

9226

"Original"

Diag Cht 1288

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-9226
LOCALITY	
State	TEXAS
General locality	RIO GRANDE
Locality	SOUTHEAST
194	
CHIEF OF PARTY      Field	
George E. Morris, Jr., Chief of/Party	
Arthur L. Wardwell, Tampa Photogrammetric	
Office	
LIBRARY & ARCHIVES	
DATE	MAR 25 1955

B-1870-1 (1)

9226

See 8, 1948 - Aug 1950

DATA RECORD

T -9226

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

Date registered (IV):

12-22-54

Publication Scale (IV): 1:20,000

Publication date (IV):

Geographic Datum (III): N. A. 1927

MHW

Vertical Datum (III):

~~MEAN LOW WATER~~ 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): SOUTHMOST, 1947

Lat.: 25° 51' 44".772 (1377.8m) Long.: 97° 23' 27".233 (758.2m)

Adjusted  
~~WRA201028K~~

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.





DATA RECORD

Field Inspection by (II): W. H. Nelson  
B. F. Lampton, 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

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 ~~on Stereoscopic~~  
~~Control Extension~~ by (III): M. M. Slavney

Date: 23 May 1951

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Inapplicable

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" Metrogon lens, Camera "0"  
U.S.C. & G.S. Nine-lens 8 1/4" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
1307	8 Dec 1948	1245	1:20,000	No tide
1308	"	1247	"	"
1309	"	1248	"	"
1310-1311	"	1300	"	"
1440-1441	"	1436	"	"
1444-1445	"	1442	"	"
25807	4 May 1950	1545	"	"

Tide (III)

Reference Station:  
Subordinate Station:  
Subordinate Station:

Inapplicable

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): *Charles Hanavich*

Date: *22 August 1952*

Final Drafting by (IV): *Ed Hunter 9-25*

Date: *9-25-53*

Drafting verified for reproduction by (IV): *W.D. Hallum*

Date: *9-30-53*

Proof Edit by (IV):

Date:

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 (II): 0.0

Number of Triangulation Stations searched for (II): 4

Recovered: *2*

Identified: *2*

Number of BMs searched for (II): 12

Recovered: *3*

Identified: *3*

Number of Recoverable Photo Stations established (III): *none one*

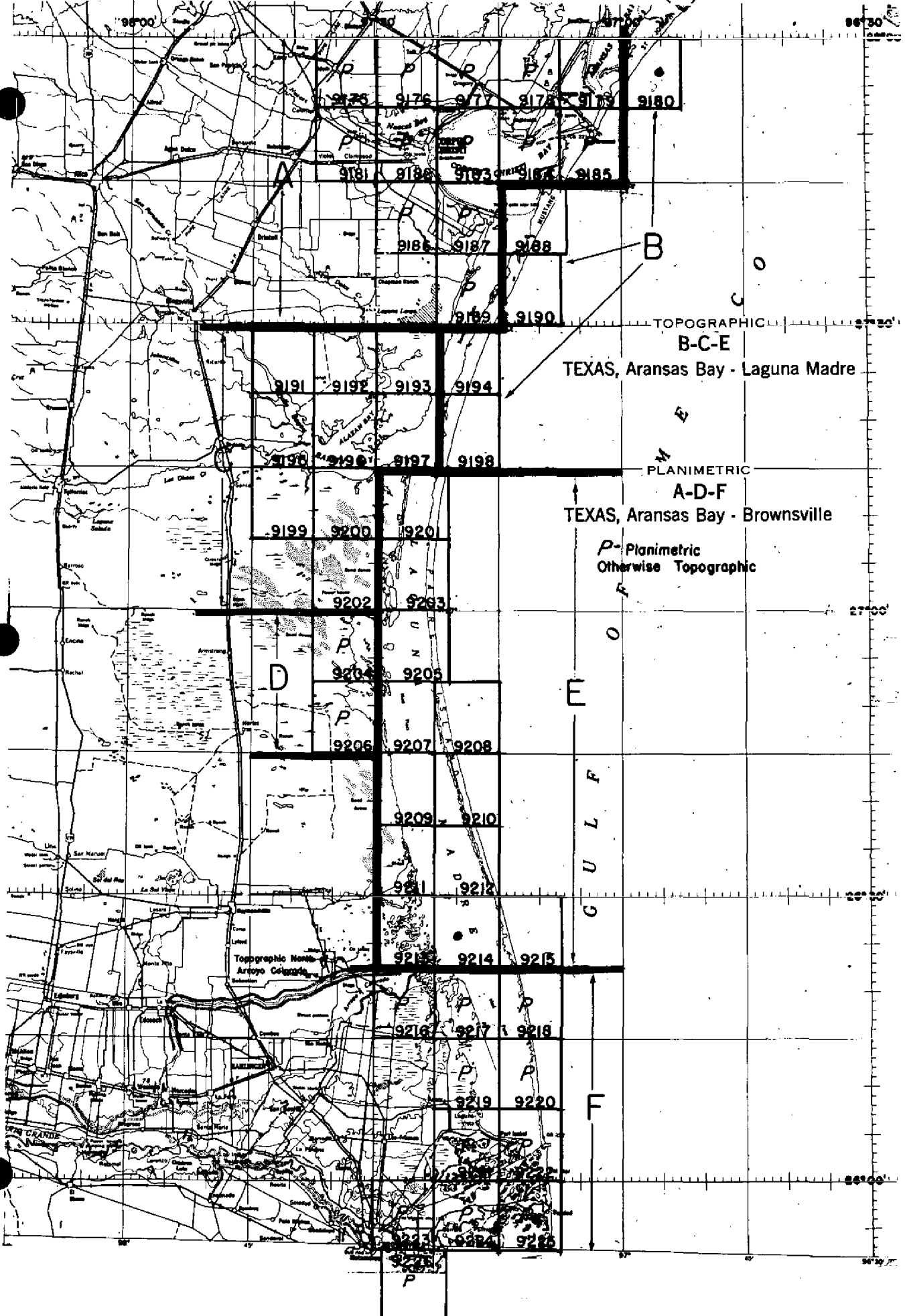
Recovered: *11 10*

Identified: *11 10*

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

Remarks:

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- 9226

Project Ph-36(48) consists of 52 quadrangles at 1:20,000 scale - each  $7\frac{1}{2}$  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 shoreline 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 USC&GS second-order bench marks were recovered and identified on single lens ratio print 48-0-1440: NO 47(IBC), NO 48(IBC), 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.

*This station was not recovered. Evidence furnished by the field editor indicates that this station has probably been destroyed.*



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

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

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

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  
14 August 1950

*George E. Morris, Jr.*

George E. Morris, Jr.  
Chief of Party



COMPILATION REPORT

T-9226

PHOTOGRAMMETRIC 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.

*verified by field editor.*

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 SOUTHMOST, 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  
Richard A. Reece  
Carto. Photo. Aid.

APPROVED AND FORWARDED:

Arthur L. Wardwell  
Arthur L. Wardwell  
Chief of Party

48. GEOGRAPHIC NAME LIST.

- BROWNE HIGHWAY ·
- BROWNSVILLE ROAD ·
- BRULAY PLANTATION ·
- CAMERON COUNTY ·
- COMMISSIONERS PRECINCT NO. 2 ·
- DAKOTA AVENUE ·
- INDIANA AVENUE ·
- LA CANASTA BANCO NO. 4 ·
- LONGORENO BANCO NO. 3 ·
- LOS BORREGOS BANCO NO. 123 ·
- MATAMOROS ·
- MEXICO ·
- NOGALES RANCH ·
- OKLAHOMA AVENUE ·
- PALM GROVE SCHOOL ·
- PIPER PLANTATION ·
- RABB PALM GROVE ·
- RIO GRANDE ·
- SAN JOAQUIN RANCH ·
- SINGER PLANTATION ·
- SOUTH POINT ·
- SOUTHMOST ·
- TAMAULIPAS ·
- TEXAS ·
- UNITED STATES ·

*(In accordance with USGS instructions,  
precincts were not mapped.)*

*Names underlined in red  
are approved. 8-11-52  
L. Heck*

49. NOTES FOR THE HYDROGRAPHER.

None





## Field Edit Report, T-9226 ✓

51. Methods.--The roads were rædden 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
63. Comparison with Maps of Other Agencies: Southwest <sup>west</sup> quad-  
rangle, USGS, Edition 1936, Reprint 1945, 1:31,680
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. C. Lande 23 Nov 1954  
Chief, Review Section  
Div. of Photogrammetry

J. W. Edmonson  
Chief, Nautical Chart Branch  
Div. of Charts

Max Skidmore  
Chief, Div. of Photogrammetry

Carl O. Heston JB  
Chief, Div. of Coastal Surveys



