

9181

Diag. Cht. No. 1286-2

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)A Office No. T-9181

LOCALITY

State TEXAS

General locality NUECES BAY

Locality CLARKWOOD

19 / 51

CHIEF OF PARTY

C.W. Clark, Chief of Party (Field)

H.A. Paton, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE Dec-17-1953

B-1870-1 (1)

9181

DATA RECORD

T - 9181

Project No. (II): Ph-36(48)A Quadrangle Name (IV):

Field Office (II): Corpus Christi, Texas

Chief of Party: C.W. Clark

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):

Copy filed in Division of

14 February 1949 - Supplement No. 2(Field) 26 July 1949 Photogrammetry (IV)
 " " " " 28 July 1949 Office Files
 Office Compilation Assignment, 8 June 1949

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): 2-3-50 Date reported to Nautical Chart Branch (IV): 2-10-50

Applied to Chart No.

Date:

Date registered (IV): 7-30-53

Publication Scale (IV): 1:20 000

Publication date (IV):

Geographic Datum (III): N.A.1927

Vertical Datum (III): MHW

~~Mean sea level~~ except as follows:
 Elevations shown as (25) refer to mean high water
 Elevations shown as (S) refer to sounding datum
 i.e., mean low water or mean lower low water

Reference Station (III): ROGERS 2, 1949

Lat.: 27° 46' 37.548
(1155.8m)

Long.: 97° 37' 09.539
(261.2m)

~~XXXXXXXX~~
Unadjusted

Plane Coordinates (IV):

State: Texas

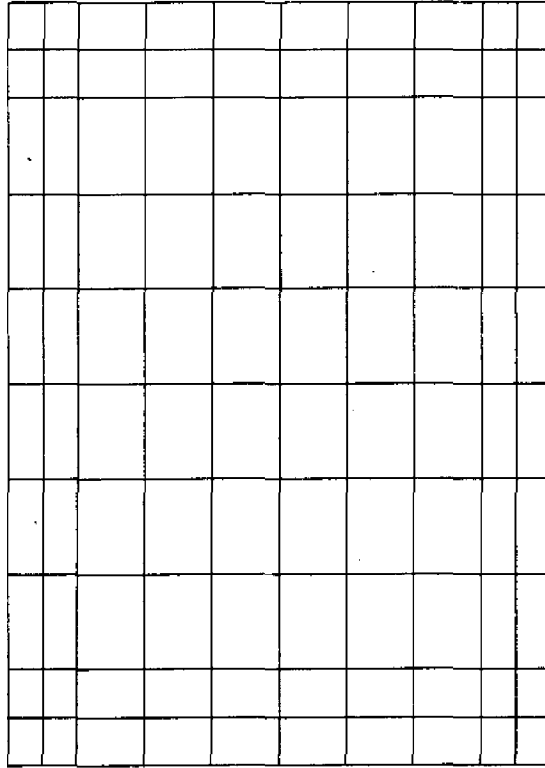
Zone: South

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.



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

DATA RECORD

Field Inspection by (II): W.M. Reynolds Date: March, April 1949

Planetable contouring by (II): None Date:

Completion Surveys by (II): W.H. Shearouse Date: Sept 14, 1951

Mean High Water Location (III) (State date and method of location): 12-8-48
Identified on field photographs

Projection and Grids ruled by (IV): WEW Date: 6-23-49

Projection and Grids checked by (IV): HDW Date: 6-26-49

Control plotted by (III): F.J.Tarcza Date: 7-29-49

Control checked by (III): B. Wilson Date: 8-12-49

Radial Plot ~~or Stereo~~ Stereoscopic F.J.Tarcza Date: 9-23-49
Control extension by (III):

Planimetry Date:
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): M.L.Bloom Date: Nov. 21, 1949

Photogrammetric Office Review by (III): J.W.Vonasek Date: Jan. 19, 1950

Elevations on Manuscript J.W.Vonasek Date: Jan. 3, 1950
checked by (II) (III):

Camera (kind or source) (III): USC&GS Type O, single lens, focal length 6"

Number		Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
48-0-1366 to 1368		12-8-48	1344	1:20,000	not computed
48-0-1383 to 1386		12-8-48	1356	1:20,000	(tide negligible)
25770					
25771		5-4-50		1:20000	
25772					

Tide (III)

Reference Station: Galveston
Subordinate Station:
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4

Washington Office Review by (IV): *C. Theurer*

Date: 9-18-52

Final Drafting by (IV): *M. P. Taylor*

Date: 2/18/53

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

Date: 2-20-53

Proof Edit by (IV): *W. Stimpfer*

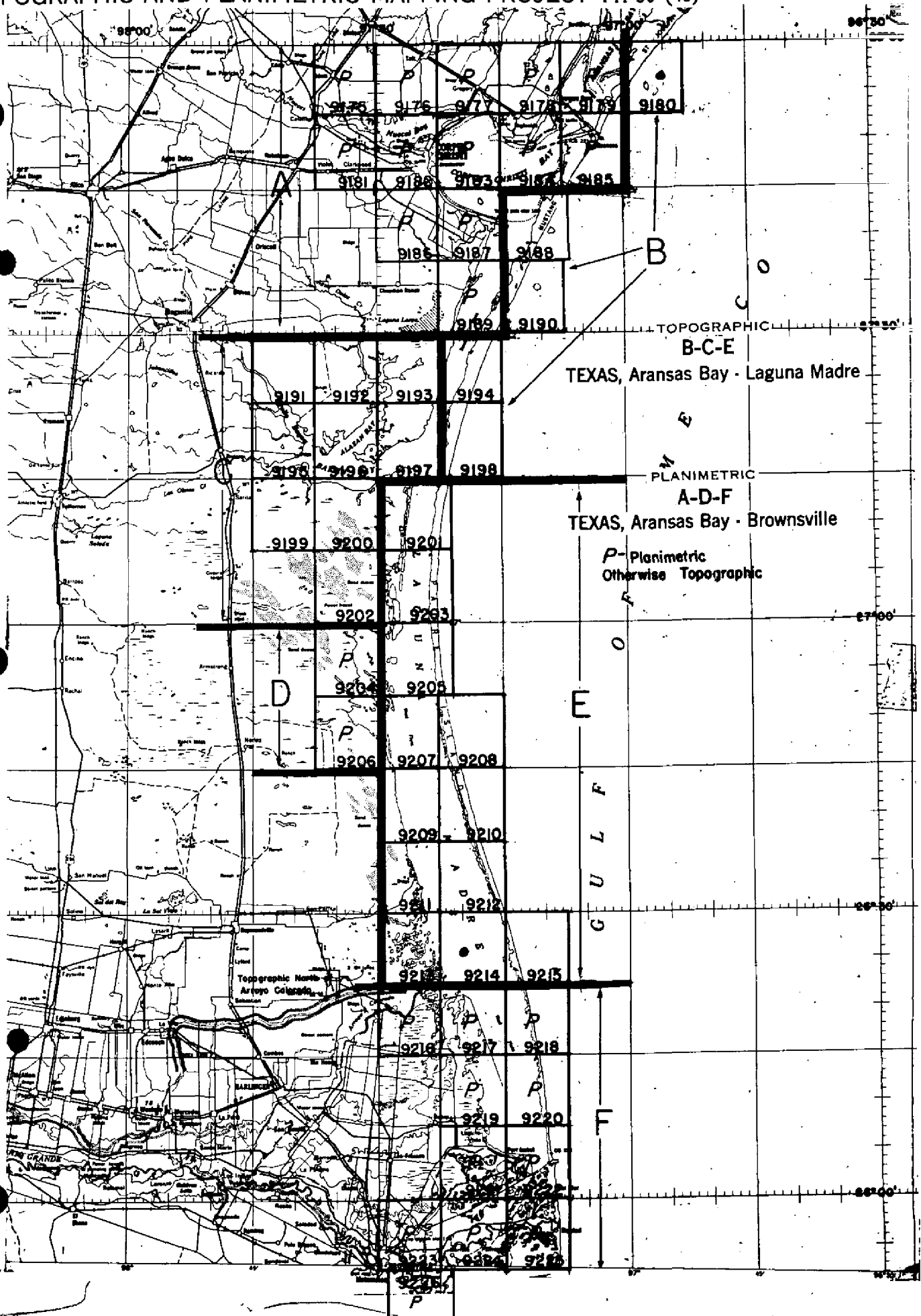
Date: 7-1-53

Land Area (Sq. Statute Miles) (III): 54
Shoreline (More than 200 meters to opposite shore) (III): 3
Shoreline (Less than 200 meters to opposite shore) (II): 11
Control Leveling - Miles (II): 0
Number of Triangulation Stations searched for (II): 12
Number of BMs searched for (II): 32
Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 0

Recovered: 6 Identified: 6
Recovered: 26 Identified: 26
0
0

Remarks:

TOPOGRAPHIC AND PLANIMETRIC MAPPING PROJECT PH-36 (48)



Summary T- 9181

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 planimetric quadrangle is located in southern Texas and just west of the City of Corpus Christi. The entire area is land except for a very small part of the northeast corner which extends into Nueces Bay. The land is flat and very fertile, which makes it ideal for farming. The principal crops of the area are cotton and a sizable amount of truck farming.

In addition to farming, the exploration and development of the oil industry is quite prominent in the area. A large oil field is in operation around Clarkwood, which is a small town located in the south-central part of the quadrangle.

The area is accessible by two good highways and also two railroads. State Highway 44 crosses the quadrangle in an east-west direction. State Highway 9 crosses the quadrangle in a north-east-southwest direction. The Texas-Mexican Railroad parallels State Highway 44 across the area and the Missouri-Pacific Railroad crosses both northeast and northwest corners of the quadrangle.

Oso Creek to the south and Nueces River to the north are the principal natural features of the quadrangle.

Field inspection was done on 1:20,000 ratio prints and is believed to be adequate and complete.

The land in the area is very dark and in most cases the photographs have a greyish tone even though parts of the area are used for pastures and are covered with grass. This is accounted for as due to the color of the soil and also due to the photography being done in the winter when the grass had very little growth. The numerous white spots which show on photographs 1366 and 1368 are dumps of spoil from drilling operations, which have bleached in the sun and show very white. These spots have been labeled on the photographs.

3. HORIZONTAL CONTROL.

During the course of field inspection in this quadrangle, a triangulation scheme was executed by the Division of Geodesy. Prior to this scheme only one Coast and Geodetic Survey horizontal control station was recovered and identified. At a later date, the stations established by this scheme were identified.

Several traverse stations of the U.S. Geological Survey were recovered and identified. Two U.S. Coast and Geodetic Survey stations immediately adjacent to the area were recovered and identified.

The following U.S. Coast and Geodetic Survey triangulation stations were searched for and not recovered: ACES - 1933, SHASTER - 1933, and ROGERS - 1905. The following U.S. Geological Survey traverse stations were searched for and not recovered:

Railroad Water Tank - 1923	
PTS 14-Y 1923	PTS 35-Y 1923
PTS 15-Y 1923	PTS 37-Y 1923
PTS 16-Y 1923	PTS 38-Y 1923
PTS 18-Y 1923	PTS 39-Y 1923
PTS 34-Y 1923	PTS 40-Y 1923

4. VERTICAL CONTROL.

All Coast and Geodetic Survey and Geological Survey bench marks within the area and immediately adjacent thereto were searched for or recovered

The following bench marks within this quadrangle and immediately adjacent thereto were recovered and identified:

V 585	V 609	A 589	F 589
W 585	W 609	B 589	G 589
X 585	X 609	C 589	H 589
Y 585	Y 609	D 589	N 46
Z 585	Z 609	E 589	M 919
V 588	C 607	PTS 36-Y	
W 588	D 607	PTS 17-Y	
Q 589	E 607	PTS 21-Y	
R 589		PTS 22-Y	
S 589	60(T.R.D.)		

Form 685 was submitted for these and all other bench marks in the adjacent area.

5. CONTOURS AND DRAINAGE.

As this is a planimetric map, no contouring was done.

The major drainage in the area, is the Nueces River in the north part of the quadrangle and Oso Creek which drains the southern part of the area. The Nueces River is a sizable river which drains from a northwest to southeast direction and empties into the bay of the same name. Only the head of Oso Creek is in the south-central part of the area. The head of the creek is near the small settlement of Violet. The course of the creek is approximately parallel to that of the river but the terminus of the creek is Oso Bay, which in turn empties into Corpus Christi Bay.

6. WOODLAND COVER.

All woodland cover consists of small acreages of mesquite and chapparal. All of the woodland is of the scrub variety and has been classified as such.

7. SHORELINE AND ALONGSHORE FEATURES.

Shoreline within the limits of this quadrangle is confined to the Nueces River and a very small portion of Nueces Bay.

The shoreline of the river at normal stages is visible on the photographs and was not indicated. The marsh area, immediately adjacent to the river is very low and is covered when the river is at flood stage.

The shoreline along Nueces Bay is marsh line and has been indicated as such.

There is no perceptible periodic tide in Nueces Bay. The only tidal action is caused by winds and the low water line is synonymous with the mean high water line.

Where the marsh and fast land meet south of the Nueces River, bluffs are the most prominent natural feature. These bluffs are from 30 to 50 feet high and parallel the limits of the marsh throughout the northeast corner of the quadrangle.

There are no docks, piers, or landings.

There are no shoreline structures.

8. OFFSHORE FEATURES.

The only offshore features within this quadrangle will be a new power line crossing Nueces Bay in an east-west direction. The pole line originates at Central Power and Light Company, Nueces Bay Power Plant. The pole line will enter this quadrangle approximately directly west of triangulation station VIOLA, 1933.

Very few of the poles were in place at the time of this survey and the exact route of the pole line could not be determined. This one phase is incomplete and should be investigated by Field Edit.

9. LANDMARKS AND AIDS. *See # 37 of Compilation Report*

There are no landmarks for nautical charts within this quadrangle.

Interior landmarks consist chiefly of the highway and railroad systems; also the power transmission and cross-country telephone lines.

The Municipal Water Tank in Clarkwood is the most prominent structure above ground and would be a suitable aeronautical landmark. This tank has been identified on photograph 1366.

There are no aeronautical aids.

There are no fixed or floating aids to navigation.

10. BOUNDARIES, MONUMENTS AND LINES.

All information on boundaries will be found in "Special Report, Boundaries, Baffin Bay to Latitude 28° 00', Project Ph-36(48).

11. OTHER CONTROL

No other control of any type was established by this party.

12. OTHER INTERIOR FEATURES.

Road classification was done in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947 as amended 24 October 1947.

Buildings and structures were classified in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948.

#11.

There are no bridges or cables over navigable waters. One submerged pipeline with a telephone line paralleling the pipeline has been indicated on photograph 1368. The pipeline and pole line originate at the Humble Oil Company pumping station and continue straight across the river and bay into quadrangle 9176. The route of the Pipeline is visible on photograph 1368.

Two small airports are found within this quadrangle, outlying Field 31 and Douglas Airport. Outlying Field 31 is a part of the U.S. Navy's Advanced Air Training system but was inactive at the time of this survey. Douglas Airport is a small privately owned field. The landing area is entirely sod and suitable for small light aircraft only.

13. GEOGRAPHIC NAMES.

The investigation of geographic names is now in progress and will be the subject of a special report to be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

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

A special report on geographic names will be submitted at a later date. The title of the report and the area covered are not known at the present time.

Coast Pilot Information will be submitted in a special report at a later date.

There are no special maps or plats to be submitted with field data for this map other than that contained in the above mentioned Special Reports.

Letter transmitting field records Ph-36-Field-6.

Submitted:
1 June 1949.

W. M. Reynolds
W.M. Reynolds
Cartographer (Photo.)

Approved:
10 June 1949

Charles W. Clark
Charles W. Clark,
Lt. Comdr., USC&GS
Chief of Party.

MAP T 9181

PROJECT NO Ph-36(48)A

SCALE OF MAP 1:20,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -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)	
CALLEN, 1949	G-8043 P.2 Field	N.A. 1927	27 51	47.106				1450.0	396.9	
SUB.PT. CALLEN, 1949		"	27 51					402.8	1238.6	
PTS. No.22Y,1923 (USGS)	USGS ROBSTOWN QUAD.P.6	N.A.	27 49	49.32	1518.1	(328.7)	+ 3.4	1486.4	(360.5)	
SUB.PT. PTS. No.22Y, 1923(USGS)		"	27 32	09.97	272.8	(1369.1)	-25.4	352.6	(1288.8)	
SHASTER, 1933	G-2874 P.54	N.A. 1927	27 49	39.396				1521.5	(325.3)	
PTS.No.21Y,1923 (USGS)	USGS ROBSTOWN QUAD.P.6	N.A.	27 31	43.017				247.4	(1394.5)	
SUB.PT. PTS. No.21Y, 1923		"	27 48	00.74	22.8	(1824.1)	+ 3.4	1535.2	(311.6)	
CLARKWOOD, MUNICI- PAL WATER TANK, 1949	G-8043 Field	N.A. 1927	97 32	08.57	(234.6)	(1407.8)	-25.4	237.8	(1404.1)	
PTS.No.17Y,1923 (USGS)	USGS ROBSTOWN QUAD.P.5	N.A.	27 48					1212.6	(634.2)	
SUB.PT. PTS. No.17Y, 1923		"	97 32					1177.2	(464.8)	
CLARKWOOD, MUNICI- PAL WATER TANK, 1949	G-8043 Field	N.A. 1927	27 47	02.34				26.2	(1820.7)	
PTS.No.17Y,1923 (USGS)	USGS ROBSTOWN QUAD.P.5	N.A.	97 32	07.95				209.2	(1433.2)	
SUB.PT. PTS. No.17Y, 1923		"	27 45	40.46	1245.4	(601.5)	+ 3.4	17.3	(1829.6)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	97 33	59.62	1632.6	(10.4)	-25.4	217.4	(1425.0)	
SUB.PT. PTS. No.17Y, 1923		"	27 45					72.0	(1774.8)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	27 46	37.548				217.7	(1425.0)	
SUB.PT. PTS. No.17Y, 1923		"	97 37	09.539				1248.8	(598.1)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	27 46					1607.2	(35.8)	
SUB.PT. PTS. No.17Y, 1923		"	97 37					1360.8	(486.1)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	27 46	37.548				1602.5	(40.5)	
SUB.PT. PTS. No.17Y, 1923		"	97 37	09.539				1155.8	(691.1)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	27 46					261.2	(1381.6)	
SUB.PT. PTS. No.17Y, 1923		"	97 37					1169.5	(677.4)	
ROGERS 2, 1949	G-8043 P.1 Field	N.A. 1927	27 46					245.6	(1397.2)	

MAP T. 9181 PROJECT NO. Ph-36(48)A SCALE OF MAP 1:20,000 SCALE FACTOR 1.000

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)	
ROBSTOWN, MUNICIPAL WATER TANK, 1931	G-1252 P. 150	N.A. 1927	27 47	16.296				501.6	(1345.3)	
✓ ACES, 1933	G-2874 P. 68	"	97 39	47.960				1313.0	(329.6)	
			27 51	05.230				161.0	(1685.9)	
			97 30	13.039				356.8	(1284.9)	
* See letter No. 63-rmm, dated 15 September 1949, attached to this report.										

COMPUTED BY: F. L. TAKOZA DATE: July 20, 1949

CHECKED BY: M. L. ROSENBERG DATE: July 26, 1949

1 FT. = .3048006 METER

COMPILATION REPORT

T-9181

PHOTOGRAMMETRIC PLOT REPORT

The photogrammetric plot report for this area is included in the descriptive report for T-9175, submitted to the Washington Office on 16 December 1949.

31. DELINEATION

This survey was delineated by graphic methods. A discrepancy overlay has been prepared and is being submitted with this manuscript.

32. CONTROL

The identification and density of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Geographic names standard dated 4 November 1949, on USGS, Robstown quadrangle, was furnished by the Washington Office.

The map of San Patricio County and the Nueces County Highway map were used in connection with the boundaries. They are part of the "Special Report on Boundaries".

A highway map of District 16 furnishes some highway information. It was submitted by the field party as Name Sheet 34 (Special Names Report No. 129.)

34. CONTOURS AND DRAINAGE

Contours---inapplicable.

Drainage--Refer to field report.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Form 567 is being submitted for a tank identified by the field party. *Copy of Form attached.*

38. CONTROL FOR FUTURE SURVEYS

None established in the area by the field party.

39. JUNCTIONS

Junctions with surveys Nos. T-9175 to the north and T-9182 to the east have been made and are in agreement. To the south and to the west is the project limits where there are no contemporary surveys.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41-45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the U.S. Geological Survey, Robstown quadrangle, scale 1:62,500, edition 1925, reprinted 1941, and also with Air Photo Compilation No. T-5366 (1934).

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-9181 has been compared with USC&GS Chart No. 1286, scale 1:80,000, published at Washington, D. C. 1 August 1949 corrected to 15 October 1949.

Items to be applied to nautical charts immediately

None.

Items to be carried forward

None.

Respectfully submitted
21 November 1949

Mary L. Bloom
Mary L. Bloom
Cartographic Draftsman

Approved and forwarded
25 January 1950

Hubert A. Paton
Hubert A. Paton
Officer in Charge

GEOGRAPHIC NAMES LIST

- ANNAVILLE ✓
- CALLEN ✓
- CLARKWOOD ✓ Columbian Carbon Co.
- DOUGLAS AIRPORT ✓ San Patricio Co.
- GRACE CHURCH ✓ Commissioner Precinct #2
- HILLTOP NUECES COUNTY T.B. SANITORIUM ✓ Nueces Co.
- McNORTON ADDITION ✓ Commission Precinct No. 1
- NUECES BAY ✓
- NUECES COUNTY ✓
- NUECESTOWN ✓
- NUECES RIVER ✓
- OSO CREEK ✓
- RAND MORGAN LANE ✓
- RINCON BAYOU ✓
- R. MORGAN FARM ✓
- SAN ANTONIO, UVALDE AND GULF RR. ✓
- SAN PATRICIO COUNTY ✓ (Missouri Pacific)
- SANTA MARIA CHURCH ✓
- ST. ANTHONY CHURCH AND CEMETERY ✓
- ST. LOUIS BROWNSVILLE AND MEXICO RR ✓ (Missouri Pacific)
- TEXAS ✓
- TEXAS MEXICAN RR ✓
- TULE LAKE ✓
- TULOSA MIDWAY SCHOOL ✓
- VIOLA ✓
- VIOLET ✓

Up River Road (Shell Rd)

San Juan Addition ✓

Highway Village ✓

Rolling Acres Subdivision

Texas Nos. 9 and 44

Names underlined in red are approved
9-18-52
L. Hock

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9181

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads Jan 28. Buildings Jan 29. Railroads Jan 30. Other cultural features Jan

BOUNDARIES

31. Boundary lines Jan 32. Public land lines _____

MISCELLANEOUS

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

40. Joseph W. Braddock Reviewer Joseph Stumberg 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:

C
O
P
Y

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Re: No. 63-rmm

POST-OFFICE ADDRESS:

WASHINGTON 25

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

15 September 1949

To: Officer in Charge
Baltimore Photogrammetric Office
U.S.Coast and Geodetic Survey
518 East 32nd Street
Baltimore 18, Maryland.

Subject: Position of triangulation station CLARKWOOD
MUNICIPAL WATER TANK

The correct latitude of CLARKWOOD MUNICIPAL WATER TANK
should be $27^{\circ} 47' 02.34''$ as reported in your letter of 13
September 1949.

(Signed) J.H. Hawley
Acting Director

C
O
P
Y

518 East 32nd Street, Baltimore 18, Maryland.

C
O
P
Y

13 September 1949

To: The Director
U. S. Coast and Geodetic Survey
Washington 25, D. C.

Subject: Error in position of triangulation station,
Clarkwood, Texas

Attention is called to an error in the latitude of
CLARKWOOD MUNI. WATER TANK, 1949, as listed on Field Compu-
tations, page 12, accession No. G-8043.

The latitude should read $27^{\circ} 47' 02.34''$ instead of $27^{\circ} 47' 05.59''$.

Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric
Office

k

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON-FLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED STRIKE OUT ONE

Baltimore, Maryland

19 January 1950

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~general purpose~~ the charts indicated.

The positions given have been checked after listing by Joseph W. Vonasek

Hulbert A. Paton Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF OCCASION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				D. M. METERS	S	D. P. METERS	D. P. METERS						
	TANK ✓	CLARKWOOD MUNICIPAL W.T. (steel, 110 ft. high)		27 47	97 32	218	N.A. 1927	T-9181 Triang.	1949	X			1286

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and non-floating 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-9181

51. Methods.--All roads were travelled by truck to check their classification and to answer questions raised by the reviewer. All other planimetric features were verified as to their existence and classification. Corrections, deletions and additions were made on the Field Edit Sheet or the photographs and cross-referenced on the Field Edit Sheet.

The planetable was used to locate new street layouts and new buildings along Highway 9, which could not be easily tied down by identifiable points on the photographs, and to locate a recently constructed power line which runs across the northerly part of the quadrangle. Two new roads constructed by the Humble Oil Company along the Nueces River were also located by planetable. Other new buildings were located on the photographs by measurement from identifiable points.

Violet ink was used for additions and corrections; green for deletions.

Field edit information will be found on the Field Edit Sheet and the following photographs: 48-0-1366, 1367, 1368, 1382, 1383, 1384, 1385, and 1386.

52. Adequacy of compilation.--This quadrangle is well-compiled and will be adequate after application of field edit information.

53. Map accuracy.--No accuracy test was specified. From visual inspection and points used to take-off from and tie-in to with the planetable, the accuracy appears good.

54. Recommendations.--None offered.

55. Examination of proof copy.--Mr. Conrad M. Blucher, County Surveyor of Nueces County for many years, and a life-long resident, has agreed to examine the proof copy. His address is, County Courthouse, Corpus Christi, Texas.

Geographic names.--Three geographic names are recommended. They are: SAN JUAN ADDITION, HIGHWAY VILLAGE and ROLLING ACRES SUBDIVISION. These are recently developed areas and the names are well-established locally. The name in each instance is shown on the Field Edit Sheet.

No discrepancy was noted in charted names.

Respectfully submitted,
14 September 1951

William H. Shearouse

William H. Shearouse,
Cartographer

Review Report T-9181
Planimetric Map
September 18, 1952

62. Comparison with Registered Topographic Surveys.-
T-4904 1:20,000 1934-35 (Graphic control)
T-5366 1:20,000 1934

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of other Agencies.-
USGS Robstown Quadrangle 1:62,500. 1925 Reprinted 1941
Extensive cultural changes since the discovery of oil in this area, shown on the map manuscript are now shown on the USGS quadrangle.

The shoreline of Nueces Bay that is also the boundary between Nueces and San Patricio Counties is ~~more accurately~~ mapped on the map manuscript than on the USGS quadrangle. *is more detail*

64. Comparison with Contemporary Hydrographic Surveys.- None
65. Comparison with Nautical Charts.-

Nautical Chart 1286 1:80,000 1942 Corr. 1952
No major discrepancies between the map manuscript and the nautical chart were noted.

66. Adequacy of Results.-This map conforms with National Map Accuracy Standards. See Review Report T-9176, Item 66, for results of a horizontal accuracy test in this area.

Reviewed by:

Charles Theurer
C. Theurer

APPROVED

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Chief, Review Section
Div. of Photogrammetry JB

McDonough
Chief, Nautical Chart Branch
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