# Descriptive Report

**Type of Survey**: Topographic

**Field No.**: Ph-99  **Office No.**: T-9667

**Locality**

- **State**: Louisiana
- **General Locality**: Breton Sound
- **Locality**: Lake Elci

**Chief of Party**

P.L. Bernstein, Chief of Field Party
Ira R. Rubottom, Tampa Photo Office

**Library & Archives**

**Date**: Jun 24, 1958
Project No. (II): Ph-59
Quadrangle Name (IV): \textbf{Laks E101}

Photogrammetric Office (III): Tampa Florida
Instructions dated (II) (III): 11 April 1952

Chief of Party: P.L. Bernstein
Officer-in-Charge: Ira R. Rubottom

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic
Manuscript Scale (III): 1:20,000
Scale Factor (III): None

Date received in Washington Office (IV):

Applied to Chart No.
Date:

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as ($\ell$) refer to mean high water
Elevations shown as ($) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): EDDIE, 1934

Lat.: $29^\circ 19' 28"$, 589.880.3 M
Long.: $89^\circ 25' 54"$, 589.1.65.7 M

Plane Coordinates (IV):

$X=\quad Y=$

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)
DATA RECORD

Field Inspection by (II): S.L. Hollis, Jr.
W.M. Reynolds
B.F. Lampton, Jr.

Date: June-Sept. 1952

Planetary contouring by (II): Same as above
No conts on map

Date: June-Sept. 1952

Completion Surveys by (II): See review report from 66

Date:

Mean High Water Location (III) (State date and method of location):
28 September 1952
Air Photo Compilation

Date: 29 June 1953

Projection and Grids ruled by (IV): Joan Thuma (W.O.)

Date: 1 July 1953

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

Date: 14 August 1953

Control plotted by (III): I.I. Saperstein

Date: 14 August 1953

Control checked by (III): R.J. Pate

Date: 28 October 1954

Radial Plot or Stereoscopic

Control extended by (III): M.M. Slavney

Date:

Stereoscopic Instrument compilation (III):

Planimetry Inapplicable

Contours

Date:

Manuscript delineated by (III): R.A. Reese

Date: 8 June 1955

Photogrammetric Office Review by (III): J.A. Giles

Date: 10 June 1955

Elevations on Manuscript
checked by (IV) (III): J.A. Giles

Date: 10 June 1955
**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>39345</td>
<td>28 September 1952</td>
<td>9:34</td>
<td>1:20,000</td>
<td>1.9</td>
</tr>
<tr>
<td>39346</td>
<td></td>
<td>9:35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39351</td>
<td></td>
<td>9:43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39352</td>
<td></td>
<td>9:44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39353</td>
<td></td>
<td>9:45</td>
<td></td>
<td></td>
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</table>

**Tide (III)**

(Predicted Tides)

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td></td>
<td>1.6</td>
</tr>
</tbody>
</table>

**Reference Station:** Pensacola, Florida

**Subordinate Station:** Bay St. Louis

**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):** 61

**Shoreline (More than 200 meters to opposite shore) (III):** 67

**Shoreline (less than 200 meters to opposite shore) (III):**

**Control Leveling - Miles (II):** None

**Number of Triangulation Stations searched for (II):** 5 (1)* Recovered: 4 Identified: 4(1)*

**Number of BMs searched for (II):** None

**Number of Recoverable Photo Stations established (III):** None

**Number of Temporary Photo Hydro Stations established (III):** None

**Remarks:**

( )* Third-Order stations established

Date: Oct 1957
SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-89. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

Project PH-89 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by plane-table methods, and the investigation of geographic names and political boundaries.

Since almost all the terrain was marsh, only 3 of the maps on PH-89 were field edited. They are T-9660, T-9665, T-9667. All were compiled at the scale of 1:20,000, using nine-lens photographs taken in 1952. Newer 6x7 camera photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard 7 1/2 minute quadrangles.

Items registered under each map number will include a Cronar film positive and a descriptive report.
2. **AREAL FIELD INSPECTION**

The land area is entirely marsh with numerous ponds and bayous. Bayou la Loutre crosses the quadrangle. There is some spoil along the dredged canals in the northwest part of the quadrangle and along Bayou la Loutre from its junction with Bakers Canal to the north.

Bayou Eloi is an important waterway between Bayou la Loutre and Chandeleur Sound. Bayou Petre, Treasure Pass, and Christmas Camp Lake are also much used.

The field inspection is believed to be complete.

The nine-lens photographs are clear and should offer little difficulty in interpretation. The single lens ratio prints are very poor and indistinct; however, because of the comparative simplicity of the area, little difficulty should be encountered.

Field work has been done on the following nine-lens photographs: 35350-51; and the following single-lens ratio prints: MDA-2-26 (1 of 2), MDA-2-28, MDA-6-37, MDA-26-62, MDA-26-63, and MDA 26-64 (2 of 2).

3. **HORIZONTAL CONTROL**

The following third-order triangulation station was established during field work: LAKE ELOI LIGHT 3 1952. Station BRIG 1934 has been reported as lost on Form 526.

4. **VERTICAL CONTROL**

There are no bench mark in the quadrangle.

See "Special Report, Vertical Control and Contouring, Project Ph-89".

The Bakers Canal tide staff is located within the quadrangle and has been identified on the photographs.

5. **CONTOURS AND DRAINAGE**

See "Special Report, Vertical Control and Contouring, Project Ph-89".

The Bakers Canal and Bayou la Loutre tide staffs were used to control elevations in this quadrangle.

Drainage is all tidal and shows clearly on the photographs.
6. **WOODLAND COVER**
   The only vegetation in the quadrangle is marsh grass.

7. **SHORELINE AND ALONGSHORE FEATURES**
   All shoreline is apparent except where there is spoil along the shore. The mean low water line is contiguous with the mean high water line. There are no piers or other shoreline structures.

8. **OFFSHORE FEATURES**
   None except as reported on Form 567.

9. **LANDMARKS AND AIDS**
   Adequately covered by Form 567.

10. **BOUNDARIES, MONUMENTS, AND LINES**
    There are no political boundaries. For a discussion of section corners, see Field Inspection Report for Quadrangle T-9665( ).

11. **OTHER CONTROL**
    None.

12. **OTHER INTERIOR FEATURES**
    There is one house in the quadrangle.

13. **GEOGRAPHIC NAMES**
    See "Special Report, Geographic Names, Project Ph-89".

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**
    "Special Report, Vertical Control and Contouring, Project Ph-89", to be forwarded at a later date.
    
    "Special Report, Geographic Names, Project Ph-89", to be forwarded at a later date.
    
    Letter of Transmittal No. 89-7, Horizontal Control Data, forwarded to Tampa Photogrammetric Office 27 August 1952.
Letter of Transmittal No. 89-10, Horizontal Control Data, forwarded to Washington Office 27 August 1952.

Letter of Transmittal No. 89-11, Forms 567, forwarded to Washington Office 8 September 1952.

Letter of Transmittal No. 89-12, Forms 567, forwarded to Tampa Photogrammetric Office 8 September 1952.

Letter of Transmittal No. 89-17, Data, Quadrangles T-9665( ), T-9666( ), T-9667( ), T-9668( ), and T-9669( ), forwarded to Washington Office 17 September 1952.

Submitted
8 September 1952

B. Frank Lampton, Jr.
B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved & Forwarded
17 September 1952

Percy L. Bernstein
Chief of Party
PHOTOGRAHMETRIC PLOT REPORT

Submitted with T-9655.

31. DELINEATION

The manuscript was compiled by the graphic method. No unusual problems were encountered.

Photographs were of fair scale and quality. Field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The maximum ground elevation is seven (7) feet and is on one of the spoil banks.

No difficulty was encountered in delineation of the drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated according to the field inspector's notes. No difficulty was encountered.

36. OFFSHORE DETAILS

None.
37. LANDMARKS AND AIDS:

There are no landmarks.

One(1) fixed aid to navigation has been shown and Form 567 is being submitted herewith.

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations or photogrammetric stations.

39. JUNCTIONS

Junction has been made to the north with T-9662; to the west with T-9666; to the east with T-9668; and to the south with T-9670.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No land lines were shown. The field inspector failed to recover any control for the location of public land lines.
46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S. C&G.S. Planimetric Map T-5408, scale 1:20,000, compiled from photographs taken in November 1932; and U.S. G.S. LAKE ELOI QUADRANGLE, scale 1:31,680, 1935 edition. Only minor changes in shoreline are noted, due to normal erosion of shoreline by wave action.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with U.S. C&G.S. Chart 1270, scale 1:80,000, published June 1947 (2nd edition) and bearing a print date 13 October 1954. No differences worthy of note exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

Richard A. Reece
Carto Photo Aid

Approved and Forwarded;

Ira R. Rubottom, Chief of Party.
T-9667. Geographic Names.

Lake Athanasio
Bakers Canal
Blind Lagoon
Blind Pass
China Pass
Christmas Camp Bay (underlined by Heck on Geog. Names print)
Deep Pass
Drum Hole
Drum Lake

Elloi Bay
Bayou Eloi
Lake Eloi
Engineers Canal
Flat Bay
Halfmoon Lake

Isaacs Ditch

Joe Shuman Pass

Lake of the Mound
Long Lagoon
Louisiana
Bayou la Loutre

Mosquito Eight

Bayou Patre
Bayou Pointe-en-Pointe

Bayou Rason

St. Bernard Parish

Three Bayous
Treasure Bay
Treasure Pass
Deadman Island (underlined by Heck on Geog. Names print)

Names approved 9-19-56.
L. Heck L.A.
48. GEOGRAPHIC NAME LIST

BAKERS CANAL
BAYOU ELOI
BAYOU LA LOUTRE
BAYOU PETRE
BAYOU POINTE-EN-POINTE
BAYOU RAMON
BLIND LAGOON
BLIND PASS

CHINA PASS
CHRISTMAS CAMP LAKE

DEADMAN ISLAND
DEEP PASS
DRUM HOLE
DRUM LAKE

ELOI BAY --
ENGINEERS CANAL

HALFMOON LAKE
ISAACS DITCH

JOE SHUMAN PASS

LAKE ATHANASIO
LAKE ELOI
LAKE OF THE MOUND
LONG LAGOON
LOUISIANA

MOSQUITO BIGHT

ST BERNARD PARISH

THREE BAYOUS
TREASURE BAY
TREASURE PASS
PHOTOGRAMMETRIC OFFICE REVIEW
T-9667


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


ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines X 32. Public land lines J.G.

MISCELLANEOUS

40. Jesse A. Gillen
Reviewer

William A. Rauch
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

M-2673-12
49. NOTES FOR THE HYDROGRAPHER

None.
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. Beece

<table>
<thead>
<tr>
<th>STATE</th>
<th>LOUISIANA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>LIGHT 3</td>
<td>(...5.01 Lt. 3 1952)</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 reetermined shall be reported on this form. The data should be considered the property of the government and may be used only in connection with the performance of maritime functions.
<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide</td>
<td>3:21</td>
<td>2.2</td>
<td>High tide</td>
<td>5:21</td>
<td>4:10</td>
</tr>
<tr>
<td>Low tide</td>
<td>17:13</td>
<td>0.1</td>
<td>Time difference</td>
<td>+1:10</td>
<td></td>
</tr>
</tbody>
</table>

Duration of rise or fall: 11:52

Range of tide: 2.1

<table>
<thead>
<tr>
<th>Time H. T.</th>
<th>Required time</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:31</td>
<td>9:44</td>
<td>Tabular correction</td>
<td>Stage of tide above MLW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time H. T. or L. T.</th>
<th>Required time</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:13</td>
<td>Tabular correction</td>
<td>Stage of tide above MLW</td>
<td></td>
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<th>Stage of tide above MLW</th>
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<td>Feature bares</td>
<td>Stage of tide above MLW</td>
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<th>Required time</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
</tr>
</thead>
</table>

Computed by: [Signature]
Checked by: [Signature]
61. General Statement

See Summary

62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>Year</th>
<th>Scale (K)</th>
<th>Survey Year</th>
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</thead>
<tbody>
<tr>
<td>1099</td>
<td>1:20,000</td>
<td>1870</td>
</tr>
<tr>
<td>5408</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
</tbody>
</table>

Manuscript T-9677 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Lake Elo 1:31,680 1935

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 1270 1:80,000 2nd Ed. 1947 12/17/56

66. Adequacy of Results and Future Surveys

This manuscript complies with all instructions and meets The National Standards of Map Accuracy.

No Field Edit Report was submitted. The edit was confined to the possibility of construction of a land line net using 55 W camera photography. Photograph 55 W 1798 in particular shows extensive vehicle tracks in a general geometric pattern. It was thought these might be oil company explorations of the land line net. Subsequent communications with the oil companies proved this untrue. No land lines were delineated.

Two buildings and one canal were added during a comparison with the USGS 55 W camera photography.

Reviewed by

A. K. Heywood