Form 504  
U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE  

DESCRIPTIVE REPORT

Type of Survey: PLANIMETRIC  
Field No.: Office No.: T-9226

LOCALITY  
State: TEXAS  
General locality: RIO GRANDE  
Locality: SOUTHWEST

1940  
CHIEF OF PARTY  Field  
George E. Morris, Jr., Chief of Party  
Arthur L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES  
DATE: MAR 25 1955

Date: 1950
DATA RECORD

T -9226

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

Quadangle Name (IV):

Field Office (II): Brownsville, Texas

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 14 February 1949

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): JAN 15 1952

Date reported to Nautical Chart Branch (IV): FEB 27 1952

Applied to Chart No.

Date: FEB 27 1952

Date registered (IV): 12-22-57

Publication Scale (IV): 1:20,000

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): Not applicable except as follows:

Elevations shown as (0 g) refer to mean high water
Elevations shown as (0) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SOUTHMOST, 1947

Lat.: 25° 51' 44.772 (1377.0m)

Long.: 97° 23' 27.233 (758.2m)

Adjusted

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.
Areas contoured by various personnel
(Show name within area)
(I) (II)
DATA RECORD

Field Inspection by (II): W. H. Nelson
B. F. Lampot, Jr.
C. H. Baldwin

Date: July 1950
April 1950
August 1950

Planetable contouring by (II): Inapplicable

Date:

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

Date: April 1952

Mean High Water Location (III) (State date and method of location): Inapplicable

Date:

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

Date: 21 Sept 1950

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

Date: 26 Sept 1950

Control plotted by (III): I. I. Saperstein

Date: 26 Feb 1951

Control checked by (III): M. M. Slavney

Date: 9 Apr 1951

Radial Plot inapplicable

Date: 23 May 1951

Stereoscopic Instrument compilation (III): M. M. Slavney

Date:

Planimetry Inapplicable

Date:

Contours

Date:

Manuscript delineated by (III): R. A. Reece

Date: 18 Dec 1951

Photogrammetric Office Review by (III): R. R. Wagner

Date: 20 Dec 1951

Elevations on Manuscript checked by (III): R. A. Reece

Date: 12 Dec 1951
Camera (kind or source) (III): Fairchild Cartographic - 6\textsuperscript{th} Megrogon lens, Camera \textquotedblleft O\textquotedblright
U.S.C. & G.S. Nine-lens 8\textsuperscript{th} focal length

PHOTOGRAPHS (III)

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Tide (III)

Reference Station: \textit{Inapplicable}

Subordinate Station:

Subordinate Station:

Washington Office Review by (IV): \textit{Charles Nelson}

Date: 22 August 1952

Final Drafting by (IV): \textit{Elton Luther}

Date: 9-25-53

Drafting verified for reproduction by (IV): \textit{W.B. Hallin}

Date: 9-30-53

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 11 (18 sq. mi. mapped south of Rio Grande)

Shoreline (More than 200 meters to opposite shore) (III): 31

Shoreline (Less than 200 meters to opposite shore) (III): 0

Control Leveling - Miles (III): 0.0

Number of Triangulation Stations searched for (III): 4

Number of BMs searched for (III): 12

Number of Recoverable Photo Stations established (III): none

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

Remarks:

Form T-Page 4

M-2616-12 (4)
SUMMARY T-9226

Project Ph-36(48) consists of 52 quadrangles at 1:20,000 scale, each 7½ minutes in latitude and longitude, covering the Gulf Coast and the INTRACOASTAL WATERWAY from ARANSAS BAY south to BROWNSVILLE and the Mexican Border.

Half of the quadrangles in the project are topographic - of which this survey, T-9226, is one - and the other half are planimetric.

The topographic maps are to be published at 1:24,000 scale by the Geological Survey.

Adjoining the project to the north is a series of shore-line surveys in Part IV of project Ph-14(46).

Information concerning Ph-36(47) 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.

A cloth-backed lithographic print of the original map manuscript at compilation scale, 1:20,000, and a cloth-backed copy of the published quadrangle at 1:24,000 scale, together with this descriptive report, will be filed in the Bureau Archives.
2. AREAL FIELD INSPECTION

This area lies to the southeast of Brownsville, along the Rio Grande, and is the southmost section of Texas.

The entire area is an agricultural one. Truck farming is secondary to cotton.

A natural palm grove, said to be the only one in Texas, is in the area.

There is a levee with a patrol road roughly paralleling the Rio Grande, maintained by the International Boundary and Water Commission.

An unusual feature is a number of ditches labeled "D elev" on the photographs. These are ditches between two levees and completely above the surface of the ground. At roads, these ditches terminate at a concrete abutment and are carried under the road through a culvert. If the ditch on the other side is of the same type, there are concrete abutments on both sides of the road. Minor roads cross the ditches by bridge.

The cultivated fields appear light gray on the photographs. Scrub and trees appear dark.

Field inspection was performed on ratio prints Nos. 48-0-1308, 48-0-1440, and 48-0-1444.

3. HORIZONTAL CONTROL

One USGS third-order traverse station, H 15 1929, was reported lost.

Horizontal control was identified on 1:20,000 scale single lens ratio print 48-0-1440.

4. VERTICAL CONTROL

The following USGS second-order bench marks were recovered and identified on single lens ratio print 48-0-1440: NO 47(1BC), NO 48(1BC), U 776, V 776, Y 776, Z 776, Q 39(C.Co.), Q 40(C.Co.), Q 43(C.Co.) and Q 44(C.Co.). (X - 776)  

No levels of any kind were run.

5. CONTOURS AND DRAINAGE

Contours not applicable.

There is no perennial drainage except for the Rio Grande, along the limit of the project.
6. **WOODLAND COVER**

All woodland areas have been classified according to Photogrammetry Instructions No. 15, dated 16 June 1947.

7. **SHORELINE AND ALONGSHORE FEATURES**

Not applicable.

8. **OFFSHORE FEATURES**

Not applicable

9. **LANDMARKS AND AIDS**

There are none.

10. **BOUNDARIES, MONUMENTS, AND LINES**

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

11. **OTHER CONTROL**

None was established.

12. **OTHER INTERIOR FEATURES**

A number of buildings visible on the photographs have been deleted because they are of thatched construction and not permanent.

13. **GEOGRAPHIC NAMES**

See "Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande."

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**


Data, Quadrangle T-9226( ), forwarded to Baltimore Office 14 August 1950, on letter of transmittal Ph-36 Field 88.

Submitted
11 August 1950

B. Frank Lampton, Jr.
B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved
12 August 1950

George E. Morris, Jr.
Chief of Party
PHOTOGRAFOMETRIC PLOT REPORT.

Submitted with T-9220.

31. DELINEATION.

Compiled by the graphic method.

The scale and clarity of the photographs were good.

The field inspection was adequate. Since there was no field inspection made south of the Rio Grande, no roads have been labeled. Roads believed to be secondary have been shown dashed.

32. CONTROL.

Sufficient control was identified. Density and placement were good.

33. SUPPLEMENTAL DATA.

None used.

34. CONTOURS AND DRAINAGE.

The Rio Grande is the only perennial drainage. Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS.

There was no shoreline inspection. Shoreline of the Rio Grande has been shown according to photo interpretation.

36. OFFSHORE DETAILS.

None.
37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

None one topographic station.

39. JUNCTIONS.

A satisfactory junction has been made as follows:

Survey T-9223 on the north
Survey T-9224 part 2 of 2 on the east
No contemporary survey to the west and south.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. Geological Survey Quadrangle SOUTHEAST, TEXAS, scale 1:31,680, edition of 1936, reprinted in 1945. The two are in good agreement; only minor cultural changes have taken place.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U. S. C. & G. S. Nautical Chart 1288, scale 1:80,000, published September 1941 (3rd edition) and corrected to 13 October 1950. Comparable area north of the Rio Grande is in agreement.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.
None.

ITEMS TO BE CARRIED FORWARD.
None.

Richard A. Reece
Carto. Photo. Aid.

APPROVED AND forwarded:

Arthur L. Wardwell
Chief of Party
48. GEOGRAPHIC NAME LIST.

- BROWNE HIGHWAY
- BROWNSVILLE ROAD
- BRULAY PLANTATION
- CAMERON COUNTY
  COMMISSIONERS PRECINCT NO. 2
  (In accordance with War Instruction, precincts were not mapped)
- DAKOTA AVENUE
- INDIANA AVENUE
- LA CANASTA BANCO NO. 1
- LONGRENO BANCO NO. 3
- LOS BORREGOS BANCO NO. 123
- MATAMOROS
- MEXICO
- NOGALES RANCH
- OKLAHOMA AVENUE
- PALM GROVE SCHOOL
- FIPER PLANTATION
- RABB PALM GROVE
- RIO GRANDE
- SAN JOAQUIN RANCH
- SINGER PLANTATION
- SOUTH POINT
- SOUTHWEST
- TAMAULIPAS
- TEXAS
- UNITED STATES

Names underlined in red are approved. 8-14-52
L. Heck
49. NOTES FOR THE HYDROGRAPHER.

None
50. PHOTOGRAVMETRIC OFFICE REVIEW

T. 9226


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy__MS__

8. Bench marks__RW__

10. Photogrammetric plot report__RW__ 11. Detail points__RW__

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline__RW__

19. Other alongshore cultural features__RW__

PHYSICAL FEATURES

20. Water features__RW__ 21. Natural ground cover__RW__

22. 23. 24. 25. Spot elevations__RW__ 26. Other physical features__RW__

CULTURAL FEATURES


BOUNDARIES

31. Boundary lines__RW__

MISCELLANEOUS

33. Geographic names__RW__ 34. Junctions__RW__ 35. Legibility of the manuscript__RW__


39. Forms__RW__ 40. __Robert A. Wagner__

Reviewer

William A. Rasura

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__________

M-2629:12

43. Remarks:
Field Edit Report, T-9226

51. Methods.—The roads were raddened out to check their classification and to answer questions asked by the reviewer. At the same time all other features such as buildings, levees, ponds, etc., were verified.

Field edit information will be found on the Discrepancy Print, Field Edit Sheet and photographs 48-0-1440 and 1444.

Green ink was used for deletions; violet for additions and corrections.

52. Adequacy of compilation.—The map manuscript is well-compiled and will be complete after application of field edit information.

53. Map accuracy.—No tests were made.

54. Recommendations.—None offered.

55. Examination of proof copy.—It is recommended that the proof copy be sent to Mr. F. L. Rockwell, City Engineer, City Hall, Brownsville, Texas, for examination. He is intimately acquainted with the area and is believed to be qualified to make the examination.

No discrepancies were noted in geographic names.

Respectfully submitted,
8 April 1952

William H. Shearouse
William H. Shearouse,
Cartographer
Review Report
Planimetric Map T-9226
22 August 1952

62. Comparison with Registered Topographic Surveys: None


64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts: Chart No. 1288, 15 January 1951, 1:80,000.

66. Adequacy of Results and Future Surveys: This map complies with the project instructions and the National Map Accuracy Standards.

   No field inspection or field edit was made of the area compiled south of the Rio Grande in Mexico. The photographic interpretation of this area is considered to be satisfactory.

Reviewed by:

Charles Hanavich
Charles Hanavich

APPROVED

L. O. Landis 27 Jan. 1954
Chief, Review Section
Div. of Photogrammetry

W. M. Edmundson
Chief, Nautical Chart Branch
Div. of Charts

Max Stidick
Chief, Div. of Photogrammetry

Carl O. Hafstom
Chief, Div. of Coastal Surveys
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<td>1288</td>
<td>O. J. Hoffman</td>
<td>Examinable before- after Verification and Review No conv.</td>
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Before After Verification and Review

Before After Verification and Review

Before After Verification and Review

Before After Verification and Review

Before After Verification and Review

Before After Verification and Review

Before After Verification and Review

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.