

9203

"ORIGINAL" ✓

9203

| | |
|---|-------------------|
| Form 504 | |
| U. S. COAST AND GEODETIC SURVEY | |
| DEPARTMENT OF COMMERCE | |
| DESCRIPTIVE REPORT | |
| Type of Survey | TOPOGRAPHIC |
| Field No. | Office No. T-9203 |
| Project Ph-30(48)E | |
| LOCALITY | |
| State | TEXAS |
| General locality | LAGUNA MADRE |
| Locality | POTRERO CORTADO |
| 1952 | |
| CHIEF OF PARTY | |
| George E. Morris, Jr., Chief of Party | |
| Hilbert A. Paton, Baltimore Photo. Office | |
| LIBRARY & ARCHIVES | |
| DATE | MAR 31 1955 |

DATA RECORD

T-9203

Project No. (II): **Ph-36(48)E** Quadrangle Name (IV): **Potrero Cortado, 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**Copy filed in Division of
Photogrammetry (IV)

Office compilation assignment 8 June 1949

Supplement No. 2 (Field) 26 July 1949

Office Files

" No. 3 " 28 July 1949

" No. 1 " 24 Feb. 50

Method of Compilation (III): **Graphic**Manuscript Scale (III): **1:20,000**

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): **none**Date received in Washington Office **JAN 30 1951** Date reported to Nautical Chart Branch (IV): **2-5-51**Applied to Chart No. **894** Date: **11-20-51** Date registered (IV): **10-6-52****895** **12-13-51**

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): **CONE 1938**Lat.: **27° 03' 10.151" 312.4m** Long.: **97° 22' 46.284 1275.5m**Adjusted
Unadjusted: X

Plane Coordinates (IV):

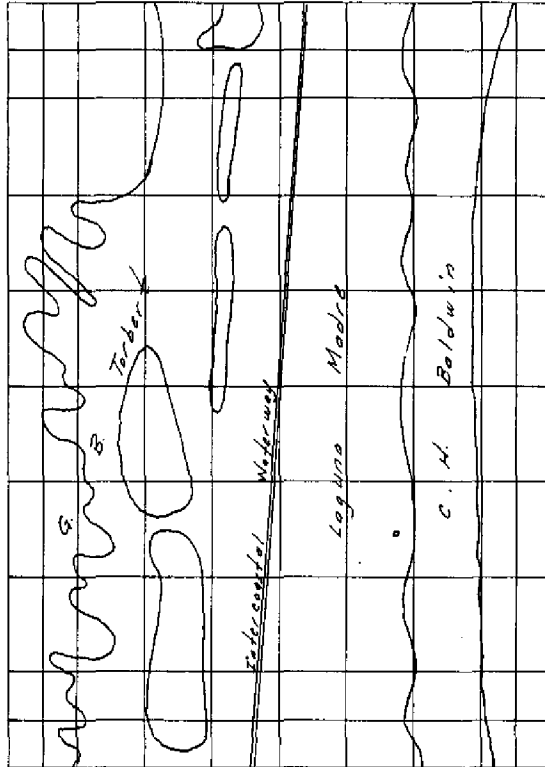
State: **Texas**Zone: **S.**

Y=

X=

Roman numerals indicate whether the item is to be entered by (I) Field Party, (II) 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)
 (II) (II)

DATA RECORD

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

Nov - Dec 1949
Date: April - May 1950

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

Date: Nov - Dec 1949
April - May 1950

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

Date: 1-5-52

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

1949 + 1950
Field Inspection

Projection and Grids ruled by (IV): **TLJ**

Date: 4/21/50

Projection and Grids checked by (IV): **HDW**

Date: 4/25/50

Control plotted by (III): **M. F. Kirk**

Date: 7/11/50

Control checked by (III): **J. W. Vonasek**

Date: 7/11/50

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

Date: 8/7/50

~~Stereoscopic Instrument Comparison (III)~~
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): **J. Council**

Date: 11/16/50

Photogrammetric Office Review by (III): **M. F. Kirk**

Date: 18 Jan. 1951

Elevations on Manuscript
checked by (II) (III): **M. F. Kirk**

Date: 17 Jan. 1951

Camera (kind or source) (III): U.S.C. & G.S. 9 lens camera, focal length $8\frac{1}{4}$ "
 Single lens Type 0 focal length 6"

| PHOTOGRAPHS (III) | | | | |
|-------------------|---------|------|----------|-----------------|
| Number | Date | Time | Scale | Stage of Tide |
| 0-1242 thru 44 | 12-8-48 | 1217 | 1:20,000 | |
| 0-1566 thru 73 | 12-9-48 | 1130 | " | Tide negligible |
| 25751 & 25752 | 5-4-50 | 1422 | " | |
| 25780 & 25781 | 5-4-50 | 1511 | " | |
| 0-1878 thru 84 | 12-9-48 | 1405 | " | |

Tide (III)

~~Tide negligible~~
 Reference Station: The mean range of tide in the Gulf of
 Subordinate Station: Mexico is 1 foot. In the Laguna Madre
 Subordinate Station: it is less than $\frac{1}{2}$ foot.

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | | |
| | | |
| | | |

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

Date: *5 June 1952*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

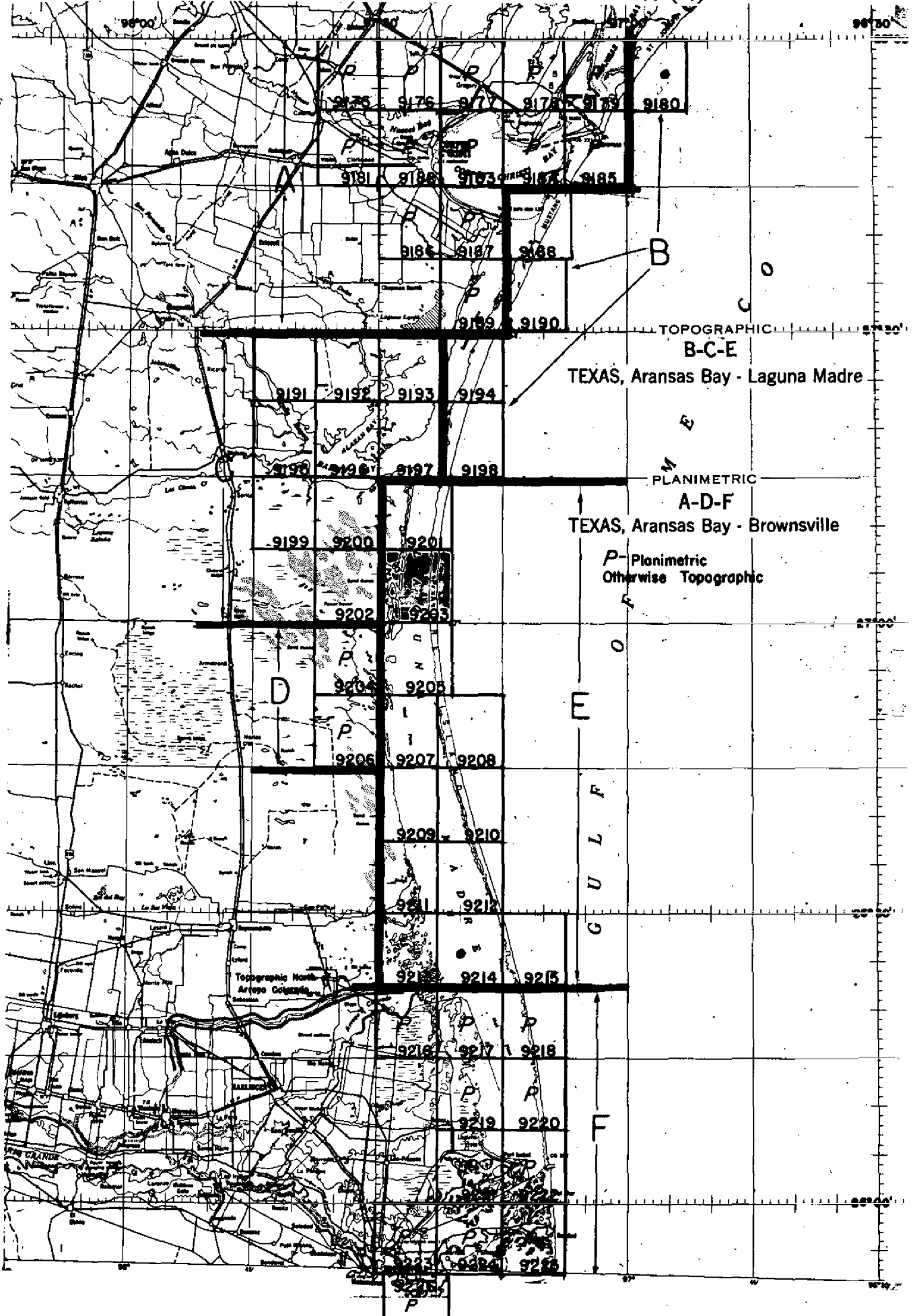
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 28
 Shoreline (More than 200 meters to opposite shore) (III): 78
 Shoreline (Less than 200 meters to opposite shore) (III): 00
 Control Leveling - Miles (II): 12.8
 Number of Triangulation Stations searched for (II): 16 Recovered: 12 Identified: 8
 Number of BMs searched for (II): 21 Recovered: 21 Identified: 21
 Number of Recoverable Photo Stations established (III):
 Number of Temporary Photo Hydro Stations established (III): none

Remarks:

I 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
Otherwise Topographic

G
U
L
F

Topographic Name
Arroyo Colorado

Summary T- 9203

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(45).

Information concerning Ph-36(48) in its broader reports 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

The area embraced by this quadrangle is in Kenedy County, Texas, and is divided into two sections by Laguna Madre.

That section of the mainland, on the west side of Laguna Madre, is entirely within the Kenedy Ranch. It is devoted entirely to cattle grazing and petroleum production. The petroleum industry is relatively new to the area but is rapidly expanding. Oil and gas are both produced in quantities.

The land is sandy and is covered by grass and scattered clumps of scrub oak. The terrain is an irregular pattern of low sand ridges. At one time the ridges were all bare shifting sand dunes moving in a northwesterly direction with the prevailing southeasterly winds. Vegetation has gradually taken root and consequently the dunes have taken on a stabilized formation.

That section east of Laguna Madre is a part of Padre Island. There is a sand and shell beach along the Gulf of Mexico paralleled by a ridge of grass covered sand dunes. These dunes are high in the northern part and become lower as the area is traversed from north to south. West of the ridge of dunes there are grass covered flats with scattered dunes much lower than those adjacent to the beach. West of the grass covered flats is an area of sand and mud flats which are covered by water at times, depending upon the meteorological conditions. During the time of field work, conditions were such that the water reached the vegetation line along the west side. At other times, water would be far offshore.

Photographs were of a recent date and little difficulty was encountered in their use except the shoreline of Laguna Madre.

Photographs used were single lens contact prints and single lens ratio prints, all 1:20,000 scale. Coverage of Padre Island was with contact prints.

The photographic tones are similar for both sections of the quadrangle. On Padre Island, the white tones are bare sand; light gray tones are dry grassy areas; dark gray tones are low grass covered areas; the few black tones are water; while the very light gray, almost white, tones on the west side of Padre Island are sand and mud flats. The major difference in the tones of the two areas is the black tones in the west area are either water or oak motts, the motts are always on higher ground which differentiates the two. The other tones have the same interpretation.

Interior field inspection of Padre Island was done on prints Nos. 48-0-1566 through 48-0-1573, all 1 of 2; the mainland section was done on Nos. 48-0-1242 through 48-0-1244.

3. HORIZONTAL CONTROL

Triangulation stations GUM 1913, POST 1938, SQUAT 1938, and BOUY 1913, were reported lost. All other existing control was recovered and identified. Four third-order triangulation stations were established. These are fixed aids to navigation and are intersection stations. None of them were in existence at the time of photography, consequently they have not been identified.

Horizontal control was identified on photographs Nos. 48-0-1568, 2 of 2; 48-0-1569, 2 of 2; 48-0-1570, 2 of 2; 48-0-1572, 2 of 2; 48-0-1879; and 48-0-1882.

4. VERTICAL CONTROL

On Padre Island, the Humble Oil and Refining Company had established a second-order elevation on triangulation station DUNN 1939 of 4.513 feet, Mean Sea Level Datum of 1929. This was the only vertical control on Padre Island. A line of fourth-order levels was run, originating on triangulation station UNION 1939 in quadrangle T-9198() to the north, using a fourth-order elevation obtained from a closed loop based on Tidal Bench Mark No. 1, Mustang Island, 1934, to triangulation station DUNN 1939. The closing error was ± 0.23 foot and was not adjusted. Fly level points 03-01 through 03-16 were established.

Photographs Nos. 48-0-1566 through 48-0-1573, all 1 of 2, were used for vertical control on Padre Island.

Twenty-one USE bench marks were recovered, identified, and when needed, used to control planetable contouring. They are BM 172 through BM 188, BM 191, BM 194 through BM 196. Their elevations as determined by the USE, are on mean low tide. The relation between this datum and Mean Sea Level Datum of 1929 was determined by this party to be -1.02 feet. This correction was applied to the USE elevation of each bench mark. No additional levels were run. These bench marks were identified on photographs Nos. 48-0-1242 through 48-0-1245.

5. CONTOURS AND DRAINAGE

Contouring of the entire area was done by standard planetable methods directly on the photographs.

Due to the ruggedness of the sand dunes on Padre Island, the contours were generalized to a great extent. Most dunes are steep, with sharp peaks, and in general the highest contour is too small to show at this scale. In the northern section of the area on Padre Island, where the dunes are high and steep, the 25 and 35 foot contours have been omitted. At the time of contouring a number of small islands on the west side could not be reached because of high water. All are below the five foot contour.

A satisfactory junction was made with contemporary surveys on the north, south, and west.

Contouring was performed on photographs Nos. 48-0-1566 through 48-0-1573, all 1 of 2, and 48-0-1242 through 48-0-1244.

There is no definite drainage pattern.

6. WOODLAND COVER

The entire area is open except for two small oak motts (clumps) in the west section.

7. SHORELINE AND ALONGSHORE FEATURES

Because of high tides and stormy conditions, the mean low water line was not delineated.

Inspection of the MHWL and MLWL in Laguna Madre is to be done on nine lens photographs taken in May 1950. This will be covered in "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)."

Shoreline inspection of the Gulf of Mexico was done on photographs Nos. 48-0-1566 through 48-0-1573, all 2 of 2.

8. OFFSHORE FEATURES

There were no offshore features to be investigated during field inspection.

9. LANDMARKS AND AIDS

Chart Letter 921 (50)
See "Special Report, Supplemental Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado."

There are no landmarks to be charted.

10. BOUNDARIES, MONUMENTS, AND LINES

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

11. OTHER CONTROL

Seven
Eight recoverable topographic stations were established as follows:
GALE 1949; STOP 1949; BURG 1949; AZIMUTH MARK CON 1913; USE BM 172; USE BM 178;
USE BM 186; AZIMUTH MARK LOPENA 1913.

04 T9201

12. OTHER INTERIOR FEATURES

All roads on the mainland section are private.

There is a road on the west side of Padre Island. Where necessary this road was dashed in with red ink to facilitate compilation. The little vehicular traffic is along the beach at suitable stages of the tide.

13. GEOGRAPHIC NAMES 854
LH

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

All well names appearing on "Map of Kenedy County, Texas, Showing Location of Water Wells", appended to the previously mentioned report, were verified by Mr. Francis French, County Engineer, and Mr. Louis Turcott, Justice of the Peace, insofar as the wells within this quadrangle are concerned.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"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.

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

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

Data, Quadrangle T-9203(), letter of transmittal Ph-36 Field 68, forwarded to Baltimore Office 3 July 1950.

Data, Quadrangle T-9203(), Padre Island Section, forwarded to the
Washington Office 8 February 1950.

Submitted
30 June 1950

Grover B. Torbert
Grover B. Torbert
Cartographic Survey Aid

Approved
3 July 1950

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

MAP T. 9203 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 λ -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) | |
| RAINBOW 1939 | G-4304 P.124 | N.A. 1927 | 27 06 04.610 97 23 10.318 | | | | 141.9 284.2 | 1704.8 1368.6 | |
| Sub Pt RAINBOW, 1939 | | | Plotted graphically | | | | | | |
| KEYHO, 1938 | G-4304 P.128 | " | 27 06 05.977 97 22 39.256 | | | | 184.0 1081.4 | 1662.7 571.4 | |
| GUMBO, 1938 | G-4304 P.128 | " | 27 04 46.758 97 22 43.364 | | | | 1439.1 1194.8 | 407.6 458.3 | |
| SUB.PT. GUMBO, 1938 | | | 27 04 97 22 | | | | 761.9 1139.1 | 1084.8 514.0 | |
| DUNN, 1939 | G-4304 P.124 | " | 27 02 51.393 97 23 04.456 | | | | 1581.8 122.8 | 264.9 1530.8 | |
| CONE, 1938 | G-4304 P.128 | " | 27 03 10.151 97 22 46.284 | | | | 312.4 1275.5 | 1534.3 378.0 | |
| SUB.PT. CONE, 1938 | | | Plotted graphically | | | | | | |
| CANALA, 1939 | G-4304 P.124 | " | 27 02 42.967 97 28 17.948 | | | | 1322.4 494.6 | 524.3 1159.0 | |
| SUB.PT.CANALA, 1939 | | | Plotted graphically | | | | | | |
| CON, 1913 | G-4304 P.124 | " | 27 05 33.047 97 27 25.625 | | | | 1017.1 705.9 | 829.6 947.0 | |
| SUB.PT. CON 1913 | | | 27 05 97 27 | | | | 1163.2 940.0 | 683.5 712.9 | |

1 FT. = 3048006 METER
COMPUTED BY M.L. Bloom
CHECKED BY H.R. Rudolph
DATE 5-12-50 DATE 5-12-50
M-238B-12

MAP T. 9203 PROJECT NO. Ph-36(48)E 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) |
| INDIAN 2, 1913 | G 4304 P. 129 | N.A. 1927 | 27 01 | 57.407 | | | | 1766.9 | 79.8 | | |
| SUB.PT. INDIAN 2, 1913 | | | 97 27 | 32.427 | | | | 893.8 | 760.0 | | |
| CORPUS CHRISTI- PORT ISABEL LT. 201, 1949 | Texas Coast P. 176 | N.A. 1927 | Plotted graphically | | | | | 1407.7 | 439.0 | | |
| CORPUS CHRISTI- PORT ISABEL LT. 215, 1949 | Texas Coast P. 176 | " | 97 26 | 27.015 | | | | 744.1 | 908.6 | | |
| CORPUS CHRISTI- PORT ISABEL LT. 216, 1949 | Texas Coast P. 177 | " | 27 04 | 56.950 | | | | 1752.8 | 93.9 | | |
| CORPUS CHRISTI- PORT ISABEL LT. 217, 1949 | Texas Coast P. 177 | " | 97 26 | 33.888 | | | | 933.6 | 719.5 | | |
| | | | 27 03 | 08.384 | | | | 258.0 | 1588.7 | | |
| | | | 97 26 | 45.139 | | | | 1244.0 | 409.5 | | |
| | | | 27 00 | 18.742 | | | | 576.8 | 1269.9 | | |
| | | | 97 26 | 52.188 | | | | 1438.8 | 215.4 | | |
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1 FT. = 3048006 METER
COMPUTED BY H.R. Rudolph
CHECKED BY M.F. Kirk
DATE 10 July 1950
DATE 10 July 1950
Page 13
M-2388-12

COMPILATION REPORT

T-9203

PHOTOGRAMMETRIC PLOT REPORT

See Descriptive Report for T-9200

31. DELINEATION

Delineation of topographic map manuscript T-9203 was by graphic methods.

32. CONTROL

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

33. SUPPLEMENTAL DATA

See item 14 of the Field Report.

34. CONTOURS AND DRAINAGE

See item 5 of the Field Inspection Report.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line of the Gulf of Mexico was delineated from 9 lens photographs taken in May 1950. These show that the mean high water line has receded about 1 mm since the field inspection of the fall of 1949.

For the remaining shoreline a storm water line was delineated in lieu of the usual mean high water line. This was taken from 9 lens field photos with field inspection.

The approximate low water lines were delineated from data furnished by the field party on the 9 lens photos.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

There are no landmarks.

Form 567 has been submitted for four lights along the Intracoastal Waterway March 1, 1950.

38. CONTROL FOR FUTURE SURVEYS

There are no photo hydro stations.

Forms 524 are being submitted for seven topo stations. These are listed under item 49 of this report.

39. JUNCTIONS

Junctions are in agreement and have been made to the north with T-9201, and to the south with T-9205. The project limits are to the east.

There is a minor discrepancy in the junction of contours with those of survey T-9202 to the west. This should be reconciled in the Washington Office and it has been noted on the discrepancy overlay.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45.

No comment.

46. COMPARISON WITH EXISTING MAPS

Map Manuscript No. T-9203 has been compared with Corps of Engineers, U.S. Army Progressive Military Map, Point Penescal Quadrangle, surveyed 1909, printed 1920 and reprinted 1928, scale 1:125,000.

47. COMPARISON WITH NAUTICAL CHARTS

Map Manuscript No. T-9203 has been compared with Nautical Chart No. 1287, Gulf Coast - Texas - Northern Part of Laguna Madre, scale 1:80,000, published at Washington, D. C. July 1949, revised to October 17, 1949.

Items to be applied to nautical charts

None.

Items to be carried forward

None.

Respectfully submitted

Judson Y. Councill
Judson Y. Councill
Cartographic Draftsman

Approved and forwarded

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

48. GEOGRAPHIC NAME LIST

- ✓ Caballos Island * Potrero Grande (B.G.N., 10/51)
- ~~Commissioner Precinct #1~~
- ✓ Canela Island * Potrero de las Canelas (")
- ✓ Cuba Island ✓
- Gulf of Mexico ✓
- Intracoastal Waterway ✓
- Kenedy County ✓
- Kenedy Ranch ✓
- ~~Lopez Island~~ * Potrero de los Caballos (B.G.N., 10/51)
- Laguna Madre
- ✓ Lopena Well ✓
- ~~Lopena Island~~ * (B.G.N. decision) Potrero Lopeno (B.G.N., 10/51)
- ✓ Medanito Well ✓
- ✓ Middle Ground ✓
- Padre Island ✓
- ✓ ~~Potrero Cortado~~ * Potrero Farias (B.G.N., 10/51)
- ~~Requena Island~~ * Potrero Cortado (B.G.N., 10/51)
- ✓ The Hole * (B.G.N., 10/51)
- Texas

Names underlined
in red are approved.
6-19-51. 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

All BGN decisions in
1951 are applied, as above
6-4-52
L. Heck.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9203

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy Meters 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) Meters 7. Photo hydro stations — 8. Bench marks Meters 9. Plotting of sextant fixes None 10. Photogrammetric plot report Meters 11. Detail points Meters

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline Meters 13. Low-water line Meters 14. Rocks, shoals, etc. Meters 15. Bridges None 16. Aids to navigation Meters 17. Landmarks None 18. Other alongshore physical features Meters 19. Other along-shore cultural features Meters

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads Meters 28. Buildings Meters 29. Railroads None 30. Other cultural features None

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

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

40. [Signature] 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 ~~AND LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Brownsville, Texas 1 March, 1950

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

Millard F. Kirk

George E. Morris, Jr.

Chief of Party

| CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION | | | | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHART AFFECT |
|---------------|-----------------------------|-------------|----------|----|-----------|----|-----------------------------------|------------------|--------------|---------------|----------------|--------------|
| | | | LATITUDE | | LONGITUDE | | | | | | | |
| | | | ° | ' | ° | ' | | | | | | |
| Light No. 201 | Corpus Christi, Port Isabel | | 27 | 06 | 1407.7 | 97 | 26 | 744.1 | N.A. 1927 | 1949 | X | 1287 |
| " 215 | " " " | | 27 | 04 | 1752.8 | 97 | 26 | 933.6 | " 2 | " | X | " |
| " 216 | " " " | | 27 | 03 | 258.0 | 97 | 26 | 1244.0 | " | " | X | " |
| " 217 | " " " | | 27 | 00 | 576.8 | 97 | 26 | 1438.8 | " | " | X | " |
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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-9203

51. Methods.--Roads and trails were ridden out and some cross-country driving was done by Jeep to obtain complete visual inspection of the map detail. The storm water line of the islands west of the Intracoastal Waterway was walked to check its delineation and possible changes. The beach and roads on Padre Island were travelled by Jeep. Spoil banks and the mud flat area adjacent to the Intracoastal Waterway were inspected from a boat.

Field edit information will be found on two Field Edit Sheets which are numbered 1 of 2 and 2 of 2.

52. Adequacy of compilation.--Map details are well-compiled and will be complete after application of field edit information.

53. Map accuracy.--The only testing by instrument was along the Gulf beach of Padre Island. The 5-foot contour and compilation of the high water line were checked by planetable methods for a distance of approximately 4 miles. The test was controlled by triangulation stations horizontally and fly level elevations vertically. The placement of the contour and high water line proved to be correct.

From visual inspection the contour pattern appears to be adequate throughout.

54. Recommendations.--If later information relative to changes in the mud flat area of the Laguna Madre, in the vicinity of Potrero Cortado, caused by the digging of the Intracoastal Waterway, is desired, it is recommended that the Resident Engineer, Corps of Engineers, U. S. Army, at Corpus Christi, Texas be contacted. His office is making a study of conditions here.

55. Examination of proof copy.--Mr. Francis G. French, Sarita, Texas, has agreed to examine the proof copy of the map. He is Kenedy County Surveyor and as a Kenedy Ranch employee is familiar with the area.

No new discrepancies or conflicts in geographic names were detected.

Respectfully submitted,
5 January 1952

William H. Shearouse
William H. Shearouse,
Cartographer

REVIEW REPORT T-9203
Topographic Map
5 June 1952

62. Comparison with Registered Topographic Surveys:

| | | |
|--------|----------|------|
| T-1678 | 1:20,000 | 1881 |
| T-1679 | 1:20,000 | 1881 |

T-9203 supersedes this survey for nautical charting purposes.

See Item 66 below for a discussion of the special treatment of shoreline interpretation and delineation by this survey as compared to the above surveys.

63. Comparison with Maps of Other Agencies:

Point Penescal, Texas (USE) 1:125,000 1909, Revised 1928.

No significant differences are to be noted.

64. Comparison with Contemporary Hydrographic Surveys:

| | | |
|--------|----------|------|
| H-6397 | 1:20,000 | 1938 |
|--------|----------|------|

This sheet covers the Gulf of Mexico only. No discrepancies were noted.

65. Comparison with Nautical Charts:

Chart 1287 1:80,000 4th Edition (1941) 51-3/5.

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

66. Shoreline Interpretation and Delineation:

Water stages in the Laguna Madre 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
Gordon B. Willey

Approved:

L. C. Lande 6 Jan 1955
Chief, Review Section
Division of Photogrammetry

Max Skelton
Chief, Div. Photogrammetry

J. M. Edmonston
Chief, Nautical Chart Branch
Division of Charts ^{6FJ}

Earl O. Hutton
Chief, Div. Coastal Survey

HISTORY OF HYDROGRAPHIC INFORMATION
QUADRANGLE T-9203

Laguna Madre - Potrero Cortado, Texas

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 and 30 foot depth curves at mean low water datum originate with the following:

USC&GS Hydrographic Survey:
H-6397 (1938) 1:20,000

USC&GS Nautical Charts:
894, 1:40,000 aid proof, 1st ed. May, 1952
895, 1:40,000 " " " " April, 1952
1287, 1:80,000 print dated 52-6/23, was compared
with the coastal hydrography.

Hydrography compiled by K. N. Maki and verified by C. B. Samuel 8/7/52.

Note: Nautical Chart Files Letter 585(52) shows a channel at approx. Lat. 27° 06' N. extending about 7000 ft. eastward from IWW. See permit 1775.

K. N. Maki

K. N. Maki
Division of Photogrammetry
20 June 1952

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9203

Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|-----------|-------|-------------------|--|
| 20 Nov 51 | 894 | <i>W. MacEwen</i> | Before After Verification and Review |
| 13 Dec 51 | 895 | <i>W. MacEwen</i> | Before After Verification and Review |
| 8/7/91 | 11304 | <i>L. Adam</i> | Before After Verification and Review <i>SS by BP/43754 to 759</i> Before After Verification and Review |
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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.