

9195

Diag. Cht. No. 1286-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-36(40)C Office No. T-9195

LOCALITY

State TEXAS

General locality KENEDY & KLEBERG COUNTIES

Locality RIVIERA BEACH

1948-52

CHIEF OF PARTY

G.E.Morris, Jr., Chief of Field Party.

H.A.Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE

8-1670-1 (1)

9195

DATA RECORD

T - 9195

Project No. (II): PH-36(48)C
 Quadrangle Name (IV): *Riviera Beach, SW.*
 Field Office (II): *Brownsville, Texas* Chief of Party: *George E. Morris, Jr.*
 Photogrammetric Office (III): *Baltimore, Maryland.* Officer-in-Charge: *Hubert A. Paton*

Instructions dated (II) (III): *14 February 1949* Copy filed in Division of
8 June 1949 Photogrammetry (IV)
26 July 1949) Supplement No. 2 *Office Files*
28 July 1949)

24 Feb. 1950 - Supplement No. 1
 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): *17 Oct '50* Date reported to Nautical Chart Branch (IV): *20 Oct - 50*

Applied to Chart No. *1117* Date: *Nov 1951* Date registered (IV): *10-7-52*

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): *Robbins, Ecc., 1931*

Lat.: *27° 18' 22.778" (701.1m)* Long.: *97° 44' 20.286" (557.8m)* 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.

All contouring
by Grover B. Torbert

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

DATA RECORD

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

Date: August, September
and October 1949

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

Date: August, September
and October 1949

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

Date: *2-14-52*

Mean High Water Location (III) (State date and method of location): *12-9-48*) dates of photographs
12-10-48)
and June to September 1949, date of field inspection

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

Date: *10-19-49*

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

Date: *10-21-49*

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

Date: *1-3-50*

Control checked by (III): W. L. Lineweaver

Date: *1-3-50*

Radial Plot ~~of stereoscopic~~
~~extension~~ by (III): F. J. Tarcza

Date: *1-18-50*

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Date:

Date:

Manuscript delineated by (III): B. Kurs

Date: *10-3-50*

Photogrammetric Office Review by (III): R. Glaser

Date: *10-10-50*

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

Date: *10-10-50*

Camera (kind or source) (III) U.S.C.G.S. Type "Q" single lens camera, focal length 6"

Number	Date	PHOTOGRAPHS (III)		
		Time	Scale	Stage of Tide
48-0-2129 to 48-0-2132 incl	12-10-48	1107	1:20,000	Not computed
48-0-2164 to 48-0-2167 incl	12-10-48	1138	1:20,000	(negligible)
48-0-1704	12-9-48	1209	1:20,000	
48-0-1705	12-9-48	1210	1:20,000	
48-0-1707	12-9-48	1210	1:20,000	

Tide (III)

Reference Station: Galveston, Texas

Subordinate Station: *The mean range of tide is less than 1/2 foot.*

Subordinate Station: *than 1/2 foot.*

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4

Washington Office Review by (IV): *G. B. Willey*

Date: *23 May 1952*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (II): 39

Shoreline (More than 200 meters to opposite shore) (III): 36

Shoreline (Less than 200 meters to opposite shore) (III): 3

Control Leveling - Miles (II): 30.7

Number of Triangulation Stations searched for (II): 11 Recovered: 5 Identified: 5

Number of BMs searched for (II): 26 Recovered: 22 Identified: 14

Number of Recoverable Photo Stations established (III): 15

Number of Temporary Photo Hydro Stations established (III):

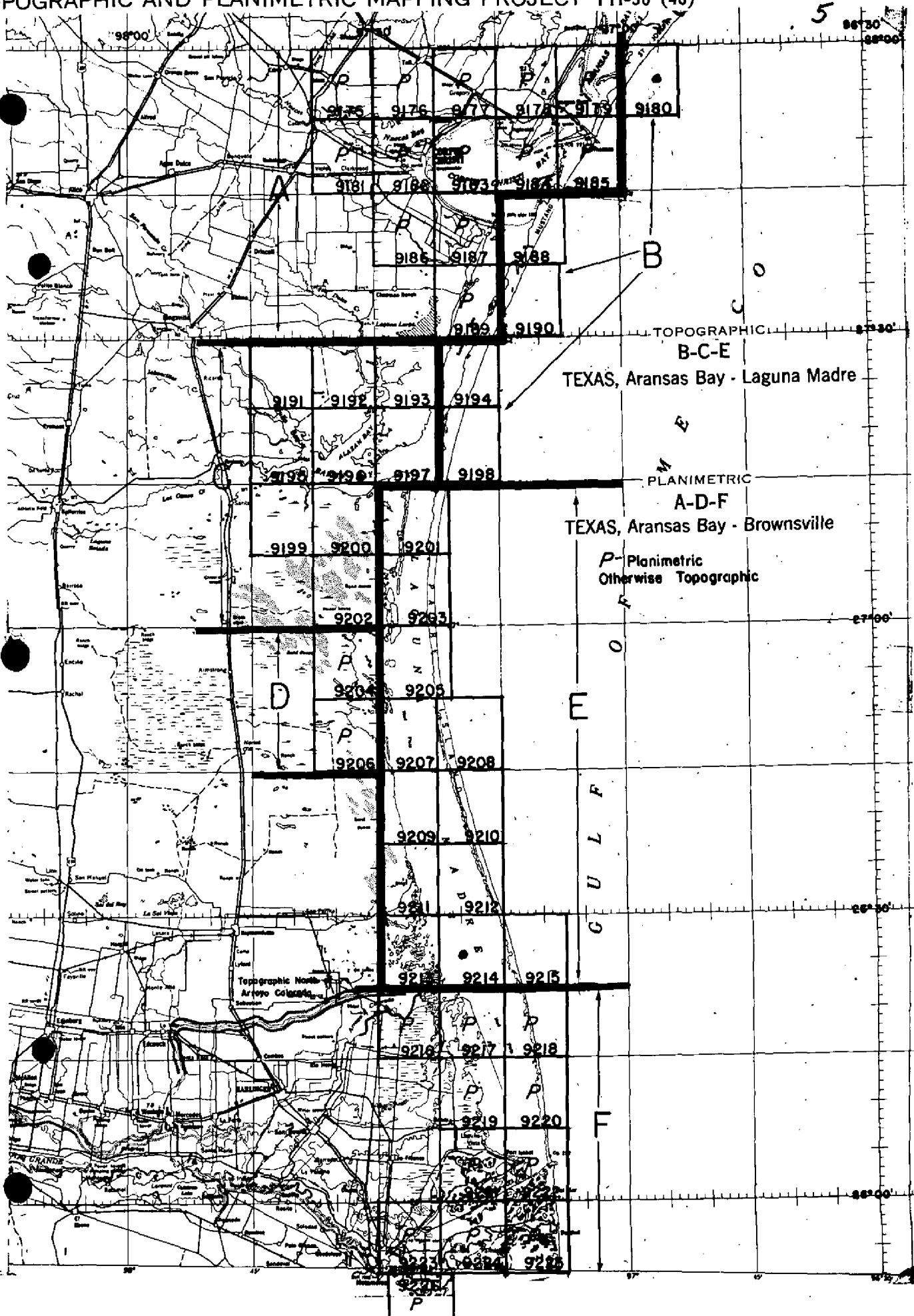
Remarks: STATISTICS OUTSIDE THE QUADRANGLE (ALSO PROJECT):

(1) 3 USC&GS triangulation stations were searched for, 1 was recovered, and 1 was identified.

(2) 9 USC&GS first and second-order bench marks were searched for, and 8 were recovered.

TOPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)

5



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

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

P - Planimetric
Otherwise Topographic

Topographic North
Arroyo Colorado

JUNE 27-1955

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 situated at the head of Baffin Bay where Grullo Bayou and Laguna Salado meet to form the bay. Approximately 80 per cent of the quadrangle is land area. The quadrangle lies in two counties, Kenedy, and Kleberg, that are separated by Laguna Salado and Baffin Bay.

About 24 square miles of land area, at the head of Baffin Bay, west of Grullo Bayou and north of Laguna Salado, has been developed as diversified farmland, is moderately populated, and is served by an adequate road net. Several small cabin, fishing, and pleasure boats are based out of Loyola Beach and Riviera Beach. The relief in this area varies from prominent to relatively flat near the water areas, and the entire area is thickly interspersed with intermittent ponds.

The remaining land area is all in the King and Kenedy Ranches, is unpopulated, and is accessible only by unimproved roads through locked gates. The area south of Laguna Salado and Baffin Bay is owned by the Kenedy Ranch, and the area east of Grullo Bayou and north of Baffin Bay is owned by the King Ranch. Both ranch areas are used exclusively for cattle grazing, and, because of an absence of cultural features, fences, windmills, flowing wells, and corrals have been indicated on the field inspection photographs. The relief is relatively flat with an occasional prominent knoll.

Photography was adequate and no vegetation growths peculiar to the general area were encountered.

Field inspection was performed on the following photographs: 48-0-1705, 48-0-1707, 48-0-2129, 48-0-2130, 48-0-2131(1 of 2), 48-0-2131(2 of 2), 48-0-2132, 48-0-2164, 48-0-2165, 48-0-2166, 48-0-2167.

3. HORIZONTAL CONTROL

No original descriptions were available to assist in the recovery of "BUENA VISTA HOTEL SOUTH CHIMNEY 1912" and "BUENA VISTA HOTEL NORTH CHIMNEY 1912", at Riviera Beach. However, a thorough investigation was made, as evidenced by the recovery notes, and the south chimney is believed to be still standing and was identified. Since there is a chance that the identified chimney might not be the point observed in 1912 the following statement was added to the recovery note for "BUENA VISTA HOTEL SOUTH CHIMNEY 1912", "More positive recovery will depend on the radial plot for quadrangle T-9195() in Project Ph-36(48).

The forgoing note was also added to the recovery note for "BUENA VISTA HOTEL WATER TANK 1939" since it was impossible to reconcile the original description with local information.

Horizontal control identification was performed on the following photographs: 48-0-1705, 48-0-2129, 48-0-2165, 48-0-2167, 48-0-2185.

4. VERTICAL CONTROL

Within the quadrangle, the following second-order USC&GS bench marks were recovered and identified, approximately, on the contour photographs: D 635 RESET, E 635, F 635 RESET, G 635 RESET, H 635 RESET, J 635, K 635, L 635, P 635, Q 635, R 635, U 918, ROBBINS RM 1, ROBBINS RM 2.

USC&GS second-order bench mark M 635 and N 635, within the quadrangle, were found broken off and the disks were removed by this party.

To provide additional control for contours, 30.7 miles of 4th-order levels were run between the bench marks within the project limits, between level points 95-1 to 95-30. All closures were under .20 foot except one 6.4 mile loop with a closure of .70 foot. The .70 foot was prorated throughout the loop.

Level points were spotted on the contour photographs.

5. CONTOURS AND DRAINAGE

Contouring was done by standard planetable methods on the single lens ratio prints. Photographs were carefully examined under the field stereoscope prior to field work and again prior to inking of the pencil contours. Moderate relief, large open areas, and the use of vehicles by the rodmen greatly facilitated the field contouring on the King and Kenedy Ranches.

Vertical accuracy checks run as a check on the topographer have been indicated in violet ink and required changes in the contours also indicated in violet ink. Original contours in brown ink that were found in error have been deleted with green "X's".

Satisfactory contour junctions were made with quadrangle T-9191() on the north, quadrangle T-9196() on the east, and T-9199() on the south. A planetable traverse was run along the project limit on the west side of the quadrangle.

Contouring was done on the following photographs: 48-0-2129, 48-0-2130, 48-0-2131(1 of 2), 48-0-2132, 48-0-2164, 48-0-2165, 48-0-2166, 48-0-2167.

All drainage upstream of the mean water line is intermittent.

6. WOODLAND COVER

Woodland cover consists principally of scrub growths of mesquite which covers about 20 per cent of the quadrangle. The mesquite ranges in height up to twenty feet, and all areas above six feet covering more than 30 per cent of the ground area have been classified "T".

7. SHORELINE AND SHORELINE FEATURES

There is no periodic tide in the quadrangle.

The exact elevation of the mean water line in Laguna Salado, Grullo Bayou, and Baffin Bay is not known. Tide gage information from a private source will be made available early in 1950. See "Special Report on the Identification and Delineation of Shoreline in the Laguna Madre, Project Ph-36(48)" to be submitted at a later date.

Most of the delineated mean water line is along a definite bank (tone change) and a change of a few tenths of a foot in elevation of the MWL will not materially displace this line horizontally.

In other areas the mean water line was located by planetable at 0.4 ft. elevation and the elevations are inked along this delineated MWL. This 0.4 ft. elevation was selected after a thorough investigation of the area, and considerable discussion with oil company officials and local inhabitants interested in the elevation of the MWL.

If the special report furnishes a different elevation of the mean water line it will be necessary to relocate the MWL only along the east shore of Grullo Bayou on photograph 48-0-2131(1 of 2) and 48-0-2132, and for about 1/2 mile along the west shore just south of the north quadrangle limit on photograph 48-0-2164.

The bulk of the storm water line is along a prominent bluff and very close to the MWL. Where no prominent bluff exists, the line is along the vegetation line, or five-foot contour, whichever is found farther offshore.

Shoreline inspection has been shown on the following photographs: 48-0-1704, 48-0-1705, 48-0-1707, 48-0-2129, 48-0-2130, 48-0-2131(1 of 2)(2 of 2), 48-0-2132, 48-0-2164, 48-0-2166, 48-0-2167.

8. OFFSHORE FEATURES

There were no offshore features to be investigated by the field inspector.

9. LANDMARKS AND AIDS

Chart letter 268 (50)
Three landmarks, west of present chart limits, are submitted on Form 567. Two are triangulation, and the other was pricked direct and is described on Form 524 that is submitted with field records for this quadrangle. Landmark characteristics are also inked on the photographs used for identification.

There are no nautical or aeronautical aids within the quadrangle.

10. BOUNDARIES, MONUMENTS, AND LINES

For that part of the quadrangle north of Laguna Salado and Baffin Bay, see "Special Report, Boundaries, Baffin Bay to Latitude 28°00', Project Ph-36(48)".

For the remainder of the quadrangle, see "Special Report, Boundaries, Baffin Bay to the Rio Grande, Project Ph-36(48)".

11. OTHER CONTROL

In addition to the landmark described on Form 524 (Par.9), 14 monumented topographic stations were established.

Identification was performed on the following photographs: 48-0-1704, 48-0-1705, 48-0-1707, 48-0-2129, 48-0-2130, 48-0-2131(2 of 2), 48-0-2132, 48-0-2164, 48-0-2166.

12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Photogrammetry Instructions No. 10 dated 14 April 1947, and amendment dated 24 October 1947, and the Topographic Manual.

There are no bridges or cables over navigable waters within the area.

All buildings to be shown have been classified in accordance with Photogrammetry Instructions No. 29 dated 1 October 1948, and the Topographic Manual.

One Navy auxiliary landing field, Field 55, is within the quadrangle and has been indicated on photograph 48-0-2166. The field is seldom used for flying purposes but is actively used as a bombing range by training planes based at the Naval Air Station in Corpus Christi, Texas.

13. GEOGRAPHIC NAMES

For that part of the quadrangle north of Laguna Salado and Baffin Bay, see "Special Report, Geographic Names, Aransas Bay to Baffin Bay, Project Ph-36(48)".

(Both outside - 809, 810)
For the remainder of the quadrangle, see "Special Report, Geographic Names, Baffin Bay to Port Mansfield (Red Fish Landing), Project Ph-36(48)".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Boundaries, Baffin Bay to Latitude 28°00', Project Ph-36(48)", forwarded to Washington 20 July 1949.

"Special Report, Boundaries, Baffin Bay to the Rio Grande, Project Ph-36(48)", to be submitted to Washington at a later date.

"Special Report, Geographic Names, Aransas Bay to Baffin Bay, Project Ph-36(48)", forwarded to Washington 27 July 1949.

"Special Report, Geographic Names, Baffin Bay to Port Mansfield (Red Fish Landing), Project Ph-36(48)", to be submitted to Washington at a later date.

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

Records, Quadrangle T-9195(), to Baltimore 10 November 1949 by letter of transmittal Ph-36 Field 44 .

Submitted
4 November 1949

Grover B. Torbert
Grover B. Torbert
Cartographic Survey Aid

Approved
10 November 1949

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

MAP T. 9195 PROJECT NO. Ph-36(48)C 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		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)
BUENA VISTA HOTEL WATER TANK, 1939	G-4197 P. 123	N.A. 1927	27 17	24.67				759.3	1087.4		
			97 40	00.71				19.5	1630.5		
BUENA VISTA HOTEL SOUTH CHIMNEY, 1912	G-6538 P. 152	"	27 17	18.12				557.7	1289.0		
			97 39	59.84				1645.7	4.4		
GERMAN CATHOLIC CHURCH STEEPLE, 1931	GTZ-G-755 P. 40	"	27 20	01.92				59.1	1787.6		
			97 44	58.34				1603.8	45.6		
PASADISO, 1912	GTZ-G-755 P. 39	"	27 15	38.122				1173.4	673.4		
			97 38	31.637				870.2	780.2		
SUB.PT. PASADISO, 1912			27 15					1109.8	737.0		
			97 38					866.9	783.5		
ROBBINS, ECC., 1931	GTZ-G-755 P. 39	"	27 18	22.778				701.1	1145.6		
			97 44	20.286				557.8	1092.0		
SUB.PT. ROBBINS, ECC., 1931 <i>Our Lady of Consolation, Texas Catholic Church Spire, 1913</i>		"	27 18					734.0	1112.7		
			97 44					356.5	1293.3		
			27 20	01.917				59.0	1788.0		
			97 44	58.343				1603.8	45.6		

1 FT. = 3048006 MICRONS
COMPUTED BY: W. Li neweaver
G. G. Willey

DATE: 27 December 1949
15 May 1952

CHECKED BY: F. J. Tarcza

DATE: Dec. 30, 1949

M. 2388-12

COMPILATION REPORT

T-9195

PHOTOGRAMMETRIC PLOT REPORT

The photogrammetric plot report covering this survey was submitted 3 May 1950 with the descriptive report for Survey No. T-9191.

31. DELINEATION

Delineation was by graphic methods. Photo coverage and field inspection were satisfactory. A discrepancy overlay is being submitted with the manuscript.

32. CONTROL

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

Subsequent to the completion of the radial plot for this area, a checked geographic position for OUR LADY OF CONSOLATION CATH. CH. SP., 1949 was received. This station is the same as GERMAN CATH. CH. STEEPLE, 1931, for which there was a "no check" position and for which a radially plotted position was established when the station could not be held. The checked geographic position proved that the unchecked position was not in error as stated in the radial plot report. No attempt was made to change the plot as the radially plotted position falls about 0.3mm from the geographic position.

33. SUPPLEMENTAL DATA

1. Plan of outlying Field 55, U. S. Naval Air Station, Corpus Christi, Texas. The military reservation boundary was taken from this plan.

2. General land office map of Kleberg County - Boundary Sheet No.2. Used for precinct and county boundaries.

3. Geographic names standard No. 9 dated 11-4-49 on the Corps of Engineers, Sarita quadrangle.

4. Wye Leveling data for T-9195 (one vol.)

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE FEATURES

See Review Report.

Field inspection of the mean water line and storm water line was adequate. (Refer to the field inspection report, item No. 7).

The field inspected storm water line was used as the approximate limits of intermittently flooded areas.

There were no low water or shoal lines delineated on the manuscript.

36. OFFSHORE DETAILS

No comment

37. LANDMARKS AND AIDS

Three landmarks for charts fall within this survey. Form 567 for these landmarks is being submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for fifteen recoverable topographic stations were prepared by the field party and completed in the compilation office. These forms will be submitted with this report.

A list of the recoverable topographic stations will be found in item No. 49.

39. JUNCTIONS

Junctions have been satisfactorily completed with T-9191 to the north, T-9196 to the east, and with T-9199 to the south. To the west is the project limits .

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. LANDING FIELDS

Navy auxiliary landing field No. 55 in the southwest section of the quadrangle, is now closed. (See field report, item 12) .

42 through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

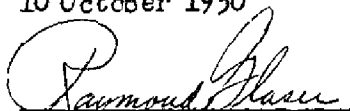
Comparison was made with the Corps of Engineers, Sarita quadrangle scale 1:125,000, edition of 1920, revised 1928.

The south shore of the Laguna Salada just south of Riviera Beach has built up considerably since the above survey.

47. COMPARISON WITH NAUTICAL CHARTS

The area of this survey is not covered by any large scale Harbor or Coast charts. The area can be found only on General Chart No. 1117, scale 1:460,732 and on Sailing Chart No. 1007, scale 1:2,161,530.

Respectfully submitted
10 October 1950



Raymond Glaser
Cartographic and Surveying Aid

Approved and forwarded
17 October 1950



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

48. GEOGRAPHIC NAMES

Except where another source of information is indicated, the following names were taken from geographic names standard No. 9 (11-4-49) and another unnumbered geographic names sheet:

Baffin Bay School

(not shown on manuscript; according to field inspection this school was moved to Riviera 24 October 1949. It is not known if the building remains)

Cayo Del Grullo (recent B.G.N. decision)

Chalio Well

Commissioner Precinct 3) from boundary data

Commissioner Precinct 4) omitted from manu-

script - location in doubt.

Drum Point

Kenedy Ranch) from field report

King Ranch)

Kleberg County) from boundary data

Kenedy County)

Laguna de Los Olmos

Laguna Salada

La Parra Landing

Loyola Beach

Consolation

Our Lady of Consolation Church) omitted from

Our Lady of Consolation School) manuscript

for verification of spelling.

Radicha Creek

Riviera Beach

Pie de Gallo (in original names report)

Sandy Hook (omitted from manuscript -

location in doubt)

Vattman Creek

Visnaga Windmill

Road No 628

Road No. 771

Las Puertas Artesian Well

Names underlined in red are approved.

5-1-51. L. Heck

5-21-52 A. J. W.

49. NOTES FOR THE HYDROGRAPHER

The following is a list of recoverable topographic stations shown on the manuscript:

ALSO, 1949
BARN, 1949
BOOT, 1949
BULL, 1948, 1949

CANE, 1949
CARL, 1949

DEBT, 1949

ECHO, 1949

HARP, 1949
HORN, 1949

ITEM, 1949

STAN, 1949
S 567-3, 1949
S 567-11, 1949

WINE, 1949

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T-9155

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads B 28. Buildings B 29. Railroads _____ 30. Other cultural features B

BOUNDARIES

31. Boundary lines B 32. Public land lines _____

MISCELLANEOUS

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

40. Raymond Stares 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:

Field Edit Report, T-9195

51. Methods.--All roads were ridden out to check their classification, verify cultural and natural features and answer questions asked by the reviewer. All shoreline was ridden or walked over and carefully checked. Where the low-water line was in question it was investigated at low tide. Additions to the map were made by tape or standard plane-table methods.

Deletions, additions and corrections have been made on the Field Edit Sheets (numbered 1 and 2), Discrepancy Print and photographs 48-0-2129, 2131, 2132, 2164, 2165 and 2166.

Violet ink was used for corrections and additions; green for deletions. A legend is shown on Field Edit Sheet No. 2.

52. Adequacy of compilation.--Compilation of map details is adequate and will be complete after application of field edit information.

53. Map accuracy.--Horizontal accuracy was checked by planetable method in connection with testing of contours and location of new roads. Delineated points, such as road intersections, were used to take off from and tie into. From this method and visual inspection, the horizontal accuracy appears good.

One vertical accuracy test was made. It is located at latitude 27 degrees 19 minutes, longitude 97 degrees 45 minutes. Horizontally it began at point "A" (road intersection) and closures were made at point "B" (Δ Robbins Ecc., 1931) and point "C" (road intersection). Vertical origin was at bench mark Robbins Ecc. R. M. 2 and termination was at bench mark F 635. The horizontal error of closure was 60 feet (1.0mm) short and the vertical error of closure was 0.5 foot high. No adjustments were made.

The results are as follows:

51 points tested.

49 points in error less than $\frac{1}{2}$ contour interval.

2 points found in error more than $\frac{1}{2}$ contour interval.

0 points found in error more than 5 feet.

96% of all points tested were within the allowable limits of accuracy.

The necessary corrections to contours were made on Field Edit Sheet No. 1. In general the pattern of the contours is good and appears to be well within the required accuracy.

54. Recommendations.--None offered.

55. Examination of proof copy.--It is recommended that proof copies of the map be sent to the following people for examination.--

(1) King Ranch Office, attention Mr. Robert G. Wells, Kingsville, Texas, for the King Ranch part.

(2) Mr. Charles G. Patterson, County Surveyor, Kingsville, Texas, for the part west of the Cayo del Grullo and north of the Laguna Salada.

(3) Mr. Francis G. French, Sarita, Texas, for the Kenedy Ranch part.

Geographic names.--The name LAS PUERTAS applies to a new artesian well located at approximate latitude 27 degrees 19.8 minutes, longitude 97 degrees 38.1 minutes, and is recommended for charting.

No discrepancies were noted in charted names.

56. Commissioner precinct lines.--An extensive investigation of the Commissioner Precinct lines was made. No marked corners could be found. However, the lines were transferred from a map in the office of Mr. C. G. Patterson, Kleberg County Surveyor, and verified by local information. No conflict was encountered and it is believed the lines as shown on the Field Edit Sheet are reasonably accurate.

Respectfully submitted,
14 February 1952

William H. Shearouse
William H. Shearouse,
Cartographer

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONLOCATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Brownsville, Texas

14 October 1950

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

The positions given have been checked after listing by G. S. Morris

STATE	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						
				° ' "	D. M. METERS	° ' " D. P. METERS						
TEXAS	BARN	East gable, red wood with metal top (26 ft. above ground, top 71 ft. above MSL,) chart outline		27 18	1609	97 41	872	N.A. Red Plot 1927 T-9195	1949	X	W of 1286 & 1287	
	TANK (Elev)	Wood (32 ft. high, top 58 ft. above MSL).	(1)	27 17	759.3	97 40	19.5	"	1939	X	"	"
	BUILDING	(36 ft. above ground, top 57 ft. above MSL), chart outline	(2)	27 17	557.7	97 39	1645.7	"	1912	X	"	"
		(1) BUENA VISTA HOTEL WATER TANK 1939										
		(2) BUENA VISTA HOTEL SOUTH CHIMNEY 1912										
		Ch Lt					268' (50)					
												21

George S. Morris
Chief of Party

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

REVIEW REPORT T-9195
Topographic Map
23 May 1952

62. Comparison with Registered Topographic Surveys:

T-1624 1:20,000 1881

T-9195 supersedes this survey for nautical charting purposes.

For a discussion of the special treatment of shoreline interpretation and delineation by this survey as compared to the above survey, see item 66 below.

Minor shoreline erosion is in evidence from a comparison with this survey.

63. Comparison with Maps of Other Agencies:

Sarita, Tex. (U.S.E.) 1:125,000 1909 Revised 1928

No significant differences are to be noted.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

Chart 1117 1:460,732 5 Edition (1941) 52-1/17.

See Item 66 below for a discussion of the special treatment of shoreline interpretation and delineation in this area.

66. Shoreline Interpretation and delineation: Water stages in this area vary widely with meteorological conditions. The high-water line has been omitted where it is indefinite and is not marked by visible evidence on the ground. The broken line indicates the approximate inshore limits of areas subject to inundation. The dotted line represents the approximate low-water line.

See Review Report T 9192

67. Adequacy of Manuscript: This topographic map complies with Bureau standards, project instructions and with National Map Accuracy Standards.

Reviewed by:


Gordon B. Willey

T-9195
Page 2

Approved:

S. V. Griffith
Chief, Review Section
Division of Photogrammetry

H. Edmonstone
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry
Reading

Carl O. Henton
Chief, Div. of Coastal Surveys
2027

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 9195

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11/51	1117	Pisegani	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			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.