# DESCRIPTIVE REPORT

**Type of Survey:** Topographic  
**Field No:** Ph-90B  
**Office No:** T-9971  
**State:** Louisiana  
**General locality:** Gulf Coast  
**Locality:** Point Au Fer Island  
**Burkes Bayou**

**19#52-56**

**CHIEF OF PARTY**
E.H. Kirsch, Chief of Field Party  
I.R. Rubottom, Tampa Photo. Office

**DATE:** July 16, 1959
DESCRIPTIVE REPORT - DATA RECORD

T-9971

Project No. (II): Ph-90B  Quadrangle Name (IV):

Field Office (II): Houma, Louisiana  Chief of Party: E.H. Kirsch

Photogrammetric Office (III): Tampa, Florida  Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 5 Sept. 1952
Supplement 1- 25 " "
" 2- 30 " "

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):  MAR 19 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.  Date:  Date registered (IV): 12/17/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927  Vertical Datum (III): M.H.W.

Mean sea-level except as follows:
Elevations shown as (2) 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): FISH, 1933

Lat.: 29°19'18"929(582.8m)  Long.: 91°17'25".569(689.9m)

Adjusted  Unadjusted

Plane Coordinates (IV):

State:  Zone:

Y=  X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

Station falls within quadrangle T-9806
Areas contoured by various personnel
(Show name within area)
(II) (III)
Field Inspection by (II): I.Y. Fitzgerald  
Date: May 1953

Planetable contouring by (II): Inapplicable  
Date:

Completion Surveys by (II): Inapplicable  
Date:

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

Air Photo Compilation  
March 1953

Projection and Grids ruled by (IV): Austin Riley (WO)  
Date: 8 Sept. 1953

Projection and Grids checked by (IV): H.D. Wolfe (WO)  
Date: 9 Sept. 1953

Control plotted by (III): None  
Date:

Control checked by (III): None  
Date:

Redial Plot

Central Projection by (III): M. M. Slavney  
Date: 7 Jan. 1955

Stereoscopic Instrument compilation (III):

Planimetry  
Inapplicable

Contours

Date:

Manuscript delineated by (III): R. A. Reece  
Date: 15 June 1955

Photogrammetric Office Review by (III): J.A. Giles  
Date: 20 June 1955

Elevations on Manuscript checked by (II) (III): Inapplicable  
Date:
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>39436</td>
<td>28 Sept. 1952</td>
<td>11:26</td>
<td>1:20,000</td>
<td>0.2</td>
</tr>
<tr>
<td>39437</td>
<td>&quot;</td>
<td>11:27</td>
<td>&quot;</td>
<td>0.2</td>
</tr>
<tr>
<td>39607</td>
<td>29 Sept. 1952</td>
<td>11:58</td>
<td>&quot;</td>
<td>1.2</td>
</tr>
<tr>
<td>39608</td>
<td>&quot;</td>
<td>11:59</td>
<td>&quot;</td>
<td>1.2</td>
</tr>
</tbody>
</table>

1956 Photography
S6-W-4445, 66, 67 24 October 1956 1:30 0000

Tide (III)
(Predicted)

Reference Station: Galveston Texas
Subordinate Station: Eugene I. Atchafalaya Bay, La.

Washington Office Review by (IV):

Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 2
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 0
Recovered: 0
Identified: 0
Number of BMs searched for (II): 0
Recovered: 0
Identified: 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
Summary

to accompany planimetric map T-9971

T-9971 covers approximately two square miles of the southwest part of the Island of Point au Fer, which is situated east of Atchafalaya Bay on the Gulf of Mexico in the State of Louisiana. It is one of 18 planimetric maps of project Ph-90 (6090), which includes 19 topographic surveys also.

The small portion of above-stated island is all of the land area of this quadrangle. With the exception of a narrow fringe of shell parallel to and near the shoreline said area is all marsh with no cultural objects. Erosion causes a gradual recession of the shoreline (over 300 feet between 1934 and 1956) and there is no control within subject area.

This planimetric map was compiled at the Tampa District Office in 1955 from 1952 nine-lens photography and results of 1953 field inspection. The compilation manuscript was revised in 1957 at the same field office from 1956 single-lens photography by office interpretation only. Normally required additional field inspection to cover the later photography and completion survey was not deemed essential in this particular case and the applied method appears adequate.

A copy of this final reproduction medium for registration will be submitted to the Geological Survey for their use in the publication of a series of quadrangles at the scale of 1:62500 (see instructions 30 Sept. 1952).

A cronar film positive at compilation manuscript scale of 1:20,000 and the Descriptive Report will be registered and filed in the Bureau Archives.

July 1958
2. **AREAL FIELD INSPECTION**

   The entire quadrangle is in the Gulf of Mexico except for approximately 2 square miles in the northeast corner.

   For description of this land area, see Item 2, Field Inspection Report, Quadrangle T-9868( ).

   Field inspection was performed on photograph 39437.

3. **HORIZONTAL CONTROL**

   No horizontal control is located within the quadrangle. None was established.

4. **VERTICAL CONTROL**

   No vertical control is located within the quadrangle. None was established.

5. **CONTOURS AND DRAINAGE**

   See Item 5, Field Inspection Report, Quadrangle T-9868( ).

6. **WOODLAND COVER**

   There is none.

7. **SHORELINE AND ALONGSHORE FEATURES**

   See Item 7, Field Inspection Report, Quadrangle T-9869( ).

   There are no alongshore features.

8. **OFFSHORE FEATURES**

   There are none.

9. **LANDMARKS AND AIDS**

   There are none.

10. **BOUNDARIES, MONUMENTS AND LINES**

    There are no political boundaries in the area.

    For public land lines data, see "Special Report, Public Land Lines, Project Ph-90."
11. OTHER CONTROL
There is none.

12. OTHER INTERIOR FEATURES
There are none.

13. GEOGRAPHIC NAMES
See "Special Report, Geographic Names, Project Ph-90."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA


Letter of Transmittal dated 28 January 1953, Land Lines data forwarded to Washington Office same date.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90," to be forwarded to Washington Office at a later date.


Letter of Transmittal No. 90-45, Data, Quadrangle T-9971( ), forwarded to Washington Office MAY 21 1953

Submitted
20 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded
MAY 21 1953

E.H. Kirsch
Chief of Party
# Descriptive Report

## Control Record

### Data
- **Map Number:** T-9971
- **Project Number:** Ph-90 (52)
- **Scale of Map:** 1:20,000
- **Scale Factor:**

### Table

<table>
<thead>
<tr>
<th>Station</th>
<th>Source of Information (Index)</th>
<th>Datum</th>
<th>Latitude or y-coordinate</th>
<th>Longitude or x-coordinate</th>
<th>Distance from Grid in Feet 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- No control for this quad

---

1 FT = 0.3048 METER

**Computed by:**

**Date:**

**Checked by:**

**Date:**
COMPILATION REPORT T-9971

PHOTOGRAHMETRIC PLOT REPORT

Submitted with T-9672

31. Delineation

The manuscript was delineated by the Graphic Method.

Photographs were of reasonably good scale, and the field inspection was adequate. No unusual methods of compilation were used.

32. Control

Reference, Photogrammetric Plot Report.

33. Supplemental Data

None

34. Contours and Drainage

The drainage is apparent.
Contours are inapplicable.

35. Shoreline and Alongshore Details

There was adequate inspection. The shoreline has been shown according to field inspector's notes. No low-water or shoal lines have been shown.

36. Offshore Details:

No statement.

37. Landmarks and Aids

None
38. CONTROL FOR FUTURE SURVEYS

None established

39. JUNCTIONS

A satisfactory junction has been made with Survey T-9806 to the North and T-9868 to the East.
There are no contemporary surveys to the West and South.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with Planimetric Maps T-5389, scale of 1:20,000, dated 1931. It compares favorably with this compilation.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Chart No. 1276, scale 1:80,000, published March 1939, bearing a print date of 9 February 1953.

The map mentioned under Item 46 is probably the source of the planimetry used on the Chart and the same minor differences apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

[Signature]
Richard A. Reese
Carto. Photo Aid.

Approved and Forwarded

[Signature]
Ira R. Rubottom, Chief of Party.
T-9971.

Geographic Names.

Burkes Bayou
Gulf of Mexico
Louisiana
Point au Fer Island
Terrebonne Parish

Names approved 11-27-56
L. Hock
L. H.
PHOTOGRAMMETRIC OFFICE REVIEW

T- 9971


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.N.S.  6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XXX  7. Photo hydro stations XX  8. Bench marks XX  


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES


MISCELLANEOUS


40.  

Jesse A. Giles  
Reviewer  

William A. Rosure  
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.

43. Remarks:

Compiler  
Supervisor  

M-2623-12
Review Report of
Planimetric Map T-9971
July 1958

62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1690</td>
<td>1:20,000</td>
<td>1886</td>
</tr>
<tr>
<td>T-5389</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-6323a</td>
<td>1:20,000</td>
<td>1935</td>
</tr>
<tr>
<td>T-6324a</td>
<td>1:10,000 b 1:20,000</td>
<td>1935</td>
</tr>
</tbody>
</table>

The shoreline of the southwest portion of Point au Fer Island, covered by this survey, has receded gradually over the last twenty years. It is this coastline only that differs from previous topographic surveys and T-9971 should be used for nautical charting purposes of this particular portion of the island.

63. Comparison with Maps of Other Agencies:

There are no previously published maps of this portion of Point au Fer Island.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1275</td>
<td>1:80,000</td>
<td>Revised to 57 9/16</td>
</tr>
<tr>
<td>1276</td>
<td>1:80,000</td>
<td>Revised to 57 11/11</td>
</tr>
<tr>
<td>1050</td>
<td>1:175000</td>
<td>Revised to 58 5/12</td>
</tr>
</tbody>
</table>

There is good agreement between subject survey and above-listed nautical charts.

66. Adequacy of Results and Future Surveys:

The application of information from later photography (1956 single-lens) to the original compilation manuscript by office interpretation only seems appropriate in this case. There are no indications of accuracy or adequacy deficiencies.

Reviewed by

[Signature]

Joseph J. Streifler
Approved by:

L.C. Lande
Chief, Review & Drafting Sec.
Photogrammetry Division

D.W. Swanson
Chief, Photogrammetry Div.
16 July 59

May. Stiles
Chief, Nautical Chart Branch
Charts Division

Chief, Coastal Surveys Div.
## NAUTICAL CHARTS BRANCH

**SURVEY NO. T-9971**

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-2-91</td>
<td>11356</td>
<td>L. Akena</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Considered Fully Applied, No Further Correction</strong></td>
</tr>
</tbody>
</table>

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.