**Form 504**

**U.S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>TOPOGRAPHIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No</td>
<td>6089 (Ph-89)</td>
</tr>
<tr>
<td>Office No</td>
<td>T-9661</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>LOUISIANA</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Locality</td>
<td>LAKE BORNE</td>
</tr>
<tr>
<td>Locality</td>
<td>POINT aux MARCHETTES</td>
</tr>
</tbody>
</table>

**1955**

**CHIEF OF PARTY**

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

**LIBRARY & ARCHIVES**

**DATE**

APR 15 1958
DATA RECORD

T-9661

Project No. (II): 6089(Ph-89) Quadrangle Name (IV): RT ADX MARCHETTES


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

Instructions dated (II) (III): 11 April 1952 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): 5-7-58 Date reported to Nautical Chart Branch (IV):

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

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): M.S.L.

Mean sea level except as follows:
Elevations shown as (ft) refer to mean high water
Elevations shown as (m) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): TRIP, 1934

Adjusted

Lat.: 29°56'26.910 (828.6 m) Long.: 89°34'51.646 (1385.0 m)

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.
DATA RECORD

Field inspection by (II): C.H. Baldwin
S.L. Hollis, Jr.
E.T. Ogilby

Date: May - Aug. 1952

Planetary contouring by (II): C.H. Baldwin
S.L. Hollis, Jr.
E.T. Ogilby

Date: June, Aug. 1952

Completion Surveys by (II):

Date:

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

August 1952

Projection and Grids ruled by (IV): Joan Thuma (WO)

Date: 18 June 1953

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

Date: 22 June 1953

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

Date: 7 August 1953

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

Date: 10 August 1953

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

Date: 22 October 1954

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Inapplicable

Date:

Manuscript delineated by (III): I.I. Saperstein

Date: August 55

Photogrammetric Office Review by (III): R. Dossett

Date: August 55

Elevations on Manuscript
checked by (III): R. Dossett

Date: 9 August 1955

Form T-Page 3
Camera (kind or source) (III): U.S.C.&G.S. Nine-Lens, 8\text{\textquoteleft\textquoteleft} focal length

<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>35298</td>
<td>27 February 1952</td>
<td>11:08</td>
<td>1:20,000</td>
<td>0.3</td>
</tr>
<tr>
<td>35299</td>
<td>&quot;</td>
<td>11:10</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>35326</td>
<td>&quot;</td>
<td>11:40</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Predicted Tide (III)

Reference Station: Pensacola
Subordinate Station: Long Point, Lake Borgne
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): 43
Shoreline (More than 200 meters to opposite shore) (III): 32 lineal
Shoreline (lesser than 200 meters to opposite shore) (III):
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 3
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
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 planelable 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 67 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' 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 marsh, broken into irregular sections by bayous and lakes. The shoreline is mostly apparent with occasional shell beaches. The most prominent natural feature is Bayou la Loutre, an old bed of the Mississippi River, which passes through the southeast corner of the map.

A natural feature of special importance is Magnolia Mound (See "Special Report, Geographic Names, Project Ph-89"). This mound is the highest natural elevation in the area. It has been identified and contoured on photograph 35326.

Field inspection is believed to be adequate and complete with no item left to be done by the field editor.

Nine-lens photograph quality is excellent.

Field work has been done on nine-lens photographs 35298 through 35300 and 35325 through 35327.

3. HORIZONTAL CONTROL

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

4. VERTICAL CONTROL

Blind Pass, Shell Beach, and Bakers Canal tide staffs were used as reference for reducing all elevations based on water surface to mean sea level.

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

5. CONTOURING AND DRAINAGE

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

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

Adequately covered by the photographs. Also, see Field Inspection Report, Quadrangle T-9659. 
8. **OFFSHORE FEATURES**

There are none.

9. **LANDMARKS AND AIDS**

There are no landmarks. The lone fixed aid to navigation was identified on the photographs for location by photogrammetric methods. Form 567 submitted.

10. **BOUNDARIES, MONUMENTS AND LINES**

There are no political boundaries in the area.

No section corners were recovered. For further discussion of land lines see Field Inspection Report, Quadrangle T-9660( ).

11. **OTHER CONTROL**

None.

12. **OTHER INTERIOR FEATURES**

See Field Inspection Report, Quadrangle T-9660( ).

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. 89-11, 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. 89-15, Data, Quadrangles T-9660( ), T-9661( ), T-9662( ), T-9663( ), and T-9664( ), forwarded to Washington Office 16 September 1952.

Submitted
8 September 1952

Charles H. Baldwin
Cartographic Survey Aid

Approved & Forwarded
16 September 1952

Percy L. Bernstein
Chief of Party
COMPILATION REPORT T-9661

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655.

31. Delineation

Compilation was by the graphic method.

The field inspection was adequate and no difficulty was encountered in the interpretation of the marsh or other features.

The photographs were of fair scale.

32. Control

Reference Photogrammetric Plot Report.

33. Supplemental Data

None.

34. Contours and Drainage

No difficulty was encountered in the delineation of relief. The only contour shown by the field inspector is near Magnolia Mound at the southeast part of the sheet.

However, the U.S.G.S. Topographic Map "Shell Beach, LA", shows a fifteen foot contour near Jahnkess Ditch in the southwestern part of the quadrangle.

35. Shoreline and Alongshore Details

The shoreline inspection was adequate and no difficulty was encountered in its delineation.

36. Offshore Details

None.
37. LANDMARKS AND AIDS

Reference Item 9

38. CONTROL FOR FUTURE SURVEYS

No marked topographic stations or photo-hydro stations were established. One Form 524 is being submitted for the light offshore from the mouth of BAYOU ST. MALO. It has been listed under Item 49.

39. JUNCTIONS

T-9656 to the north— in agreement.
T-9660 to the west— water area.
T-9662 to the east— in agreement.
T-9666 to the south— in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No section corners were recovered; consequently no section lines have been shown.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Topographic Quadrangle, SHELL BEACH LA. scale 1:62,500, edition of 1941.

Comparison has been made with C&GS Planimetric Map No. T-5314 compiled from photographs of Dec.1932. Some displacement of detail was noted due to differences in radial plots.

A new channel has been cut at the mouth of BAYOU ST. MALO.
47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with C&GS Chart No. 1268 scale 1:80,000, published Sept. 1940, corrected to 13 April 1953.

The planimetric map listed under Item 46 is probably the source of topography for the chart except the new channel at BAYOU ST. MARLO is shown on Chart 1268.

Comparison was also made in the C&GS Chart No. 1270, scale 1:80,000, published June 1947, corrected to 18 Oct. 1954; and Chart No. 1271, scale 1:80,000, published April 1939, corrected to 7 Dec. 1953. Both charts cover part of the map manuscript. The new channel at BAYOU ST. MARLO is not shown on Chart 1271.

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

None

**ITEMS TO BE CARRIED FORWARD**

None

Approved and Forwarded.

Ira R. Rubottom, Chief of Party.
T-9661

Geographic Names:

Bayou Biloxi
Biloxi Lagoon
Blind Bayou
Lake Bergne
Brick Lagoon
Cutoff Bayou
Cutoff Lagoon

Grand Bayou
Bayou Hacuse
Jahnke's Ditch

Lake Shore-Bayou
Bayou la Lutre
Louisiana
Bayou Magnolia
Magill Lagoon
Bayou Magnolia
Magnolia Lagoon
Magnolia Pond
Pte aux Marchettes

Lakes of Bayou Marron
Mickle Bay
Bayou Musc Lini

Wigger Lagoon
Padre Bayou
Pete's Lagoon

St Bernard Parish
Bayou St Malo
Southwest Branch Bayou Biloxi
Stump Lagoon

Names approved 9-20-56
L. Heek, A.

*Title:

In view of the size of Lake Bergne, its use for a single sheet title scarcely seems appropriate.

* NAME OF MAP CHANGED TO
  "Lt. aux Marchettes"
GEOGRAPHIC NAME LIST

BAYOU BILOXI
BAYOU HASCOUSE
BAYOU LA LOUTRE
BAYOU MAGNOLIA
BAYOU MUSCELINI
BAYOU ST. MALO
BILOXI LAGOON
BLIND BAYOU
BRICK LAGOON
CUTOFF BAYOU
CUTOFF LAGOON

GRAND BAYOU

JAHNCKES DITCH

LAKE BORCNE
LAKE SHORE BAYOU
LOUISIANA

MAGILL LAGOON
MAGNOLIA LAGOON
MAGNOLIA MOUND
MUSCLE BAY

NIGER LAGOON

PADRE BAYOU
PETES LAGOON
PTE AUX MARCHETTES

SOUTHWEST BRANCH BAYOU BILOXI
STUMP LAGOON

ST BERNARD PARISH

(OSCO IN TITLE ALSO)
49. NOTES FOR THE HYDROGRAPHER

The only station which may be of use to the hydrographer and for which a Form 524 is submitted is as follows:

BAYOU ST. MALO LIGHT 1 (MALT, 1952)
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

<table>
<thead>
<tr>
<th>STATE</th>
<th>LOUISIANA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</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
TIDE COMPUTATION

PROJECT NO. Ph. 89 T. 9661

Time and date of exposure 1108 27Feb 1952 Reference station Pensacola
Mean range

Date of field inspection Aug 1952 Subordinate station Long Point Lake Borges Ratio of ranges 0.8

<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td>Low tide</td>
<td>0.4</td>
<td>0.3</td>
</tr>
<tr>
<td>Duration of rise or fall</td>
<td>Range of tide</td>
<td>0.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide at Ref. Sta.</td>
<td>12 24</td>
<td></td>
</tr>
<tr>
<td>Time difference</td>
<td>+ 1 35</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low tide at Ref. Sta.</td>
<td>7 40</td>
<td></td>
</tr>
<tr>
<td>Time difference</td>
<td>+ 1 35</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrected time at Subordinate station</td>
<td>13 59</td>
<td></td>
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</table>

Computed by 115 Checked by R. O. E.
PHOTOGRAMMETRIC OFFICE REVIEW

T-9661


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) R.D. 7. Photo hydro stations XX 8. Bench marks XX

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES

MISCELLANEOUS

40. R. Dossatt 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

43. Remarks:
REVIEW REPORT T-9661
TOPOGRAPHIC
26 September 1957

61. General Statement

See summary

62. Comparison with Registered Topographic Surveys

405 1:20,000 1853
628 1:20,000 1859
3664 1:40,000 1917
5314 1:20,000 1934

Manuscript T-9661 supersedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Shell Point 1:62,500 1939
USGS Bayou Biloxi 1:31,680 1935

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1268 1:80,000 3rd ed. 1940 3/25/57
1270 1:80,000 2nd ed. 1947 12/17/56
1271 1:80,000 " " 1939 7/22/57

Refer to Compilation Report Item 47.

66. Adequacy of Results and Future Surveys

This map complies with all instructions and meets the National Standards of Map Accuracy.

No field edit was necessary due to the nature of the terrain. A complete field inspection was furnished. All delineation was checked with "\"\" camera 1955 photography. No changes were made.

Reviewed By:

A. K. Heywood
Approved:

[Signature]
Chief, Review Branch
Photogrammetry Division

[Signature]
Chief, Photogrammetry Division
20 March 1958

[Signature]
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Coastal Surveys
# Nautical Charts Branch

Survey No. T.9661
Reviewed 26 Sept. 1957
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>4-2-59</td>
<td>1271</td>
<td>R.K.D.</td>
<td>Partial Application Before After Verification and Review</td>
</tr>
<tr>
<td>10-30-59</td>
<td>1270</td>
<td>E.M.A.</td>
<td>Consider completely applied. Important difference Before After Verification and Review</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.