**U.S. COAST AND GEODETIC SURVEY**

**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>TOPOGRAPHIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No. Ph=33(48)</td>
<td>Office No. T-9111</td>
</tr>
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</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
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<tbody>
<tr>
<td>General Locality</td>
<td>LOUISIANA GULF COAST</td>
</tr>
<tr>
<td>Locality</td>
<td>SOUTH OF PECAN ISLAND</td>
</tr>
</tbody>
</table>

**1951**

**CHIEF OF PARTY**

Charles W. Clark, Chief of Field Party
Arthur L. Wardwell, Tampa Photogrammetric Office

**LIBRARY & ARCHIVES**

**DATE** Nov-17-1952
DATA RECORD

T - 9111

Project No. (II): Ph-33(48)  Quadrangle Name (IV):

Field Office (II): Abbeville, Louisiana  Chief of Party: Charles W. Clark
Photogrammetric Office (III): Tampa, Fla.  Officer-in-Charge: Arthur L. Wardwell
Instructions dated (II) (III): 2 July 1948  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): 27 June 50 Date reported to Nautical Chart Branch (IV): 7-3-52
Applied to Chart No. Date:  Date registered (IV): 2-25-52
Publication Scale (IV): 1:24,000
Geographic Datum (III): N.A. 1927
Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water
Reference Station (III): HEBERT, 1933
Lat.: 29° 32' 11.068(340.8m)  Long.: 92° 18' 10.621(286.0m)  Adjusted
Plane Coordinates (IV):
State: Louisiana  Zone: South

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.

Form T: Page 1
Areas contoured by various personnel
(Show name within area)
(II) (III)
DATA RECORD

Field Inspection by (II): WM. M. REYNOLDS
Date: July-Oct. 1948

Planetary contouring by (II): WM. M. REYNOLDS
Date: OCT 1948
LKD F. BEUGNET

Completion Surveys by (II): C.A. NAVIN
Date: 18 Nov. 1950
thru 20 Feb. 1951

Mean High Water Location (III) (State date and method of location):
Aug. 1948 Aerial photographs

Date: 27 Oct. 1948

Projection and Grids checked by (IV): W.E.W. ( n  n )
Date: 27 Oct. 1948

Control plotted by (III): J. F. Armstrong
Date: 22 Mar. 1949

Control checked by (III): R. J. Pate
Date: 20 June 1949

Radial Plot (III): M. M. SLAVNEY

Stereoscopic Instrument compilation (III): Inapplicable

Contours

Manuscript delineated by (III): R. A. REECE
Date: April 1950

Photogrammetric Office Review by (III): J. A. GILES
Date: May 1950

Elevations on Manuscript checked by (II) (III):
Date: May 1950

Form T-Page 3
Camera (kind or source) (III): U.S. G&G.S.  9 lens  8 1/4" Focal length

PHOTOGRAPHS (III)

<table>
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<th>Number</th>
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<th>Stage of Tide</th>
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<tr>
<td>21371</td>
<td>12/2/47</td>
<td>12 16</td>
<td>1:20,000</td>
<td>-0.8 (See report.)</td>
</tr>
<tr>
<td>21372</td>
<td>12/2/47</td>
<td>12 17</td>
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<td>21953</td>
<td>3/13/48</td>
<td>12 05</td>
<td>&quot;</td>
<td>0.1</td>
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<tr>
<td>21954</td>
<td>3/13/48</td>
<td>12 06</td>
<td>&quot;</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Galveston, Texas
Subordinate Station: Southwest Pass, Vermilion Bay
Subordinate Station:

Washington Office Review by (IV): K. N. Maki

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 4.6
Shoreline (More than 200 meters to opposite shore) (III): 10 Statute mi.
Shoreline (Less than 200 meters to opposite shore) (III): 32 Statute mi.
Control Leveling - Miles (II): *

Number of Triangulation Stations searched for (II): 1  Recovered: 1  Identified: 1
Number of BMs searched for (II): *  Recovered: 11  Identified: 11
Number of Recoverable Photo Stations established (III): 5
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
* 12.7 miles of 3rd order levels were run and 11 BMs were established.

(Lines 71 and 72)
LOUISIANA - INTRACOASTAL WATERWAY
East Cote Blanche Bay — White Lake
Summary to Accompany T-9111

T-9111 is one of 18 topographic quadrangles in Project Ph-33(48) Louisiana. It covers an area of the coastline on the Gulf of Mexico southeast of White Lake and about seventeen miles west of Southwest Pass. The northerly or land portion of this map is almost entirely marsh and the southern or water portion is the Gulf of Mexico. The field operations preceding compilation included complete field inspection, the recovery of horizontal control and the establishment of vertical control. The contour interval is five feet. The map is a graphic compilation at a scale of 1:20,000 and consists of one sheet 7\(\frac{1}{2}\) in latitude by 7\(\frac{1}{2}\) in longitude. The entire map was field edited. The map is to be published by the Geological Survey at a scale of 1:24,000 as a standard 7\(\frac{1}{2}\) topographic quadrangle. The registered data to be permanently filed in the Bureau Archives under T-9111 will include a cloth-mounted lithographic print of the published map at scale 1:20,000, a cloth-mounted color print of the published map at scale 1:24,000 and the original descriptive report. Hydrographic data, depth curves and critical soundings, will appear on the published map only.
FIELD INSPECTION REPORT
Quadrangles
T-9106' T-9111
(29-30.0/92-22.5/7.5) (29-30.0/92-15.0/7.5)
Project Ph-33(48)
Charles W. Clark, Chief of Party

All phases of field work were done in accordance with the Director's Instructions, Project Ph-33(48), dated 2 July 1948; and other applicable instructions as noted herein. See p.7

The various phases of field work were done by the following personnel during the indicated periods of time:

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<thead>
<tr>
<th>Name</th>
<th>Phase</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>William M. Reynolds</td>
<td>Horizontal Control</td>
<td>August 1948</td>
</tr>
<tr>
<td>Engineering Aid</td>
<td>Recovery and Identification</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shoreline Inspection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contouring</td>
<td>October 1948</td>
</tr>
<tr>
<td>Harold A. Duffy</td>
<td>Shoreline Inspection</td>
<td>August 1948</td>
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<tr>
<td>Photogrammetrist</td>
<td></td>
<td></td>
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<tr>
<td>Leo F. Beugnet</td>
<td>Contouring</td>
<td>October 1948</td>
</tr>
<tr>
<td>Engineering Aid</td>
<td>Interior Inspection</td>
<td></td>
</tr>
<tr>
<td>Matthew A. Stewart</td>
<td>Third-order levels</td>
<td>August 1948</td>
</tr>
<tr>
<td>Engineering Aid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. DESCRIPTION OF THE AREA:

These quadrangles lie along the southern Louisiana coast between Pecan Island and the Gulf of Mexico. The land area of these quadrangles is marsh with the exception of several low, narrow ridges in the southern sections. These ridges are old beaches.

Mulberry Island is the predominant land area. It rises out of the marsh to a height of 120 feet. It is heavily wooded which is unusual for the area.

Three other ridges are found in the area, all of them smaller than Mulberry Island. They are: Sand, Bill and Beef Ridges. They are of the same nature as Mulberry Island but lower in elevation.

Numerous Canals and Bayous make the area accessible by boat - the only means of transportation.

Muskrat trapping and the development of oil fields are the only industries of note in the area.

A sizable natural gas field has been developed by the Humble Oil Co. In conjunction with this field the company operates a dehydration or recycling plant located in quadrangle T-9111.
7. **MEAN HIGH WATER LINE:**

The mean high water line along the shoreline of the Gulf of Mexico is largely indefinite marsh line and was so indicated on the photographs.

Shoreline inspection was done in accordance with Field Memorandum No. 1 (1938) - Mean High Water Line in Marsh and Swamp Areas, dated 20 June 1938 and Supplemental Instructions - Shoreline Inspection, dated 18 March 1944.

Symbolization was done on the field photographs in accordance with paragraph 20 of the latter.

8. **LOW WATER LINE:**

No attempt to delineate the low water line in its entirety was made. However, when the shoreline inspection party visited an area at or near the time of low water the approximate low water line was indicated on the photographs.

9. **WHARVES AND SHORELINE STRUCTURES:**

Adequately covered by the photographs.

10. **DETAIL OFFSHORE FROM THE MEAN HIGH WATER LINE:**

Adequately covered by the photographs.

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

Three new landmarks were selected and recommended for charting and reported on Form 567. These were identified on the field photographs at the time of shoreline inspection.

There are no fixed aids to navigation within the limits of these quadrangles.

12. **HYDROGRAPHIC CONTROL:**

In addition to the existing horizontal control, ten recoverable topographic stations, five in each quadrangle, were established. See item 49 for T-9111.

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

There are no landing fields or aeronautical aids within the limits of these quadrangles.

14. **ROAD CLASSIFICATION:**

There are no roads within the limits of these quadrangles.

15. **BRIDGES:**

There are no bridges within the limits of these quadrangles.
16. BUILDINGS AND STRUCTURES:

All buildings were classified and field inspected in accordance with Photogrammetry Instructions No. 29, dated 1 October 1948. Filed in Div. Photogrammetry Office Files.

17. BOUNDARY MONUMENTS AND LINES:

These quadrangles lie entirely within Ward 7 of Vermilion Parish. Boundary monuments and lines will be the subject of a Special Report. Boundaries - Project Ph-33(48) to be submitted at a later date. No section corners have been recovered in these quadrangles. Special Report - Boundaries - Proj. Ph-33(48) will be filed in, or referenced in, the Project Compilation Report for Ph-33(48).

18. GEOGRAPHIC NAMES:

Geographic names of this area was the subject of a "Special Report, Geographic Names, Gulf Intracoastal Waterway - Vermilion Bay, La. to Port Arthur, Texas, Project Ph-14(46)". During the course of field work no discrepancies were found in the names in the above report. No systematic investigation was made. Filed in Geographic Names Section Div. of Charts. See attached list.

The following additions to the foregoing report are recommended:

The following names not covered in the above report are recommended (see chart 1277 and U.S. Geological Survey Quadrangle Map - Pecan Island SE).

Beef Ridge
Sand Ridge
Bill Ridge

These names are in common local usage by inhabitants of the area.

The above report recommends the Name Freshwater Bayou for the feature near the center of quadrangle T-9111. This is not an incorrect name for the bayou but a nearly straight canal has now been dredged which is a more prominent feature than the bayou. The name "Freshwater Canal" is recommended. (See Chart 1277 and Quadrangle Map - Pecan Island SE)

The name "Humble Canal" is recommended for the larger canal extending westward from the Louisiana Fur Co. Canal thence northwest and north to Pecan Island (see photo 21373). This canal was dredged by the Humble Oil Co., and the name "Humble Canal" is in common usage in the area.

19. COAST PILOT:

Coast Pilot information was covered in "Special Report - Coast Pilot Information - Project Ph-33(48)". Filed in Coast Pilot Section Div. of Charts.

20. MISCELLANEOUS:

A proposed channel, now in the preliminary stages of investigation by the U.S. Engineer Department, may be dredged through quadrangle T-9111. The project depth is expected to be about 12...
feet and extend from the gulf to the Intracoastal Waterway in the vicinity of Intracoastal City. The preferred route of the canal at this time appears to be along existing canals and bayous as follows: Freshwater Canal, Belle Isle Canal and Bayou, Sixmile Canal and Schooner Bayou. See item 59, Field Report.

Submitted:
10 November 1948

William M. Reynolds
Engineering Aid

Approved:
30 November 1948

Charles W. Clark
Chief of Party
COMPILATION REPORT
T-9113

PHOTOMORPHIC PLOT REPORT

This is the subject of a special report being submitted to the Washington Office with T-9113. Bound with Desc. Report T-9113.

31. DELINEATION

The manuscript was delineated by graphic methods.

Photographs were of fair scale. Photographs 21371 and 21372 were among a series of photographs taken three months prior to photographs 21953 and 21954. A few minor changes had taken place during the interval between flights. Photograph 21954 was used in the delineating of most of the manuscript because of its being of the last series flown and its scale was better than average.

Field inspection was adequate for the delineation of the manuscript.

In the extreme southern portion of the manuscript, there are a number of detail points located from two cut intersections. It was necessary to do this because detail could not be positively identified on more than two photographs. Detail points with only two cut intersections have been so indicated with tick marks on the circles.

32. CONTROL

Sufficient secondary control was established and so spaced that no difficulty was encountered in cutting in additional detail points.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in the delineation of drainage or in transferring contours.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection notes were adequate for the delineation of the shoreline.

There are no alongshore details.
36. **OFFSHORE DETAILS**

None.

37. **LANDMARKS AND AIDS**

No unusual methods of compilation were employed in locating the three landmarks. *Form 567 attached.*

There are no aids to navigation.

38. **CONTROL FOR FUTURE SURVEYS**

Five topographic stations are applicable and are listed on form 524 which are being submitted herewith.

A list of these topographic stations have been prepared and included in Item 49. *Two stations reported lost by field editor. See p. 15.*

39. **JUNCTIONS**

T-9107 to the north: in agreement
T-9110 to the west: not compiled
T-9112 to the east: in agreement
Gulf of Mexico is to the south

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

41. **BOUNDARIES**

No section corners were recovered (reference Item 17), nor are there any natural features to follow. Section lines were therefore omitted. *Distances scaled from plats during review.*

46. **COMPARISON WITH EXISTING MAPS**

Comparison has been made with U.S. Geological Survey, PECAN ISLAND, LA. (S.E.) quadrangle, scale 1:31,680 (Field examination 1932) and found
46. **COMPARISON WITH EXISTING MAPS (Continued)**

to be in agreement except for a number of canals that have been and are in the process of being dug, in conjunction with the development of oil fields in the area. Changes have occurred in the shoreline due to erosion.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with U.S.C.&G.S. Nautical Chart No. 1277, scale 1:80,000, edition of Nov. 1938, bearing a print date of 11 April 1949. The map mentioned under Item 46 has apparently been used as the source of planimetry for the chart. The same differences were noted.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**

None.

**ITEMS TO BE CARRIED FORWARD**

None.

---

**Approved and Forwarded**

Richard A. Reese
Cartographic Survey Aid

Arthur L. Wardwell
Chief of Party
49. NOTES FOR THE HYDROGRAPHER

The following topographic stations may be of use to the hydrographer:

TALL, 1948  
TOWER, 1948 (landmark)  
HACK, 1948  
S. RADIO TOWER, 1948 (landmark)  
N. RADIO TOWER, 1948 ("")
PHOTOGRAMMETRIC OFFICE REVIEW

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. Orthophotos \(
8. Bench marks \(
9. Datum of extent lines \(
10. Photogrammetric plot report \(
11. Detail points \(

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline \(
13. Low water line \(
14. Rocks, shoals, etc. \(
15. Buildings \(
16. Objects \(
17. Landmarks \(
18. Other alongshore physical features \(
19. Shore cultural features \(

PHYSICAL FEATURES
20. Water features \(
21. Natural ground cover \(
22. Planetary contours \(
23. Instruments \(
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

40. Jesse L. Giles \( William A. Passage
Reviewer 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:
51. METHODS

All features were checked by visual inspection. New construction since date of photography was added by planetable traverse. Representative measurements were taken on canals to determine proper delineation widths.

All corrections, additions, and deletions have been shown on the field edit sheet, or if shown on the photographs, have been cross referenced to the field edit sheet.

A description of the colored inks used is shown on all field edit data.

The field edit data are contained on one (1) field edit sheet, one (1) discrepancy print, and three (3) field photographs Nos. 21371, 21372, and 21954.

52. ADEQUACY OF COMPILATION

Satisfactory.

53. MAP ACCURACY

Satisfactory.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF THE PROOF COPY

Mr. J. M. Hebend, Box 27, Abbeville, Louisiana has agreed to examine the proof copy.

No recommended changes in geographic names are made.

56. MEAN HIGH WATER LINE

The apparent shoreline along the Gulf Coast has eroded approximately 35 feet since 1948, although the area shown as EWIL along the shell banks has remained constant.

The shoreline has been washed clean and there is no longer any portion which could be shown as grass in water.
57. **TOPOGRAPHIC STATIONS**

Stations HACK 1948 and TALL 1948 should be considered lost. Erosion has destroyed these stations. The position of station TALL 1948 was easily identified but station mark was missing. The position of station HACK 1948 as described in 1948 could not be recognized on the ground, and a planetable traverse from station IDLE 1948 verified the fact that the station was destroyed.

58. **LANDMARKS**

In agreement with current instructions the landmark titles have been corrected on the field edit sheet to show all heights above ground and above high water.

59. **MISCELLANEOUS**

The underground pipeline along the Humble Canal, etc., should be retained on the manuscript, although it is no longer visible as a topographic feature.

The proposed deep water channel from the Intracoastal Waterway to the Gulf of Mexico has not progressed beyond the planning stage.

Submitted
21 February 1951

Approved
9 March 1951

Cecil A. Navin
Cartographic Survey Aid

Percy L. Bernstein
Chief of Party
**DEPARTMENT OF COMMERCE**  
U.S. COAST AND GEODETIC SURVEY

**PHOTOGRAMMETRIC REVIEW SECTION**  

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

**TO BE CHARTED**  
STRIKE OUT ONE

Abbeville, Louisiana  
10 Nov. 1948

I recommend that the following objects which have **not** 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

Richard A. Reese  
Tampa Photo. Office  

Charles W. Clark  
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>LOUISIANA</th>
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<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
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<td>NORTH RADIO TOWER, HUMBLE OIL Co., Steel, (110 ft. high)</td>
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<td>SOUTH RADIO TOWER, HUMBLE OIL Co., Steel, (110 ft. high)</td>
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<tr>
<td>OBSERVATION TOWER, wood (50 ft. high)</td>
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<table>
<thead>
<tr>
<th>POSITION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<td>D. M. M.</td>
<td>D. P. M.</td>
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<tr>
<td>29 35</td>
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<td>92 19</td>
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<th>DATE OF LOCATION</th>
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<td>RED. PLOT NA</td>
<td>1927 1948</td>
</tr>
<tr>
<td>T-9111 XX</td>
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<td>X</td>
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<table>
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<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>1051 1277</td>
</tr>
</tbody>
</table>

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. Information in column heading should be given.
48. **GEOGRAPHIC NAME LIST**

Geographic names were taken from a special report on Geographic Names
- Intracoastal Waterway, Vermilion Bay to Pt. Arthur, Texas prepared for
  Project Ph-1446) and from the Field Inspection Report.

- **BEAK RIDGE**
- **BELLE ISLAND CANAL**
- **BILL RIDGE**

- **FRESHWATER BAYOU**
- **FRESHWATER CANAL**
- **FRONT RIDGE**

- **GULF OF MEXICO**

- **HUMBLE CANAL**
  ✔️ Underlined Oil Co. Recycling Plant

- **LOUISIANA**

- **LOUISIANA FUR CO. CANAL**
  ✔️ OK for general locality, but in no sense a name for a specific feature or area

- **MULBERRY ISLAND**

- **PECAN ISLAND**
- **POLICE JURYWARD 7**

- **SAND RIDGE**

- **VERMILION PARISH**

Names underlined in red are approved.  
10-23-37  
I. Heck
REVIEW REPORT T-9111
Topographic Map
15 November 1951

62. Comparison with Registered Topographic Surveys

T-1688  1:30,000  1886

This map superseded T-9111 for nautical charting purposes. Due to accretion the shoreline has moved approx. 250 meters southward as compared with the shoreline on the old survey (F. L. B.)

63. Comparison with Maps of Other Agencies

Pecan Island, La., SE (advance sheet) 1:31,680, U.S.G.S., 1932

Numerous canals have been added in conjunction with the development of the natural gas fields in the area of this map. They are not shown on the quadrangle. Pirogue trails shown on this map do not appear on the quadrangle.

Refer to item 67 for section lines.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

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<td>1116</td>
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<td>1943</td>
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<tr>
<td>1277</td>
<td>1:80,000</td>
<td>1938</td>
<td>3/19/51</td>
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</tbody>
</table>

There are a number of newly developed canals on T-9111 which do not appear on the charts. Pirogue trails shown on the map are not shown on the charts.

66. Adequacy of Results and Future Surveys

This map is adequate and complete as a base for hydrographic surveys and nautical chart construction. It complies with National Map Accuracy Standards.

67. Section Lines and Boundaries

The General Land Office (Bureau of Land Management) plats were used to derive the section lines as shown in the northwest area of this map. They are tied to section lines as shown in the northwest area of this map. They are tied to section lines which originate from the recovered monumented Elm's Corner on survey T-9106. See item 67,
Review Report T-9106 concerning Elm's Corner.

Although the section lines shown along the Gulf coast and the north central area on this survey were plotted from G. L. O. plat measurements, it is recommended that they will not be drafted. There are no recovered corners and the shoreline has changed to such an extent that original plat distances to it are of no value. Also the rectangular system was extended westward to this survey from T-9112 where only one accepted corner has been recovered. The sections recommended not to be drafted are indicated on the drafting overlay in violet crayon. They have been retained on the manuscript for possible reference purposes.

68. Geographic Names

The list of geographic names attached to this report has been approved by the Geographic Names Section, Division of Charts.

Reviewed by:

K. N. Maki 2/25/51

Approved:

S. H. K. Smith
Chief, Review Section
Div. of Photogrammetry

Wm. G. McGregor
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<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>4-22-54</td>
<td>1277</td>
<td>Leo M. Broggi</td>
<td><strong>Before</strong> After Verification and Review Partially applied</td>
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<td><strong>Before</strong> After Verification and Review No civil corr.</td>
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<td>11/1/65</td>
<td>1277</td>
<td>Helen Duncan</td>
<td>Before After Verification and Review Along new Freshwater Canal</td>
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<td>Before After Verification and Review</td>
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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.