
Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: TOPOGRAPHIC

Field No.: 6089 (Ph-39), Office No.: T-9662

LOCALITY

State: LOUISIANA
General locality: LAKE BORGNE
Locality: LAKE EUGENIE

1955

CHIEF OF PARTY
P.I. Bernstein, Chief of Field Party
Ira H. Rubottom, Tampa Photo Office

LIBRARY & ARCHIVES
DATE: APR 15, 1958
DESCRIPTIVE REPORT - DATA RECORD

T-9662

Project No. (II): 6089(Ph-89)  Quadrangle Name (IV): LAKE EUGENIE


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

Instructions dated (II) (III): 11 April 1952  Copy filed in Division of

Method of Compilation (III): Graphic  Photogrammetry (IV)

Manuscript Scale (III): 1:20,000  Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): 5-7-56  Date reported to Nautical Chart Branch (IV):

Applied to Chart No.  Date:  Date registered (IV): 4 Mar 1958

Publication Scale (IV):

Geographic Datum (III): N.A.1927

Publication date (IV):

Vertical Datum (III):

Mean sea level except as follows:

Elevations shown as (25) 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): LAWSON 1934

Lat.: 29°55′08″.908 (274.3m)  Long.: 89°22′57″.348 (1538.3m)

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)
DATA RECORD

Field Inspection by (III): B.F. Lambert, Jr.
S.H. Hollis, Jr.
E.T. Ogilby
C.H. Baldwin
Plane table contouring by (III): Same as above

Completion Surveys by (III): See descriptive Report Item 66

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

Projection and Grids ruled by (IV): Joan Thuma (W.O.)
Projection and Grids checked by (IV): H.D. Wolfe (W.O.)
Control plotted by (III): I.I. Saperstein

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

Radial Plot or Stereoscopic
Control extension by (III): M.M. Slavney
Stereoscopic Instrument compilation (III): Inapplicable

Planimetry
Contours

Manuscript delineated by (III): R.E. Smith

Photogrammetric Office Review by (III): R.A. Reese

Elevations on Manuscript
checked by f/s (III): R.A. Reese

Date: June, Sept. 1952
Date: July, Sept. 1952
Date: 19 June 53
Date: 24 June 53
Date: 10 August 53
Date: 10 August 53
Date: 27 October 54
Date: August 1955
Date: August 1955
Date: August 55
**DESCRIPTIVE REPORT - DATA RECORD**

Camera (kind or source) (III): C. & G. S. 9-lens camera

M.D.A. Single-lens

**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>35299</td>
<td>27 Feb.1952</td>
<td>11:10</td>
<td>1:20,000</td>
<td></td>
</tr>
<tr>
<td>35300</td>
<td></td>
<td>11:10</td>
<td></td>
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<tr>
<td>35323 thru 35326</td>
<td></td>
<td>11:17</td>
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<tr>
<td>3931/3 thru 3931/6</td>
<td>28 Feb. 1952</td>
<td>9:31</td>
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<tr>
<td>MDS-14-031 thru 032</td>
<td>8 Feb. 1952</td>
<td>9:31</td>
<td></td>
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<td>MDS-15-015</td>
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<td>8</td>
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<tr>
<td>MDS-15-018 thru 10</td>
<td>27 Feb. 1952</td>
<td>8</td>
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<tr>
<td>MDS-22-075</td>
<td>7 Mar. 1952</td>
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**Tide (III)**

*From Predicted Tides*

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lo</td>
<td>0.8</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Reference Station: Pensacola, Florida

Subordinate Station: Long Point, Lake Borgne, La.

Subordinate Station: 

Washington Office Review by (IV): A.K. Heywood

Final Drafting by (IV):

Drafting verified for reproduction by (IV): 

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 1A

Shoreline (More than 200 meters to opposite shore) (III): 81

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 5

Recovered: 5

Identified: 5

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:

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 planetable 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 7½ minute quadrangles.

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

This map is composed of Lake Eugenie, part of Bay Boudreau, various smaller lakes, and the surrounding marsh. The marsh is divided and re-divided by the smaller lakes and many tidal bayous.

There are no cultural features except for an occasional trapper's cabin or fisherman's camp.

An Indian mound charted in the southeast corner of this area on charts 1268 and 1270 has now decreased in size so much as to lose its value as a landmark feature. This mound can now be found only by those few who are thoroughly familiar with the area. The elevation is no greater than the surrounding marsh.

Nine-lens photographs were excellent in quality but the single-lens photographs lacked contrast and definition.

Field work was done on nine-lens photographs Nos. 35300, 35324 thru 35326, 35351, and single-lens photographs MDA-4-031(1 of 2), and MDA-04-032 (2 of 2).

Field inspection is believed to be complete and adequate.

3. **HORIZONTAL CONTROL**

All existing horizontal control was recovered and identified. No supplemental control was established.

4. **VERTICAL CONTROL**

Reference tide staffs used for control of elevations were Blind Pass, Bay Boudreau, and Bakers Canal. See "Special Report, Vertical Control and Contouring, Project Ph-89".

5. **CONTOURS AND DRAINAGE**

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

6. **WOODLAND COVER**

See Field Inspection Report, Quadrangle T-9659( ).

7. **SHORELINE AND ALONGSHORE FEATURES**

See Field Inspection Report, Quadrangle T-9659( ).
8. OFFSHORE FEATURES

See Field Inspection Report, Quadrangle T-9659( ).

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS, AND LINES

See Field Inspection Report, Quadrangle T-9659( ).

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

See Field Inspection Report, Quadrangle T-9659( ).

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. 89-15, Data, Quadrangles T-9660( ), T-9661( ), T-9662( ), T-9663( ), and T-9664( ), forwarded to Washington Office 16 September 1952.

Submitted
8 September 1952

Eugene T. Ogilby
Cartographic Survey Aid.

Approved & Forwarded
16 September 1952

Percy L. Bernstein
Chief of Party
COMPILATION REPORT T-9662

PHOTOMGRAMMETRIC PLOT REPORT

Submitted with T-9655

31. Delineation

The graphic method was used.
Field inspection was adequate.
The 35000 series photographs were of fair scale but poor clarity. The 39000 series were good clarity but of unusually poor scale. The latter photographs were used wherever possible, but with the aid of the projector.

Due to the difference in time of photography and stage of tide between the two series of photographs, the identification of common detail points was difficult.

32. Control

Reference Photogrammetric Plot Report.

33. Supplemental Data

None

34. Contours and Drainage

No difficulties were encountered in the delineation of contours and drainage. The only contour appears along the southwest side of BAYOU LA LOUIRE. No contour. A LIVES WITH SPOT ELEVATIONS.

35. Shoreline and Alongshore Details

Shoreline inspection was adequate. No low-water line was shown.

36. Offshore Details

No statement.
37. LANDMARKS AND AIDS

No statement.

38. CONTROL FOR FUTURE SURVEYS

There are no topographic or photo-hydro stations.

39. JUNCTIONS

A satisfactory junction has been made with T-9657 on the north; T-9663 on the east; T-9661 on the west; and T-9667 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No attempt was made to show section lines as no corners or points on line were recovered by the field inspector.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5322(1932) scale 1:20,000. The two are in fair agreement.

Comparison was also made with U.S. Geological Survey Quadrangle Lake Eugenie, La; scale 1:31,680, dated 1935. The two are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Nautical Chart No. 1270, scale 1:80,000, published June 1947 and having a print date of 18 October 1954. The agreement was fair.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

[Signature]
Hamford E. Smith Jr.
Carto Photo Aid

Approved and Forwarded

Ira R. Rubottom, Chief of Party.

[Signature]
T-9662

Geographic Names.

Bayou Biloxi
Bobs Bayou
Bobs Lakes
Bay Boudreau
Busters Bayou
Crooked Bayou
Bayou Domingo

Lake Eugenie

Flat Bayou

Goose Flat

Indian Mound

Lawson Bay
Louisiana
Bayou la Loutre

Bayou Marron
Lakes of Bayou Marron
Lake of the Mound
Bayou Muscle

Pirate Point

Redfish Bayou

St. Bernard Parish
Stump Lagoon

Wild Goose Island

Names approved 9-20-56.
L. C. Hol'i.
48. GEOGRAPHIC NAME LIST

BAY BOUDREAU
BAYOU BELOXI
BAYOU DOMINGO
BAYOU LA LOUTRE
BAYOU MARRON
BAYOU MUSCLE
BOBS BAYOU
BOBS LAKES
BUSTERS BAYOU

* CROOKED BAYOU

FLAT BAYOU

GOOSE FLAT

INDIAN MOUND

LAKE EUGENIE
LAKES OF BAYOU MARRON
LAKE OF THE MOUND
LAWSON BAY

LOUISIANA

PIRATE POINT

REDFISH BAYOU

ST BERNARD PARISH
STUMP LAGOON

WILD GOOSE ISLAND

* Shown as indicated on Geographic Name sheet, U.S.G.S. Quadrangle LAKE EUGENIE. CROOKED BAYOU is shown in a
different locality on U.S.G.S Planimetric Map T-5322. Approximate
latitude 29°52.5' longitude 89°24.5'.
49. NOTES FOR THE HYDROGRAPHER

None.
## Tide Computation

**Project No.: Ph. 89  T. 9662**

**Time and Date of Exposure:** 9:34, Sept 28, 1937  
**Reference Station:** Pensacola, Florida

**Date of Field Inspection**

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<th>Height x Ratio of Ranges</th>
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<td>6.8</td>
<td>1.4</td>
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<tr>
<td>Low tide</td>
<td>0.1</td>
<td>0.1</td>
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**Subordinate Station:** Long Point, Lake Borgne, La.

**Range of Tide:** 1.7

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<th>Time Difference</th>
<th>Corrected Time at Subordinate Station</th>
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<td>+1 0.5</td>
<td>18:48</td>
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<th>Required Time</th>
<th>Interval</th>
<th>Ht. H. T. or L. T.</th>
<th>Tabular Correction</th>
<th>Stage of Tide above MLW</th>
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<tr>
<td>6:56</td>
<td>9:34</td>
<td>2:54</td>
<td>1.4 v</td>
<td>0.1</td>
<td>Feature bares</td>
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<tr>
<td>Feature bares</td>
<td>Stage of tide above MLW</td>
<td>Feature above MLW</td>
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**Computed by:** [Signature]

**Checked by:** [Signature]
# Tide Computation

**Project No.** Ph-68  T-9662

**Date of Field Inspection**

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<tr>
<th>Time</th>
<th>Feature Bares</th>
<th>Stage of Tide Above MLW</th>
<th>Feature Above MLW</th>
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<tr>
<td></td>
<td>Feature Bares</td>
<td>Stage of Tide Above MLW</td>
<td>Feature Above MLW</td>
</tr>
</tbody>
</table>

**Computed by** [Signature]  **Checked by** [Signature]
PHOTOGRAMMETRIC OFFICE REVIEW

T-9662


CONTROL STATIONS

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


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES


MISCELLANEOUS


40. Richard A. Reese
   Reviewer

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:
Review Report T-9662
Topographic
1 October 1957

61. General Statement

See summary

62. Comparison With Registered Topographic Surveys

405 1:20,000 1857
768 1:20,000 1858
5322 1:20,000 1934

This manuscript supercedes all the above surveys in common areas as source material for chart construction. Refer to Item 2, Paragraph 3, Field Inspection Report.

63. Comparison With Maps of Other Agencies

USGS Lake Eugenie, La. 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
" 1268 1:80,000 3rd Ed. 1940 3/25/57

66. Adequacy of Results and Future Surveys

This manuscript complies with all instructions and meets the National Standards of Map Accuracy.
No Field Edit was necessary due to the sparsity of culture and the completeness of field inspection.
The manuscript was compared with USCGS "W" camera 1955 photographs to verify the delineation. One building was added.

Reviewed by:

[Signature]
A. K. Heywood
Approved:

LeLande
Chief, Review Branch
Photogrammetry Division

[Signature]

Chief, Photogrammetry Division
21 March 1973

May Beckett
Chief, Nautical Chart Branch
Charts Division

[Signature]

Chief, Coastal Surveys Division