# Descriptive Report

## U.S. Coast and Geodetic Survey

**Type of Survey:** Topographic

**Field No.:** Ph-89  
**Office No.:** T-9668

## Locality

**State:** Louisiana

**General locality:** Chandeleur Sound

**Locality:** Morgan Harbor

## Chief of Party

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

## Library & Archives

**Date:** APR 15, 1958
DATA RECORD

T 9668

Project No. (II): Ph-89

Quadrangle Name (IV): MORGAN HARBOR


Chief of Party: P.L. Bernstein

Photogrammetric Office (III): Tampa, Fla.

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): 7-26-55

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date: 4 March 1958

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (g) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): MYTH 2, 1952

Lat.: 29° 43' 13.736 (422.9 m.)
Long.: 89° 16' 45.787 (1228.6 m.)

Adjusted

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.
Areas contoured by various personnel
(Show name within area)
(I) (II) (III)
DATA RECORD

Field Inspection by (II): I.Y. Fitzgerald  
B.F. Lampton, Jr.  
S.L. Hellis, Jr.  
E.T. Ogilby  

Date: June-Aug. 1952

S.L. Hellis, Jr.  
E.T. Ogilby

Date: June-Aug. 1952

Completion Surveys by (II): See Review Report Item 66

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: 30 June 1953

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

Date: 30 June 1953

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

Date: 18 Aug. 1953

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

Date: 19 Aug. 1953

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

Date: 28 Oct. 1954

Planimeter

Stereoscopic instrument compilation (III): Inapplicable

Contours

Date:

Manuscript delineated by (III): R. Dossett

Date: May 1955

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

Date: June 1955

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

Date: June 1955
Camera (kind or source) (III): USC&GS Nine-lens, 8 1/4" focal length

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Tide (III)

From predicted tides

Reference Station: PENSACOLA, FLORIDA
Subordinate Station: BAY ST. LOUIS

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

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

Land Area (Sq. Statute Miles) (III): 20
Shoreline (More than 200 meters to opposite shore) (III): 99
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 7 (3)* Recovered: 2 Identified: 2 (3)*
Number of BMs searched for (II): None Identified: 0
Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:
( )* Third-Order stations established
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 planimetric 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 Geodetic 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 entire land area is marsh with occasional small deposits of shell beach. There are no prominent natural features.

Field inspection is believed to be adequate and complete.

Quality of the photographs was considered poor.

Field work was done on single lens photographs MDA-4-28, MDA-4-30, MDA-6-33, MDA-6-35, MDA-6-37, MDA-26-64, MDA-26-65, MDA-26-66, all (2 of 2); and MDA-6-33, MDA-6-34, MDA-6-35, MDA-6-36, and MDA-26-65, all (1 of 2).

3. HORIZONTAL CONTROL

The following third-order triangulation stations were established during field work: CODFISH PT. 2 1952, MYTH 2 1952, AND SCOW 1952. The following stations have been reported lost on Form 526: MYTH 1934, OTTER BAYOU 1869, TRIMMED TREE 1869, CODFISH PT. 1869, and TWIL 1934.

4. VERTICAL CONTROL

The tide staffs at Drum Bay and Bayou la Loutre were used to establish mean sea level datum in this quadrangle. 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. to 8. WOODLAND COVER, SHORELINE AND ALONGSHORE FEATURES, and OFFSHORE FEATURES, respectively:

See Field Inspection Report, Quadrangle T-9659( )

9. LANDMARKS AND AIDS

There are no landmarks in the area. There are no fixed aids to navigation.

10. BOUNDARIES, MONUMENTS, AND LINES

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

11. OTHER CONTROL

No other control was established.
12. OTHER INTERIOR FEATURES

There is one permanent building in the quadrangle which was classified as Class I because of the lack of landmark features.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-89".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

See Field Inspection Report, Quadrangle T-9659

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

Eugene T. Gilby
Cartographic Survey Aid

Approved & Forwarded
17 September 1952

Percy L. Bernstein
Chief of Party
COMPILATION REPORT - T-9668

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655.

31. DELINEATION

The graphic compilation method was used.

The scale of the photographs was reasonably good - photographs 39353, 39354 and 39355 having the best scale.

The field inspection was done using single-lens photographs taken in February 1952. Nine-lens photographs of the area were taken the same year and wherever a difference has occurred, the nine-lens photographs have been given the preference.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

There are no contours. Spot elevations have been shown. The maximum ground elevation is two (2) feet. The drainage is apparent and has been delineated according to photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS.

None.

36. OFFSHORE DETAILS.

None.
37. **LANDMARKS AND AIDS**

None.

38. **CONTROL FOR FUTURE SURVEYS.**

None established.

39. **JUNCTIONS.**

A satisfactory junction has been established with T-9663 on the north; T-9667 on the west; T-9669 on the east; and T-9671 on the south.

40. **HORIZONTAL AND VERTICAL ACCURACY.**

No statement.

41. **SECTION CORNERS.**

None recovered.

46. **COMPARISON WITH EXISTING MAPS**

A comparison was made with U. S. Coast and Geodetic Survey Air Photo Compilation No. T-5409 from photographs flown in November 1932, scale 1:20,000 and U. S. G. S. Quadrangle Map "MORGAN HARBOR, LA.", scale 1:31,680, compiled from aerial photographs and field examined by U. S. G. S. in 1935. No outstanding discrepancies were noted.

47. **COMPARISON WITH NAUTICAL CHARTS.**

A comparison was made with USC&GS Nautical Chart No. 1270, scale 1:80,000, published June 1940 (2nd edition) bearing a print date of 10/18/54.

No outstanding discrepancies were noted.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

[Signature]
Rudolph Dosselt
Carto. Photo. Aid

APPROVED AND FORWARDED

William A. Racine
for Ira R. Rubottom, Chief of Party
48. **GEOGRAPHIC NAME LIST.**

- BAYOU JULIA
- BAYOU LA LOITRE
- BRETON SOUND
- CHANDELEUR SOUND
- CHRISTMAS CAMP LAKE
- CHICOT PASS
- CODFISH POINT
- COMPORT ISLAND
- DRY BREAD ISLAND
- BLOI BAY
- LOUISIANA
- MARTINBOY BAYOU
- MORGAN HARBOR
- MORGAN HARBOR PASS
- OTTER BAYOU
- PT. ELIZA
- PT. LYDIA
- PT. PAULINA
- RAWHAD
- SCOW PASS
- SCOW POINT
- SKIFF ISLAND
- SKIFF LAKE
- ST. BERNARD PARISH
- TREASURE BAY
- TREASURE BAY PASS
- TWILIGHT HARBOR
- WHITE LOG LAKE

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*Names approved*

8-15-55

A. J. W.
49. NOTES FOR THE HYDROGRAPHER.

None.
PHOTOGRAMMETRIC OFFICE REVIEW
T. 9668


CONTROL STATIONS

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

ALONGSHORE AREAS
(Nautical Chart Data)

16. Aids to navigation ___ 17. Landmarks ___ 18. Other alongshore physical features ___ 19. Other alongshore cultural features ___

PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines ___ 32. Public land lines ___

MISCELLANEOUS


40. William A. Roque
   William A. Roque
   Supervisor

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

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Manuscripts T-9668, T-9669 supersede all the above surveys in common areas as source material for use in chart construction.

63. Comparison with Maps of Other Agencies

USGS Morgan Harbor 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.

The terrain is completely marsh with no roads and one house. In view of this no Field Edit was needed.

The compilation was compared with USC&GS 1955 "W" camera photography. No changes were made.

Reviewed by:

A. K. Heywood
Approved:

[Signature]
Chief, Review Branch
Photogrammetry Division

[Signature]
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Coastal Surveys Division

21 March 1958