U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Topographic
Field No.: Ph-89       Office No.: T-9660

LOCALITY
State: Louisiana
General locality: Lake Borgne
Locality: Proctor Point

1952-55

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

LIBRARY & ARCHIVES

DATE: May 15, 1958
DATA RECORD

T-9560

Project No. (II): Ph-89

Quadrangle Name (IV): Proctor Point


Chief of Party: P.L. Bernstein

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: I. 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): Sep 29 1955

Date reported to Nautical Chart Branch (IV):

Date registered (IV): Feb 26 1958

Applied to Chart No.

Publication Scale (IV):

Publication date (IV):

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 (1) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): Proctor Point 3, 1952

Lat.: 29° 57' 26.676 (821.lm.) Long.: 89° 43' 40.313 (1081.0m.)

Adjusted:

Plane Coordinates (IV):

State: X-

Zone: 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): C.H. Baldwin
B.F. Lampton Jr.

Date: May, June 1952

Planetable contouring by (II): C.H. Baldwin

Date: June 1952

Completion Surveys by (II): Date:

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

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

Date: 18 June 1953

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

Date: 23 June 1953

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

Date: 7 Aug. 1953

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

Date: 7 Aug. 1953

Radial Plot and Contouring by (III): M. M. Slavney

Date: 13 Oct. 1954

Stereoscopic Instrument compilation (III): Inapplicable

Date:

Planimetry

Date:

Contours

Date:

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

Date: Aug. 1955

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

Date: Sept. 1955

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

Date: Sept. 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>35280</td>
<td>27 Feb. 1952</td>
<td>10L44</td>
<td>1:20,000</td>
<td>0.3</td>
</tr>
<tr>
<td>35281</td>
<td>&quot;</td>
<td>10L5</td>
<td>&quot;</td>
<td>0.3</td>
</tr>
<tr>
<td>35282</td>
<td>&quot;</td>
<td>10L5</td>
<td>&quot;</td>
<td>0.3</td>
</tr>
<tr>
<td>35295</td>
<td>&quot;</td>
<td>11.06</td>
<td>&quot;</td>
<td>0.3</td>
</tr>
</tbody>
</table>

Reference Station: PENSACOLA, FLORIDA
Subordinate Station: LONG POINT, LAKE BOROWE

Washington Office Review by (IV): [Signature]

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 6
Shoreline (More than 200 meters to opposite shore) (III): 11
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 8*
Recovered: 1*
Identified: 1**
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (II): None
Number of Temporary Photo Hydro Stations established (II): None
Remarks:

*Includes two (2) stations established

**Includes station west of project
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 planitable 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 6x 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

The land area is entirely marsh and forms part of the dividing point between the two large circular protuberances forming the west end of Lake Borgne. Proctor Point is the most prominent natural feature.

Photographic quality was good. Interpretation of photographic tones will present no difficulty to photogrammetric personnel familiar with marsh areas.

Field inspection was done using nine-lens field photographs Nos. 35281, 35282, 35283, and 35296.

3. HORIZONTAL CONTROL

Station PROCTOR 2 was not recovered. PROCTOR PT. 3 was established from PROCTOR 2 RM 2 which was recovered. PROCTOR PT. 3 was identified.

Stereoscope equipment available would not permit positive identification of station ALLIGATOR PT. LT. 1952 because of the distance which it lies offshore.

The following stations were reported lost: PROCTOR PT. 2 1934, and ALLIGATOR PT. LT. 1934.

4. VERTICAL CONTROL

There are no existing bench marks in the area. For vertical control for elevations, see "Special Report, Vertical Control and Contouring, Project Ph-89".

The Shell Beach tide staff was used to establish mean sea level datum in this quadrangle.

5. CONTOURS AND DRAINAGE

There are no contours in the area. The elevations of the marsh at irregular intervals in accessible areas were determined by hand level from the water surface and reduced to mean sea level by comparison with simultaneous hourly readings taken on the Shell Beach tide staff, as described in the Special Report listed in the preceding item.

All drainage is tidal and is evident on the photographs.

6. WOODLAND COVER

There is none in the area.
7. SHORELINE AND ALONGSHORE FEATURES
   Adequately covered by the photographs.

8. OFFSHORE FEATURES
   There are none.

9. LANDMARKS AND AIDS
   There are no landmarks or aeronautical aids. Aids to navigation are adequately covered by Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES
    There are no political boundaries within the quadrangle.

   No section corners exist. A thorough investigation of the land lines in the area was made by contacting private surveyors, engineers, and other individuals familiar with the area. Because of the date of the original survey the non-existence of new surveys and the lack of success by private individuals searching for section corners no attempt was made to search for section corners in this area.

11. OTHER CONTROL
    There is none.

12. OTHER INTERIOR FEATURES
    Trappers cabins along bayous navigable to shallow draft boats have been indicated on the photographs and classified Class 1 buildings due to the lack of landmark features.

    There are no other interior features.

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.

Letters of Transmittal Nos. 89-8 and 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. 89-15, 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 and Forwarded
16 September 1952

Percy L. Bernstein
Chief of Party
PHOTOMETRIC PLOT REPORT

Submitted with T-9666.

31. DECLINATION

The manuscript was compiled by the graphic method.

The photographs were of fair scale. No difficulty was encountered in the interpretation of the marsh.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

The maximum ground elevation is two feet. The drainage, almost completely natural, was mapped without difficulty.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and no difficulty was encountered in the delineation of the shoreline. In some areas shell has built up along the marsh shoreline. These areas have been shown with a mean high-water line.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

One fixed aid to navigation has been shown and Form 567 is being submitted herewith.
38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junction has been made with the following surveys:

T-9661 - to the east
T-9792 - to the north
T-9665 - to the south

There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES AND PUBLIC LAND LINES

Reference is made to Special Report, Boundaries, Ph-66(50), page 8a. As amended by Act 338 of 1936, the boundary of Orleans Parish runs "along the main shore of Lake Borgne, including all islands within one (1) marine league distance thereof". The W. C. has been asked on an azalid print to interpret the intent of the act with respect to the placement of the boundary line.

No section corners were submitted by the field party. It was therefore impossible to "tie down" the section lines as shown on the General Land Office plats.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with topographic quadrangle "SHELL BEACH, LA.," scale 1:62,500, edition of 1941 and planimetric map T-514h, scale 1:20,000, dated 1932. The two surveys are in good agreement considering the difference of time.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with C&GS Nautical Chart No. 1268, scale 1:30,000, edition of 1940, bearing a print date of 13 April 1953. The maps listed under Item 46 appear to be the source of topography on the nautical chart. The same differences between the manuscript were noted.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

I. L. Saperstein
Carto Photo Aid

APPROVED AND FORWARDED

Ira R. Rubottom, Chief of Party
48. GEOGRAPHIC NAME LIST

CAMP BAYOU

FLAGPOLE BAYOU
FLAT BAYOU
FORT BAYOU

GRAND BAYOU

LAKE BORNE
LOUISIANA

PROCTOR POINT

ST. BERNARD PARISH
STUMP BAYOU

Names approved
10-11-55, L. Heck
49. NOTES FOR THE HYDROGRAPHER

None.
### TIDE COMPUTATION

**PROJECT NO. Ph. 89 T. 9660**

**Time and date of exposure**: 1945-02-27 12:45  
**Reference station**: Pensacola  
**Date of field inspection**:  
**Subordinate station**: Long Point, Lake Borgne  
**Mean range**:  
**Ratio of ranges**: 0.8

<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>13 59</td>
<td></td>
<td>High tide</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td>Low tide</td>
<td>9 15</td>
<td></td>
<td>Low tide</td>
<td>0.4</td>
<td>0.3</td>
</tr>
<tr>
<td>Duration of rise or fall</td>
<td>4 44</td>
<td></td>
<td>Range of tide</td>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>

**Time**  
**h. m.**

**Time High tide at Ref. Sta.**  
**h. m.** 12 44

**Time difference**  
**h. m.** +1 35

**Corrected time at Subordinate station**  
**Time**  
**h. m.** 13 59

**Time Low tide at Ref. Sta.**  
**h. m.** 7 40

**Time difference**  
**h. m.** +1 35

**Corrected time at Subordinate station**  
**Time**  
**h. m.** 9 15

<table>
<thead>
<tr>
<th>Time H. T. or L. T.</th>
<th>Required time</th>
<th>Interval</th>
<th>H. T. or L. T.</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9 15</td>
<td>10 45</td>
<td>1 30</td>
<td>0.3</td>
<td>Feature bares</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stage of tide above MLW</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Feature above MLW</td>
</tr>
</tbody>
</table>

**Time H. T. or L. T.**  
**Required time**  
**Interval**  

**Time H. T. or L. T.**  
**Required time**  
**Interval**  

**Time H. T. or L. T.**  
**Required time**  
**Interval**  

**Time H. T. or L. T.**  
**Required time**  
**Interval**  

**Computed by**: 115  
**Checked by**: R. D. W. A. L. Y.
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 Y. L. Sapirstein, Certo Photo Aid.

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE*</th>
<th>LONGITUDE*</th>
<th>METHOD OF LOCATION AND SURVEY No.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAKE BORNE - SOUTH END</td>
<td>ALIGATOR POINT, black and white triangular pyramidal structure on piles</td>
<td>29 59 19.087 587.0</td>
<td>89 h2 38.951 1046.1</td>
<td>1927</td>
<td>T-9660</td>
<td>1952</td>
</tr>
</tbody>
</table>

NOTE: According to the 1955 Light List, this light was rebuilt in 1958.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating
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 A. K. Heywood

Louisiana

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHT</td>
<td>ALLIGATOR POINT, black and white triangular pyramidal structure on piles.</td>
<td></td>
<td>29 59 034</td>
<td>89 42 542</td>
<td>N.A.</td>
<td>T-9660</td>
<td>1957</td>
<td>X</td>
</tr>
</tbody>
</table>

FIELD EDIT 1957

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 sheets. Information under each column heading should be given.
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 A. K. Haywood.

<table>
<thead>
<tr>
<th>STATE</th>
<th>Louisiana</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>LIGHT</td>
</tr>
<tr>
<td>DESCRIPTION</td>
<td>ALLIGATOR POINT, black and white triangular pyramidal structure on piles</td>
</tr>
<tr>
<td>SIGNAL NAME</td>
<td></td>
</tr>
<tr>
<td>POSITION</td>
<td></td>
</tr>
<tr>
<td>LATITUDE</td>
<td>29 59</td>
</tr>
<tr>
<td>LONGITUDE</td>
<td>89 42</td>
</tr>
<tr>
<td>DATUM</td>
<td>N.A.</td>
</tr>
<tr>
<td>METHOD OF LOCATION</td>
<td>1927</td>
</tr>
<tr>
<td>DATE OF LOCATION</td>
<td>1952</td>
</tr>
<tr>
<td>CHARTS</td>
<td>1268</td>
</tr>
</tbody>
</table>

FIELD EDIT 1957

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 for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
PHOTOGRAHMETRIC OFFICE REVIEW
T. 9660


Unclassified

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

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES

MISCELLANEOUS

40. Jesse A. Miles  
Reviewer  

William I. Nagursky  
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:
61. **General Statement**

See summary

62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Number</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>629</td>
<td>1:20,000</td>
<td>1857</td>
</tr>
<tr>
<td>5314</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
</tbody>
</table>

Manuscript T-9660 supercedes all the above surveys in common areas as source material for chart construction.

63. **Comparison with Maps of Other Agencies**

USGS Shell Beach, La., 1:62,500, 1941

64. **Comparison with Contemporary Hydrographic Surveys**

None

65. **Comparison with Nautical Charts**

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.

Field edit was accomplished in 1957. No report is submitted since the edit was limited to the "cutting in" of Alligator Point Light. A new position was established.

All delineation was checked using the "m" camera photographs taken in 1955. No changes were made.

Reviewed by:

A. K. Herwood

Approved

La Lande

Chief, Review Branch
Photogrammetry Division

Mazzetti

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys
## Nautical Charts Branch

**Survey No. T.9660**

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></td>
<td>1269</td>
<td>R.K.D.</td>
<td>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.