Descriptive Report

Type of Survey: Planimetric

Field No.: Ph-36(48)  Office No.: T-9177

Locality

State: Texas
General Locality: Corpus Christi Bay
Locality: Gregory

194/52

Chief of Party
C.W. Clark, Chief of Field Party.
H.A. Paton, Baltimore Photogrammetric Office

Library & Archives

Date: Dec. 2 - 1953
DATA RECORD

T-9177

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

Field Office (II): Corpus Christi, Texas  Chief of Party: Charles W. Clark
Photogrammetric Office (III): Baltimore, Md.  Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):
14 February 1949, 20 June 1938, 18 March 1944
14 April 1947, 4 October 1947, 1 October 1948, 26 Aug. 1949

Copy filed in Division of
Photogrammetry (IV) Office Files
Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1.20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 0

Date received in Washington Office (IV): 1-3-50
Date reported to Nautical Chart Branch (IV): 1-6-50

Applied to Chart No.  Date: Date registered (IV): 8-14-53

Publication Scale (IV): 1:20,000 Publication date (IV):

Geographic Datum (III): Vertical Datum (III): MHW
Mean sea level except as follows:

Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): PORTLAND, 1905

Lat.: 27° 53' 02.455 (75.6)  Long.: 97° 20' 07.353 (201.1) Adjusted

Plane Coordinates (IV):

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 Only
DATA RECORD

Field Inspection by (II):
C. H. Bishop, Cartographic Survey Aid
F. M. Wisiecki, Cartographic Survey Aid

Date: March and April, 1949

Plane table contouring by (II): None

Date:

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

Date: Aug 1951

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

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

Date: 6-22-49

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

Date: 6-23-49

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

Date: 7-27-49

Control checked by (III): M.F.Kirk

Date: 8-5-49

Radial Plot: F.J.Tarcza

Date: 9-16-49

Stereoscopic Instrument compilation (III):

Date:

Planimetry None

Date:

Contours

Date:

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

Date: 11-9-49

Photogrammetric Office Review by (III): R. Glaser

Date: 12-23-49

Elevations on Manuscript checked by (II) (III): None

Date:
Camera (kind or source) (III): U.S.C. & G.S. type "O" single lens, focal length 6".

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<th>Scale</th>
<th>Stage of Tide</th>
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<td>12-8-48</td>
<td>1:20,000</td>
<td>(Not computed)</td>
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<tr>
<td>(1151)</td>
<td>1109</td>
<td>&quot;</td>
<td>(Tide negligible)</td>
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**PHOTOGRAPHS (III)**

<table>
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<tr>
<th>Ratio</th>
<th>Prints</th>
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<td>(1152)</td>
<td>1110</td>
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<td>(1159)</td>
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<td>(1162)</td>
<td>1120</td>
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**Contact Prints**

| (1765) | 12-9-48 | 1256 |
| (1766 to 1768 incl. 12-9-1948) | 1257 |
| (1769 to 1772) | 12-9-1948 | 1304 |

2.576 & 2.576

**Tide (III)**

Reference Station: Galveston, Texas
Subordinate Station: Aransas Pass

Washington Office Review by (IV): F. Theurer

Final Drafting by (IV): M. Taylor

Drafting verified for reproduction by (IV): M. Treadwell

Proof Edit by (IV): M. Treadway

**Land Area (Sqr. Statute Miles) (III):** 56

Shoreline (More than 200 meters to opposite shore) (III): 7
Shoreline (Less than 200 meters to opposite shore) (III): 0

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 8

Number of BMs searched for (II): 40

Number of Recoverable Photo Stations established (III): 1 (also landmark)
Number of Temporary Photo Hydro Stations established (III): none

Remarks:

Diurnal

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<th>Ratio of Ranges</th>
<th>Mean</th>
<th>Range</th>
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<tbody>
<tr>
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<td>1.4</td>
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Date: Oct 6, 1952

Date: June 25, 1953

Date: 7-2-53

Date: 8-6-53

Form T-Page 4
Project Ph-36(kg) consists of fifty-two quadrangles at 1:24,000 scale 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 airborne surveys in TPs 27 of Project Ph-11(kh).

Information concerning Ph-36(kg) 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 as 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-9121, T-9176, T-9177, T-9181, T-9269, T-9265, and T-9299, will be published as planimetric maps.

Photostatic photostatic prints of the original air reconnaissance, compilation, and compilation reports for all maps in this project will be filed in the Bureau archives. Photostatic 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.
FIELD INSPECTION REPORT

Quadrangle T-9177
(27-52,5/97-15,0)
Charles W. Clark, Chief of Party

All phases of field work were completed in accordance with
Director’s Instructions dated 14 February; and other applicable
instructions as noted herein.

The various phases were completed by the following personnel
during the indicated periods of time:

<table>
<thead>
<tr>
<th>NAME</th>
<th>PHASE</th>
<th>MONTH, 1949</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles H. Bishop</td>
<td>Horizontal &amp; Vertical Control</td>
<td>March and</td>
</tr>
<tr>
<td>Cartographic Survey Aid</td>
<td>Recovery and Identification</td>
<td>April</td>
</tr>
<tr>
<td>Frank M. Wisiecki</td>
<td>Horizontal &amp; Vertical Control</td>
<td>March and</td>
</tr>
<tr>
<td>Cartographic Survey Aid</td>
<td>Recovery and Identification</td>
<td>April</td>
</tr>
<tr>
<td></td>
<td>Interior Inspection Shoreline</td>
<td></td>
</tr>
</tbody>
</table>

1. DESCRIPTION OF THE AREA:

See "Field Inspection Report Quadrangle T-9176 - Project
Ph-36(48), dated April 1949".

2. COMPLETENESS OF FIELD INSPECTION:

See "Field Inspection Report Quadrangle T-9176 - Project
Ph-36(48), dated April 1949".

3. INTERPRETATION OF PHOTOGRAPHS:

See "Field Inspection Report Quadrangle T-9176 - Project
Ph-36(48), dated April 1949".

4. HORIZONTAL CONTROL:

Five horizontal control stations were recovered and positively
identified as follows;

BLANCO, 1931
QUINTANA, 1933
PORTLAND, 1905
FLOERKE, 1931
GREGORY CATH. CH. STEEPLE, 1931

Station McHARRY'S BARN CUPOLA, 1931, is no longer in existence. Barn has been razed.

Two intersection stations were located by the Division of Geodesy during the course of field work. Both were positively identified and are:

KWBU RADIO TOWER, 1949
CORPUS CHRISTI TO HOUSTON AIRWAY BEACON NO. 1, 1949

5. VERTICAL CONTROL:

All existing bench marks were searched for in this quadrangle. Thirty-one were recovered and identified. Five were destroyed or lost.

6. CONTOURS AND DRAINAGE:

Drainage is not prominent, and is entirely intermittent, into Nueces and Corpus Christi Bays.

7. MEAN HIGH WATER LINE:

The shoreline inspection was done in accordance with Field Memorandum No. 1 - 1938 dated 20 June and Supplemental Instructions, dated 18 March 1944.

8. MEAN LOW WATER LINE:

See "Field Inspection Report Quadrangle T-9176 - Project Ph-36(48), dated April 1949".

9. WHARVES AND SHORELINE STRUCTURES:

Adequately covered by the photographs.
10. **DETAIL OFFSHORE FROM MEAN HIGH WATER LINE:**

Other than small marsh islands or shell reefs, there are no details offshore from the mean high water line. These are adequately covered by the photographs.

11. **LANDMARKS AND AIDS TO NAVIGATION:**

Landmark: **EECHY HO**, was identified and recommended for charting. This is the only charted landmark in the quadrangle. No new landmark was recommended. There are no aids to navigation within the quadrangle. **CH 4374 512° 44°**

12. **HYDROGRAPHIC CONTROL:**

See paragraph 11.

13. **LANDING FIELDS AND AERONAUTICAL AIDS:**

Hunt's Airport, a private airport with a single sod runway, is located west of Portland and just north of Nueces Bay.

Corpus Christi-Houston Airway Beacon No. 1 and Gregory Fan Marker (U.S. Navy) are located west of Portland and north of Corpus Christi Bay. The Fan Marker was identified on the photographs. The Airway Beacon was located by triangulation and was positively identified. **Airway Beacon destroyed. Reported by Field Editor**

14. **ROAD CLASSIFICATION:**

See "Field Inspection Report Quadrangle T-9176 - Project Ph-36(48), dated April 1949".

A new causeway is under construction by the Texas Highway Commission across Nueces Bay to replace the present condemned structure. Most of this construction is in Quadrangle T-9183. However, when completed the new roadway will be a projection of the center line of the causeway intersecting the present U. S. 181 Highway **X** just north of the Town of Portland.

Four Texas Highway monuments on the construction survey of
the causeway have been identified on the photographs and cross referenced to construction plans furnished by the project engineer. This information should be sufficient for placing the center line of the causeway on the manuscript for the convenience of the field editor.

A large part of the causeway will be hydraulic fill. This will change the shoreline considerably. As this construction will not be completed for some months, verification and necessary completion surveys will have to be done by the field editor.

15. BRIDGES:

See "Field Inspection Report Quadrangle T-9176 - Project Ph-36(48), dated April 1949".

16. BUILDINGS AND STRUCTURES:

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

17. BOUNDARY MONUMENTS AND LINES:

See "Special Report - Boundaries - Baffin Bay to Latitude 28° 00' - Project Ph-36(48)" to be submitted at a later date.

18. GEOGRAPHIC NAMES:

See "Special Report - Geographic Names - Project Ph-36(48)" to be submitted at a later date.

19. COAST PILOT:

See special report "Coast Pilot - Project Ph-36(48)" to be submitted at a later date.

Approved:
20 May 1949

Charles W. Clark
Lt.Cdr. USCGS
Chief of Party

Submitted:
15 April 1949

Frank M. Wisiecki
Cartographic Survey Aid
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tr>
<td>* BLANCO, 1931</td>
<td>G-1252 P. 138</td>
<td>27 59</td>
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<td>1531.1</td>
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<td>SUB.PT., BLANCO, 1931</td>
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<td>* FLOERKE, 1931</td>
<td>G-1252 P. 138</td>
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<td>G-2874 P. 68</td>
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<td>* PORTLAND, 1905</td>
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<td>1520.4</td>
<td>190.5</td>
<td>1450.7</td>
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1 FT. = 30.48006 METER

COMPUTED BY: F.L. Tarcza DATE: July 19, 1949
CHECKED BY: M.L. Rosenberg DATE: July 26, 1949
COMPILATION REPORT

T-9177

PHOTOGRAMMETRIC PLOT REPORT

Refer to radial plot report for this area, which is bound with
the descriptive report for T-9175.

31. DELINEATION

This survey was delineated by graphic methods only.

Water holes and cattle trails were delineated in accordance with
the letter on this subject dated 14 June 1949: from Lt. Comdr. Charles
W. Clark to the Director.

A discrepancy overlay has been prepared and is being submitted
with this manuscript.

A portion of the proposed Corpus Christi to Portland Causeway which
will fall in south central area of this survey will be completed by the
field edit party. The centerline of this proposed causeway has been de-
lineated from field information, for the convenience of the field edit
party.

32. CONTROL

The identification and density of horizontal control was adequate
for the satisfactory delineation of this manuscript.

33. SUPPLEMENTAL DATA

Geographic names standards dated 11-4-49 on U.S.G.S, Corpus Christi
quadangle and Chart No. 1286, were furnished by the Washington Office.

The following supplemental data was furnished by the field party:

1. Photostat of Proposed Corporate Limits of Portland, Texas,
scale 1" = 660 ft., dated 20 Feb. 1949, drawn by R.S.King.

2. Photostat of Right of Way Map U.S.Highway No. 181 for proposed
causeway across Nueces Bay from Portland to Corpus Christi,
scale 1" = 400 ft., dated October 1946, office of District
Engineer, Corpus Christi, Texas.

Nos. T-5366 and T-5367

34. CONTOURS AND DRAINAGE

Contours - inapplicable
Drainage - see field report, item No. 6
35. **SHORELINE AND ALONGSHORE DETAILS**

The field inspection for the shoreline and alongshore details is considered adequate.

Shallow lines were delineated from office interpretation of the photographs.

36. **OFFSHORE DETAILS**

See Field Inspection Report, item No. 10

37. **LANDMARKS AND AIDS**

Form 567 for two landmarks and two aeronautical aids, furnished by Lt. Comdr. Charles W. Clark 25 April 1949 were completed and are being submitted with this report. Of the two above mentioned landmarks, only one, E.CHY. HO. is recommended for nautical charts. KWBU RADIO TOWER is recommended as a landmark for aeronautical charts.

38. **CONTROL FOR FUTURE SURVEYS**

Form 524 for one recoverable topographic station prepared by the field party, was completed in the compilation office and is being submitted with this report. This recoverable station is also the above mentioned landmark, E.CHY. HO.

According to instructions, this recoverable topographic station is also listed under heading No. 49.

39. **JUNCTIONS**

Junctions with Surveys Nos. T-9176 to the west, T-9178 to the east and T-9183 to the south have been made and are in agreement. To the north is the limit of the project where there is no contemporary survey.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.
41. **LANDING FIELDS AND AERONAUTICAL AIDS**

See Field Inspection Report, item No. 13.

42 to 45 - Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

The manuscript has been compared with the following maps:


47. **COMPARISON WITH NAUTICAL CHART**

The manuscript has been compared with nautical chart No. 523, scale 1:40,000, published 10-10-49 and corrected to 12-19-49.

**Items to be applied to nautical charts immediately**

None

**Items to be carried forward**

None.

Respectfully submitted
27 December 1949

Judson Y. Councill
Cartographic Draftsman

Approved and forwarded
30 December 1949

Hubert A. Paton
Officer in Charge
Baltimore Photogrammetric Office
GEOGRAPHIC NAMES

- Bayside Road
- Commissioner Precinct IV
- Corpus Christi Bay
- Gregory
  - Gregory Church
  - Gregory Cemetery
  - Gregory Max. School
  - Gregory Public Schools
- Gum Hollow
- Hunts Airport
  - Immaculate Conception Church
  - Immaculate Conception School
- La Quinta
- Midway
- Mud Flats
- Nueces Bay
- Nueces Co
  1. Our Lady of Mt. Carmel Church
  2. Portland
     - Portland Elementary School
- San Patricio Co
  - Southern Pacific R.R.
- Texas and New Orleans RR
  (S.P.Lines)
- U.S. 181

Names from geographic names standard dated 11-4-49

* Name from field inspection
1. New site not located on manuscript.

Names underlined in red are approved.

10/3/52

MRG
NOTES FOR THE HYDROGRAPHER

One recoverable topographic station which is also a landmark is shown on the manuscript. It is E. CHY. HO., 1949 for which a form No. 524 is being submitted.
PHOTOGRAMMETRIC OFFICE REVIEW

T- 9/77

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

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

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low-water-line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Planetary contours
23. Stereoscopic instrument contours
24. Contours in general
25. Spot elevations
26. Other physical features

CULTURAL FEATURES
27. Roads
28. Buildings
29. Railroads
30. Other cultural features

BOUNDARIES
31. Boundary lines
32. Public land lines

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

Reviewer
Joseph Steinberg
Supervisor, Review Session 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:
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by H. Glaser

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
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<tbody>
<tr>
<td></td>
<td>Corpus Christi to Houston Airway</td>
<td></td>
<td>27 53 1711.1</td>
<td>97 16 1208.2</td>
<td>TRI</td>
<td>NA 1927 T-9177</td>
<td>1949</td>
</tr>
<tr>
<td></td>
<td>Beacon No. 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rad. Plot</td>
<td></td>
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<tr>
<td></td>
<td>Gregory Pan Marker (Navy)</td>
<td></td>
<td>27 53 628</td>
<td>97 16 915</td>
<td>NA 1927 T-9177</td>
<td>1949</td>
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<tr>
<td></td>
<td>Beacon destroyed</td>
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I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaser

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<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
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<td>--------</td>
<td>--------</td>
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<tr>
<td>KXBU Radio Tower</td>
<td>27 56</td>
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</tbody>
</table>
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Corpus Christi, Texas  25 April  1949

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

The positions given have been checked after listing by

R. Claeur

Charles W. Clark  Chief of Party

<table>
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<th>STATE</th>
<th>Texas</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>R. CHY. NO. en large white house</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATITUDE</td>
</tr>
<tr>
<td>27° 52.3'</td>
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</table>

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<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHART AFFECTED</th>
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<td>NA 1927 T-6177</td>
<td>1949</td>
<td>523</td>
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</tbody>
</table>

CH LOT 512 (49)
ADDENDUM TO

COMPILATION REPORT

T-9177

31. DELINEATION

Map Manuscript T-9177 has been compared with nine lens photographs 25768 and 25769, dated May 4, 1950, scale 1:20,000. Revisions and additions have been made in red.

Respectfully submitted
18 September 1950

Joe Vonesek
Joseph W. Vonesek
Cartographer (Photo)
Field Edit Report, T-9177

51. Methods.—All roads were travelled by truck to check their classification and to answer questions raised by the reviewer. At the same time 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 features, such as new oil wells and the new U. S. Highway No. 181 (under construction), that could not readily be tied down by tape measurements or direct marking on the photographs. Cultural features, such as buildings, were located on the photographs or field edit sheet by measuring from nearby 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 photographs 48-O-1151, 1152, 1159, 1160, 1161, and 1162.

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

53. Map accuracy.—No accuracy tests were specified. From visual inspection and use of planetable "take off" points the horizontal accuracy appears good.

54. Recommendations.—No recommendations are offered.

55. Examination of proof copy.—Mr. N. A. East, long time resident, former tax assessor, and present mayor of the town of Gregory, is intimately acquainted with the area and has agreed to examine a proof copy of the map manuscript. His address is Gregory, Texas.

Geographic names.—One geographic name—TERRABELLE—is recommended. It is a large farm headquarters and is well-established in local usage. No discrepancy was noted in charted names.

56. Supplemental data.—U. S. Highway No. 181 from Portland to Gregory is under construction. It is to be a 4-lane divided highway. The foundation is in place for the west lane and the east lane is to have its centerline within a few feet of the old road centerline.

As the intersections were not complete enough to apply their design to the field edit sheet from ground measurements a tracing was made from the working plans, by the engineer in charge, and is being submitted as insert 1 and 2.
Plans for the Reynolds Metals Company Reduction Plant are also submitted. This plant is in the early stages of construction. The Engineer in charge said he would be glad to furnish as built plans at the end of construction, if requested. A pier and channel are to be added at a later date. Substantially all construction is to be complete by 1 January 1952. This plant shown in outline only.

Respectfully submitted,
22 August 1951

William H. Shearouse
William H. Shearouse,
Cartographer
REVIEW REPORT T-9177
Planimetric Map
October 6, 1952

62. Comparison with Registered Topographic Surveys:

<table>
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<tr>
<td>T-1043</td>
<td>1:20,000</td>
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<td>&quot;</td>
<td>1934 (Graphic Control)</td>
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<td>1934-35 &quot;</td>
</tr>
<tr>
<td>T-5367</td>
<td>&quot;</td>
<td>1934</td>
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</table>

This map supersedes these surveys for nautical charting purposes.

63. Comparison with Maps of other Agencies:

Advance Print USGS Corpus Christi Quad 1:40,000, 1951

This planimetric map was used as a base by the Geological Survey in the compilation of the NE/4 of the topographic quadrangle.

Improvements on U. S. Highway 181, shown on the map manuscript, have not been shown on the quadrangle.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

Nautical Chart 523 1:40,000 1950

No discrepancies were noted.

66. Map Accuracy:

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

Reviewed by:

[Signature]
C. Theurer
Approved by:

L. J. Griffith
Chief, Review Section
Division of Photogrammetry

H. L. Edmonton
Chief, Nautical Chart Branch
Division of Charts

C. J. Reading
Chief, Div. Photogrammetry

Earl O. Fenton
Chief, Div. Coastal Surveys