in the northern part of this section, and covers more than half the island in the southern part. The western part is a grass covered area consisting of flats and low dunes. To the west of this, there are sand flats extending into the Laguna Madre, with a few small grass covered islands. In the south and central portions of the quadrangle, the Gulf beach is paralleled by a ridge of partially grass covered dunes that are fairly stable. To the west of the ridge is a low but rugged grassy area. To the west of this there is an area of shifting sand dunes. West of this there are sand flats extending into the Laguna Madre. The flats contain numerous islands of shifting sand dunes. There are a number of places where the sand flats extend entirely through the island except for the Gulf beach.

West of Padre Island no difficulty was encountered in interpreting the photographs and the quality of the photographs was adequate. Two tones predominated; white and gray (light and dark). The white and light gray is mud and sand. The darker gray with the mottled tones are the numerous potreros, or grassy islands, which range up to twelve feet above the "mud flats". The darker gray tones are small grassy low areas, usually wet during the rainy seasons. The intermittent ponds vary in tone from white to dark gray, depending on the formation found on the bottom of the pond.

The Gulf beach appears white on the photographs. The ridge of dunes along the beach appears as numerous dark dots except in the few spots where sand has not spilled through. In these places the dunes are almost indistinguishable from the grassy flats to the west except under a stereoscope. The grassy area appears dark and mottled. The grass covered dunes in this area are difficult to distinguish from the flats except under a stereoscope. The sand flats appear smooth gray. The islands are dark, sometimes bordered by a white sandy beach. The shifting sand dunes are white. The darker gray tone in these areas are flat depressions between the dunes. The sand flats are smooth gray. The islands in the flats are white, sometimes containing dark dots of grass.

At the time of field inspection, there was no water in the Laguna Madre that fell in any portion of the photographs covering Padre Island, (48-0-1558 through 48-0-1565).

Interior field inspection was done on 1:20,000 scale single lens photographs 48-0-1245, 48-0-1248, 48-0-1558 through 48-0-1565, each 1 of 2; and 48-0-1889.

3. HORIZONTAL CONTROL

Two fixed aids to navigation, CORPUS CHRISTI-PORT ISABEL LT 218 1949 and CORPUS CHRISTI-PORT ISABEL LIGHT 219 1949, and MON NO 13(USE) 1949 were located with third-order accuracy. See "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado."

AVOCA 2 1913, WINDMILL 1913, GOAL 1938, BEAT 1913, CORRAL 1939, SINK 1939, and PLANK 1939 were reported lost.

Horizontal control was identified on 1:20,000 scale single lens photographs 48-0-1247, 48-0-1558 2 of 2, 48-0-1565 2 of 2, and 48-0-1886.

4. VERTICAL CONTROL

~~Five~~ ^{Four} USE bench marks were recovered and used for control of contouring in all the area except Padre Island. They are ~~BM 198 USE~~, BM 200 USE, BM 201 USE, AVOCA RM NO 2, and BM 13 USE. A correction of -1.02 feet was applied to place these elevations on Mean Sea Level Datum of 1929. *

* Discussed in more detail under §4 Descriptive Report T-9188. See 568 this report

Two Humble Oil & Refining Company bench marks were also used west of Padre Island; BM MUD and BM HAT. No adjustment was necessary to place these elevations on Mean Sea Level Datum of 1929.

There are no bench marks on that part of Padre Island covered by this report. For control of contouring 8.9 miles of fourth-order levels were run. Levels for quadrangles T-9203(), T-9205(), and T-9208() were run as a unit in one closed loop on triangulation station DUNN, a second-order bench mark established by the Humble Oil & Refining Company. Level points were numbered 05-01 through 05-18.

Vertical control work was accomplished on photographs 48-0-1558 through 48-0-1565, each 1 of 2, 48-0-1245, 48-0-1889, and 48-0-1248.

5. CONTOURS AND DRAINAGE

Contouring was performed by standard planetable methods directly on the photographs.

The stereoscope was used both before and after field work to sketch and check contours before inking.

Contours on Padre Island were generalized to a great extent.

Contouring was accomplished on single lens photographs 48-0-1245, 48-0-1248, 48-0-1558 through 48-0-1565 each 1 of 2, and 48-0-1889, and on nine lens photograph No. 25748.

There is no definite drainage pattern.

6. WOODLAND COVER

The entire area is open, either sand, sand and mud flats, or grass.

7. SHORELINE AND ALONGSHORE FEATURES

See Review Report

See "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)" for shoreline of Laguna Madre. *See § 14 below*

The mean high water line of the Gulf of Mexico was located by measurements from points of identifiable detail. No tone or line on the photographs was found which could be positively identified on the ground. *See § 35 this report*

Because of spring tides a thorough inspection of the mean low water line could not be made. However, it is approximately 5 or 6 meters offshore of the mean high water line.

At the time of photography a shallow pass had been cut through the island. This pass shows clearly on photograph 48-0-1561. Weather Bureau records show that photography took place near the end of a four day period of strong northerly wind. From this, the conclusion is that this pass was opened by water from Laguna Madre being forced across the island. At approximately 2200, 30 October 1949, a norther struck this area. Northerly wind velocities up to 52 miles per hour were recorded by the Port Isabel Coast Guard Station. The following morning a pass had been cut through the island in almost the same position as that existing on 9 December 1948. Fourteen days later surf action had closed the Gulf end of the pass so that vehicles could traverse the beach with some inconvenience. One month later the pass was almost visibly indiscernible, and two months later no trace of the pass existed.

From local inquiry, it was established that this pass opens during periods of strong winds, both from Laguna Madre and the Gulf of Mexico. When opened from the Laguna Madre this pass soon closes. When opened from the Gulf of Mexico it does not close as quickly, sometimes not for months.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

Chart Letter 921(50)

See "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado." *See § 14 below*

There are no landmarks for charts or aeronautical aids.

10. BOUNDARIES, MONUMENTS, AND LINES

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

11. OTHER CONTROL

Recoverable topographic stations FATE and EVER were established on Padre Island. No additional control was established on the mainland. *See § 68*

this report

12. OTHER INTERIOR FEATURES

Culture is very sparse. One road on Padre Island enters the area from the north but ends at a large shifting sand dune area. There are no roads of any kind in the remainder of the area.

There is an abandoned camp on the southeast corner of El Toro.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Supplemental Third Order Control and Aids to Navigation" forwarded to Washington Office 13 March 1950. *

"Special Report, Identification and Delineation of the Shoreline of Laguna Madre", to be submitted at a later date. *

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

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

* *Filed in Div. of Photogrammetry.*

Horizontal Control, Quadrangle T-9205(), forwarded to Baltimore Office 4 and 15 May 1950.

Data, Padre Island Section of quadrangle T-9205(), forwarded to Washington Office on letter of transmittal Ph-36 Field 47, 8 February 1950.

Data, Quadrangle T-9205(), letter of transmittal Ph-36 Field 72 forwarded to Baltimore Office 24 July 1950.

Submitted
20 July 1950

Grover B. Torbert
Grover B. Torbert
Cartographic Survey Aid

Approved
24 July 1950

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

MAP T. 9205 PROJECT NO. Ph-36(48)E SCALE OF MAP 1:20,000 SCALE FACTOR none

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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)	
PEERLESS, 1939	G-4304	N.A.	26 59	01.572				48.4	1798.2	
	P. 125	1927	97 23	18.548				511.5	1143.0	
'LAGUNA, 1939	" "	"	26 53	09.045				278.4	1568.2	
	" "	"	97 22	18.098				499.5	1156.5	
'LOPENA, 1913	" "	"	26 59	00.829				25.5	1821.1	
	" "	"	97 28	11.462				316.1	1338.4	
SUB.PT. LOPENA	" "	"	26 59					86.7	1759.9	
	" "	"	97 28					602.2	1052.3	
NO.13 (USE)1950	TC 177	"	26 56	01.516				46.7	1799.9	
	*	"	97 28	05.466				150.8	1504.5	
CORPUS CHRISTI PORT ISABEL LT.219 1949	*	"	26 54	15.42				474.6	1372.0	
	" "	"	97 27	32.98				910.1	745.6	
CORPUS CHRISTI- PORT ISABEL LT. 218, 1949	*	"	26 57	13.12				403.8	1442.8	
	" "	"	97 27	16.55				459.2	1195.7	
* See Director's Letter No. 63-vw, dated 27 September 1950.										

1 FT. = 3048006 METER COMPUTED BY: Joseph W. Vonasick
 L. L. Bloom
 CHECKED BY: L. A. Senasack
 H. B. Rudolph
 DATE: 7/28/50 5/11/50
 DATE: 8/10/50 5/11/50
 M-2388-12

COMPILATION REPORT

T-9205

PHOTOGRAMMETRIC PLOT REPORT

See descriptive report for T-9208.

31. DELINEATION

Graphic methods were used.

The compilation was greatly facilitated due to first hand information furnished by G. B. Torbert, who field inspected most of the area of this manuscript before being assigned to this office.

32. CONTROL

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

33. SUPPLEMENTAL DATA

See field report, item 14.

34. CONTOURS AND DRAINAGE

On Padre Island, where the spot elevations indicated an omitted contour, many minimum sized contours were drawn in at the compilation office. Where the space was too small to show omitted contours, the elevation was shown, thereby resulting in the delineation of an abundance of spot elevations in some areas.

35. SHORELINE AND ALONGSHORE DETAILS

Low-water lines are based on data furnished by the field party.

The shoreline of Padre Island along the Gulf of Mexico was delineated from office inspection of the 1950 nine-lens photographs in preference to the field inspection on the 1948 single-lens prints.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 is being submitted for two fixed aids to navigation, both of which are triangulation stations.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for two recoverable topographic stations. These stations are listed under item 49. *See § 48 this report*

39. JUNCTIONS

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

- To the north - T-9203
- To the west - T-9204
- To the south - T-9207 and T-9208
- To the east - No contemporary survey

40. HORIZONTAL AND VERTICAL ACCURACY

No comment

41 thru 45 - Inapplicable.

46. COMPARISON WITH EXISTING MAPS

See § 62 this report

T-9205 has been compared with U.S.G.S. Lopena Island quadrangle, scale 1:62,500, edition of 1923, reprinted 1946.

The Intracoastal Waterway and spoil banks to the east of it do not appear on the quadrangle.

47. COMPARISON WITH NAUTICAL CHARTS

T-9205 has been compared with U.S.C. & G.S. nautical chart No. 1287, scale 1:80,000, published 7-4-49, corrected to August 7, 1950. *See § 65, this report*

47. COMPARISON WITH NAUTICAL CHARTS (continued)

Items to be applied to nautical charts immediately:

None

Items to be carried forward

None.

Respectfully submitted
5 December 1950

Ruth R. Hartley
Ruth R. Hartley
Carto. Photo. Aid

Approved and forwarded

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

GEOGRAPHIC NAMES

~~Banberia Island~~ ✓ Banberia Point (B.G.N., 10/57)
~~Calabaza Island~~ } delete this name (B.G.N., 10/57)
 Commissioner Precinct 1 }
 Commissioner Precinct 3 } Not mapped. SHR

Gulf of MexicoIntracoastal WaterwayKenedy CountyLaguna Madre~~Lopeno Island~~ ✓ Potrero Lopeno (B.G.N. 10/57)Padre Island~~Toxo Island~~ ✓ El Toro (B.G.N., 10/57)

Names underlined in
red are approved.

6-19-57 L. Heck

* signifies that there is a name
conflict for this feature that will
have to be settled by B. G. N.
decision before final printing.

49. NOTES FOR THE HYDROGRAPHER

The following recoverable topographic stations are delineated on the manuscript:

FATE , 1949
EVER, 1949

RM AVOCA 2 , 1952 Sec 568, this report.

58-

PHOTOGRAMMETRIC OFFICE REVIEW

T-9205

- 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. Rocks, shoals, etc. h
- 15. Bridges h
- 16. Aids to navigation h
- 17. Landmarks h
- 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 h

CULTURAL FEATURES

- 27. Roads h
- 28. Buildings h
- 29. Railroads h
- 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 Slaw 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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

3 January 1951

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

Baltimore, Maryland

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

Raymond Glaser
Raymond Glaser

Hubert A. Paton
Hubert A. Paton
Chief of Party

STATE	TEXAS	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		POSITION		D.P. METERS	D.A. DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					° ' "	D. M. METERS	° ' "	D. P. METERS								
		Light No. 218	Corpus Christi-Port Isabel		26	57	403.8	97	27	N.A. 1927	T-9205 Triang.	1949		X		1287
		Light No. 219	Corpus Christi-Port Isabel		26	54	474.6	97	27	" "	" "	" "		X		"

Ch Let 921 (50)

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.

Field Edit Report, T-9205

51. Methods.--Field edit was accomplished by visual inspection while driving the beach and cross-country in a Jeep. Spoil bank top elevations along the Intracoastal Waterway were obtained from a boat by hand level methods.

Field edit information is shown on the Field Edit Sheet and photograph 48-0-1278.

52. Adequacy of compilation.--The map manuscript is adequately compiled and will be complete after field edit additions and corrections.

53. Map accuracy.--No tests were specified. The contour pattern appears adequate from visual inspection. *See §66 this report*

54. Recommendations.--None offered.

55. Examination of proof copy.--The County Surveyor of Kenedy County, Mr. Francis G. French, has agreed to examine the proof copy of the map. His address is Sarita, Texas.

No errors were detected in geographic names. Those in conflict were not investigated.

56. Commissioner Precinct lines.--These lines have been changed since field inspection. A new legal description is being submitted. Changes within the project will be made on the Field Edit Sheets of the quadrangles affected. This quadrangle lies entirely within Precinct 1.

Respectfully submitted,
8 January 1952

William H. Shearouse
William H. Shearouse,
Cartographer

REVIEW REPORT
Topographic Map T-9205
6 June 1952

62. Comparison with Registered Topographic Surveys:

T-1677	1:20,000	1879-81
T-1678	"	1881
T-6703	"	1938

Survey T-9205 is to supersede the above surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Lopena Island, Tex., quadrangle (USGS) 1:62,500 1923
reprinted 1946

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

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

Corrections in the map resulting from field edit and review have been shown on the map manuscript in red.

66. Adequacy of Results and Future Surveys:

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

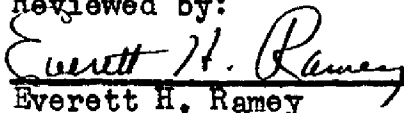
67. Shoreline:

For a more comprehensive discussion of shoreline refer to copies of correspondence and instructions included in the Descriptive Report for T-9214.

68. Topographic Stations:

Avoca 2 RM was identified as a bench mark during the field inspection but was in contradiction by 73 meters with the computed position from data given in the triangulation description for Avoca 2. A new position was determined during the field edit and is shown on Form 524 filed under this survey number. This latter position plots approximately 30 meters northeast of the triangulation position. Because Avoca 2 has been lost the discrepancy could not be resolved.

Reviewed by:


Everett H. Ramey

Approved:

L. C. Laude 7 Jan 1954
Chief, Review Section
Division of Photogrammetry

H. W. Richmond
Chief, Nautical Chart Branch
Division of Charts ^{CD}

W. B. Kett
Chief, Div. of Photogrammetry

Carl O. Hutton B
Chief, Div. of Coastal Surveys

HISTORY OF HYDROGRAPHIC INFORMATION
QUADRANGLE T-9205

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

Soundings and 6, 12, 18 & 30 foot depth curves at mean low water datum originate with the following:

USC&GS Hydrographic Surveys:

H-6489 (1939) 1:20,000
H-6494 (1939) 1:40,000

USC&GS Nautical Charts:

895 (1952)-6/2 1:40,000
1287 (1952)-6/23 1:80,000 (compared with)

Hydrography compiled by C. Theurer and checked by C. B. Samuel.

C. Theurer
Division of Photogrammetry
24 July 1952

Note: Nautical Chart Files Letter 582(52) shows a private channel-just completed-from the Intracoastal Waterway westward 1500' ft. in approximate latitude $26^{\circ} 58'$. See permit 1807.

