

10756

Original

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. PH-5704	Office No. T-10756
LOCALITY	
State	Alabama
General locality	Mississippi Sound
Locality	Grand Point
1958-1962	
CHIEF OF PARTY	
R. F. Lanier, Chief of Field Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T-10756

Project No. (II): **Ph-5704**      Quadrangle Name (IV):

Field Office (II): **Pascagoula, Mississippi**

Chief of Party: Roger F. Lanier

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): (II) 23 June 1958  
6 Oct. 1959

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): 1:10,000

**Stereoscopic Plotting Instrument Scale (III):**

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

**Publication Scale (IV):**

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): MHW

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): **MURDER 2, 1958**

Lat.:

Long.:

### Plane Coordinates (IV):

State: Alabama

Zone: **West**
$$Y = 123,829.48 \text{ ft.}$$
$$x = 279,769.07 \text{ ft.}$$

~~Adjusted~~  
Unadjusted  
Unadjusted

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.



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **William M. Reynolds**

Date: **Sept. - Oct. 1958**

Planetable contouring by (II):

Date:

Completion Surveys by (II): **James H. Blumer**

Date: **April 1962**

Mean High Water Location (III) (State date and method of location): **Nov. 1957 (date of Photographs).  
Shoreline inspection, Oct. 1958.**

Projection and Grids ruled by (IV): **P. T. Dempsey**

Date: **12/6/58**

Projection and Grids checked by (IV): **R. D. Shoup**

Date: **3/5/59**

Control plotted by (III): **R. R. Wagner**

Date: **5/1/59**

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

Date: **5/1/59**

Radial Plot ~~or Stereoscopic~~

~~Control extended~~ (III):

**H. R. Rudolph**

Date: **3/22/60**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): **J. Honick**

Date: **6/3/60**

Photogrammetric Office Review by (III): **R. Glaser**

Date: **6/10/60**

Manuscript scribed by: **M. S. Cunningham**

Date: **6/17/60**

Elevations on Manuscript  
checked by (II) (III):

Date:



DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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Camera (kind or source) (III): U.S.C. & G. S. nine-lens

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
56677 and 56678	11/9/57	1301	1:10,000	0.2 ft. above MLW
56751 thru 56753	"	1418	"	0.4 " " "

Tide (III)  
From Predicted Tables

Reference Station: Pensacola, Florida  
Subordinate Station: Pascagoula River Entrance  
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
		1.3
		1.6

Washington Office Review by (IV): *Leo F. Beugnot, Atlantic Marine Center* Date: *Dec. 1967*

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 3  
Shoreline (More than 200 meters to opposite shore) (III): 11 mi.  
Shoreline (Less than 200 meters to opposite shore) (III): 9 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 6	Recovered: 1	Identified: 3*
Number of BMs searched for (II): --	Recovered: --	Identified: --

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

- \* One station established.
- One lost station identified.



T-10756

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation	June 1960	
Field Edit	April 1962	
Final Review	December 1967	

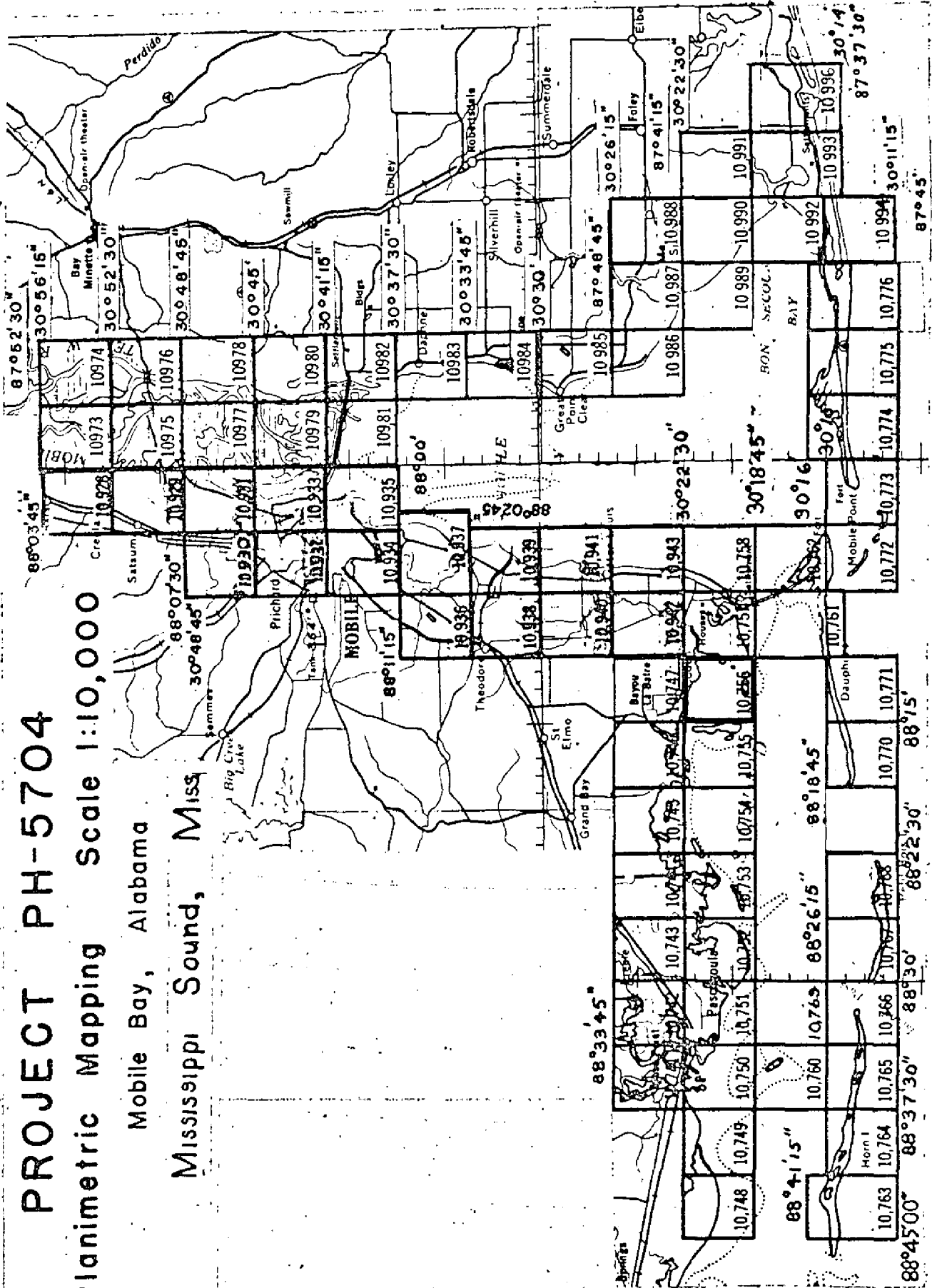


# PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss





SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-10756

Planimetric survey T-10756 is one of seventy-four similar surveys in Project PH-5704. It covers a part of the northern shore of Mississippi Sound in the vicinity of Portersville Bay. The location of the map in the project is shown on page 5 of this report.

Field work preceding compilation consisted of recovery and identification of horizontal control, field and shoreline inspection, and investigation of Geographic Names and Boundaries.

Compilation was at 1:10,000 scale by radial plot methods using the 1:10,000 scale nine-lens photography obtained in November 1957. Cronaflex copies of the map manuscript along with specially prepared photographs and ozalid prints were furnished for preparation of the hydrographers boat sheet, location of hydrographic signals and for field edit purposes.

The manuscript is a vinylite sheet 3 minutes 45 seconds in latitude, by 3 minutes 45 seconds in longitude, which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.



FIELD INSPECTION REPORT  
Maps T-10746, T-10747, T-10755 through T-10758  
Project Ph-5704

2. Areal Field Inspection These maps are located in southwestern Alabama along the northern side of Mississippi Sound and the west side of Mobile Bay. The land area is the mainland along the sound and several offshore islands. The area is sparsely settled except for several small villages, Bayou La Batre, Coden and Heron Bay. Bayou La Batre is the only incorporated village in the area. The principal industries are shrimp fishing and oystering. The shrimp and oyster fleets base out of Bayou La Batre and Coden. The area is accessible by shallow draft boats and an adequate network of hard-surfaced highways.

The offshore islands are un-inhabited and are entirely marsh except for sand or shell fringes along the edges.

Field inspection is believed complete and no items were deliberately left for field edit.

Photography was of fairly recent date and of good quality. The usual tone changes were evident on the photographs, white in sand or shell areas, grey in marsh and open, uncultivated areas and black in the wooded areas. Attention is called to the areas of grass in water and marsh. The difference in tone is indefinite and considerable time was spent walking along the shore in order to indicate the apparent shoreline on the photographs. It is believed the correct line has been indicated. The black tones, in the marsh areas, are covered by much higher grass than the grey tones. The grass along the edges of the marsh also appear to have increased in density since photography. Field inspection notes appear on the following nine-lens photographs, 56586 through 56591, 56662 through 56666, 56668, 56677 through 56680, 56751 through 56755, 56783, 56790, 56792, 56793 and 56860 through 56862.

3. Horizontal Control All Coast and Geodetic Survey control was searched for and where recovered was identified to control the plot.

A small scheme of third-order triangulation was observed. The following stations were established, MARSH, MURDER 2, Miss. Sound, Bayou Coden Channel Leading Light, Miss. Sound, Bayou La Batre Light 2, Miss. Sound, Bayou La Batre Light 6, Miss. Sound Bayou La Batre Range Front Light, Miss. Sound, Bayou La Batre Range Rear Light and Mobile Marine Radio Antenna WLO.



The following third-order traverse stations established by the Alabama Geodetic Survey were recovered and identified, 304-2, 304-9, 304-10, 318-3, 318-6, 318-10, 325-4, 328-2, 334-1 and 334-2.

The following stations are reported lost, C 2 1935, MURDER 1910, NEGRO 1910, Hotel Center Gable 1910, IN 1910, East End First Shack 1910, East End Second Shack 1910, East End Third Shack 1910, Port Chimney 1910, LIT 1910, LIGHT 1910, TREE 1910, Y TREE 1910, BAR 1910, JULES HOUSE SOUTHEAST GABLE 1910, HERON 1910, RAN 1910, EAST CHIMNEY (THREE DECKER) 1910, Bayou La Batre Beacon No. 2 1935, Bayou La Batre Beacon No. 4 1935, 205-5 1940, 301-1 1940, 301-2 1940, 304-1 1940, 304-2 1940, 304-4 1940, 315-2 1940, 318-4 1940, 318-7 1940, 318-8 1940, 318-9 1940, 318-10 1940, 318-12 1940, 328-1 1940, 328-3 1940, 328-4 1940, 328-5 1940, 329-3 1940, 329-4 1940 and 334-1 1940.

The following stations were reported lost but were identified. CAT 1935 and JULIET 1910 reference marks were identified in lieu of the stations. The monuments at stations 304-2 and 334-1 were broken off but were identified. The disk had been removed from 329-2 but the station was identified.

4. Vertical Control Two tidal bench marks were recovered and identified. The marks are Alabama Port, Mobile Bay Bench Mark 1 or X 11 (1918) and Bayou La Batre Tidal BM Z 10 (1918). No other control was searched for.
5. Contours and Drainage Contours are inapplicable. The short streams inland from the shore are self-evident from the photographs.
6. Woodland Cover Adequately covered by the Photographs.
7. Shoreline and Alongshore Features The mean high water line and apparent shoreline was inspected by skiff and walking along the shore. Several different tones were noted as marsh. Some of the difference is due to different heights and density of the grass. The only difficulty was in determining the line between marsh and grass in water. These areas were carefully inspected and correctly indicated on the photographs.

The approximate low water line was indicated around two bars on photographs 56664 and 56677.

There are no bluffs or cliffs.

~~\* See 1959 Form 526, "JULIET" is Destroyed.~~

~~See Photogrammetric Plot Report.~~

All docks, wharves and piers have been indicated on the photographs.

Shoreline inspection notes have been indicated on the following photographs, 56662 through 56664, 56677 through 56679, 56751, 56752, 56754, 56755, 56793, 56860, 56861 and 56862.

8. Offshore Features There are none.

9. Landmarks and Aids There are no landmarks for nautical charts in this area.

There are no aeronautical aids in the area.

Fixed aids to navigation were located by three methods, triangulation or direct photograph identification. The daybeacons along Bayou LaBatre were visible on one photograph. An angle and distance, from a photo point, were observed as a check on their location. The daybeacons along Bayou Coden were located by angle and distance from identifiable photo points.

10. Boundaries, Monuments and Lines The only boundaries affecting these maps are the corporate limits of Bayou La Batre. These will be submitted at a later date.

11. Other Interior Features All roads have been classified on the field inspection photographs.

Buildings were field inspected and have been indicated on the photographs.

Measurement of bridges and cables was not required by the project instructions.

There are no airports or landing fields.

12. Other Control The recovered and established horizontal control filled the requirements for spacing stations.

13. Geographic Names See Special Report Geographic Names Project Ph-5704. The report will be submitted at a later date.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project Ph-5704. The report will be submitted at a later date.



Special Report, Boundaries, Project Ph-5704. The report  
will be submitted at a later date.

Submitted:

*William M. Reynolds*  
William M. Reynolds  
Cartographer

Approved and Forwarded:

*Roger F. Lanier*  
Roger F. Lanier  
Chief of Party

REE/WRD

SCALE FACTOR

1 FT. = 3048006 METER	DATE 30 April 1959	CHECKED BY R. R. Wagner	DATE 30 April 1959	COMM- DC- 57843
COMPUTED BY R. J. Pate				



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PHOTOGRAMMETRIC PLOT REPORT

Project PH-5704

Survey Nos. T-10747, T-10756 and the eastern portion of T-10746.

21. AREA COVERED

This radial plot covers the areas of the surveys listed above. They are planimetric surveys along the north shore of Mississippi Sound between Bayou LaBatre on the west and Barron Point on the east. The area includes Portersville Bay, Fowl River Bay and several small islands.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Mylar sheets with polyconic projections in black and Alabama State Grids, West Zone, in red, were furnished by the Washington Office.

Cronaflex positive copies of the completed manuscripts for Surveys Nos. T-10757 and T-10942 were furnished by the Tampa Office.

The positions of all triangulation stations and substitute points were plotted in the Tampa Office prior to transmitting the manuscripts to this office.

A sketch showing the layout of the surveys, distribution of control and photograph centers is attached to this report.

Photographs:

Twenty-two (22) nine-lens photographs, taken in 1957 at a scale of 1:10,000 were used in the radial plot, numbered as follows:

56587 through 56592

56662 through 56667

56676 through 56680

56751 through 56755

Templets:

Vinylite templets were made using the master templet to correct for film and paper distortion, and chamber displacement.

Closure and Adjustment to Control:

Since there was a scale difference between T-10942 and the other manuscripts all control and pass points established by the Tampa Office were transferred from it to a base sheet. This base sheet, the manuscripts for T-10746, T-10747, T-10755, T-10756, and the cronaflex positive copy of survey T-10757, were all joined together and the radial plot constructed on them. The templets for photographs 56676 through 56680 were laid first and tied in with the previous plots to the east and west. The remaining templets were then laid and adjusted to the first flight and a rigid plot was made. All passpoints established in the Tampa Office and by a previous plot in this office, and all control stations, were held in the plot.

Transfer of Points:

The positions of all pass points and photograph centers were pricked on the top templet and then drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate.

24. SUPPLEMENTAL DATA

Cronaflex positive copies of manuscripts for surveys T-10757 and T-10942 were used to take advantage of passpoints established by the Tampa Office

25. PHOTOGRAPHY

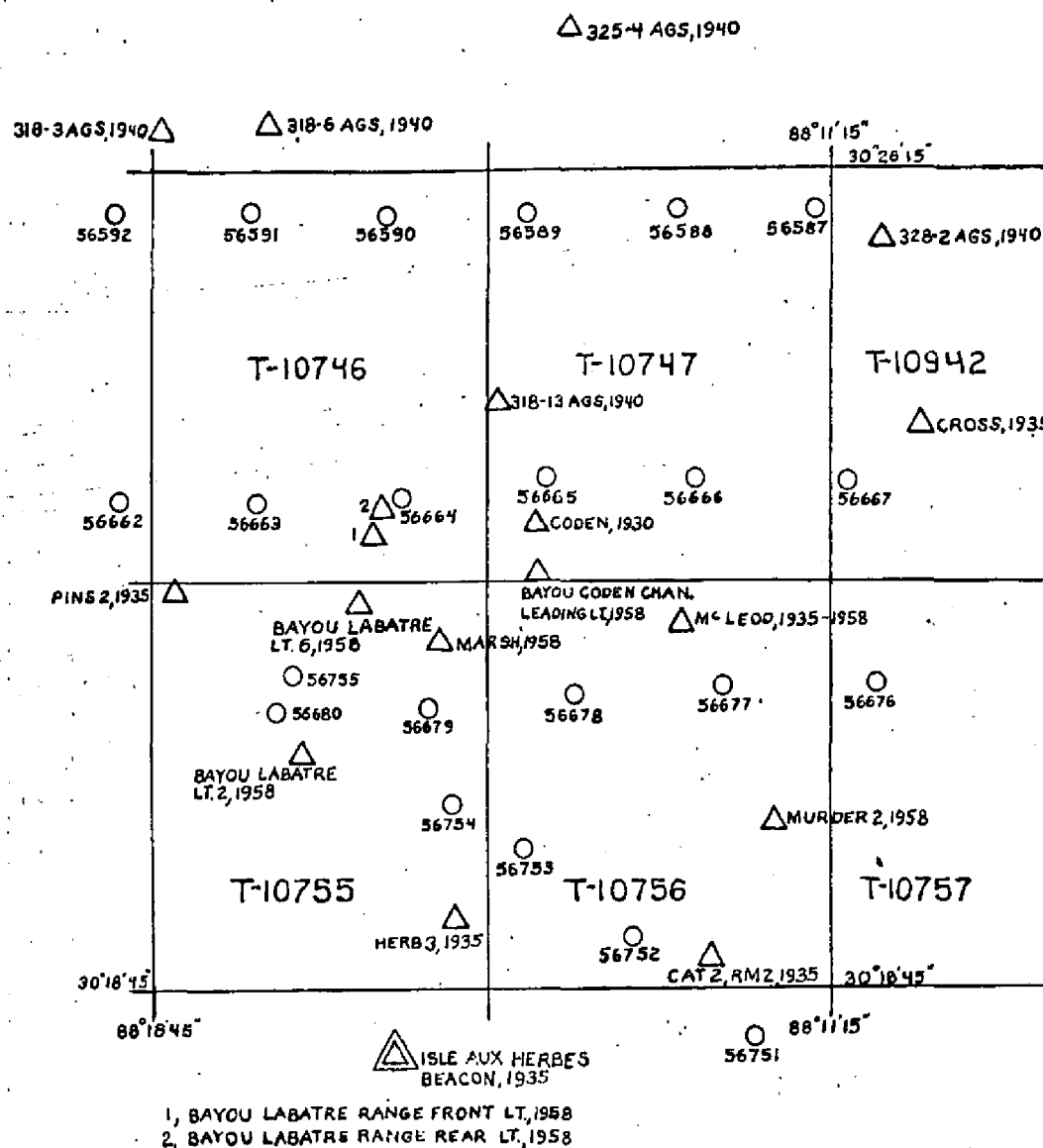
Some of the photographs in this plot were warped creating an uneven surface. This made it difficult to adjust the templets to the photographs.

Respectfully submitted  
22 March 1960

*Harry R. Rudolph*  
Harry R. Rudolph  
Carto. (Photo.)



-73-14



## LAYOUT SKETCH

PROJECT PH-5704

SURVEYS T-10746, T-10747 and T-10755

○ Nine lens office photographs

$\triangle$  Control station identified

$\triangle$  Control station office identified

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COMPILATION REPORT  
T-10756

Refer to Descriptive Report T-10746 -- T-10747 for the field inspection report and the photogrammetric plot report covering this survey.

31. DELINEATION

Delineation was by the graphic method.

32. CONTROL

The identification, density and placement of horizontal control was satisfactory.

33. SUPPLEMENTAL DATA

Annotated copy of U.S.G.S. Cedar Point, Alabama quadrangle used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.  
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate for the satisfactory completion of the manuscript.

No low-water or shoal lines were field inspected and none were shown on the map.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Two Bayou Coden daybeacons and the Bayou Coden entrance light are shown on the manuscript.



38. CONTROL FOR FUTURE SURVEYS

One topo station was established and identified by the field party. No Form 524 was submitted for this station; its description has been included in item 49 as an aid to the hydrographic party.

39. JUNCTIONS

Junctions have been made and are in agreement as follows:

T-10747 to the north.

T-10757 to the east (delineated at Tampa).

T-10755 to the west (all water area).

No contemporary survey to the south (all water area).

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Cedar Point, Alabama quadrangle, scale 1:62,500, edition of 1943.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 874, scale 1:40,000, 2nd edition published 7/2/51, revised 3/23/59.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

13 June 1960

*R. Glaser*

R. Glaser  
Carto. (Photo.)

Approved and Forwarded

*William E. Randall*

William E. Randall

LCDR, USN

Baltimore District Officer

T-10756

49. NOTES FOR THE HYDROGRAPHER

One topo station SIGN, 1958, is shown on the manuscript. No Form 524 was submitted for this station but its description follows:

A Conservation Department sign on pile located in the most north-easterly part of Fowl River Bay near the mouth of Bayou Copeland. Sign is painted white.

48. GEOGRAPHIC NAME LIST

- Alabama
- Barron Point
- Bayou Como
- Bayou Copeland
- Bayou Sullivan
- Cat Island
- Clark Bayou
- Coden
- Fowl River Bay
- Goose Bayou
- Grand Point
- Lady Island
- Marsh Island
- Mobile County
- Mon Louis Island
- Murder Point
- Negro Bayou
- Portersville Bay
- Raccoon Island

Names approved  
June 20, 1968 Wright  
A. St. W. Fickett



~~6-13-60~~, 8

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## PHOTOGRAMMETRIC OFFICE REVIEW

T-10756

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

4a. Classification label ✓

## 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 X 8. Bench marks X 9. Plotting of sextant fixes X 10. Photogrammetric plot report ✓ 11. Detail points ✓

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges X 16. Aids to navigation ✓ 17. Landmarks X 18. Other alongshore physical features ✓ 19. Other along-shore cultural features ✓

## PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours X 23. Stereoscopic instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical features ✓

### CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines X 32. Public land lines X

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒  
40. P. Glaser Quench Steinhilber

40. K. Glaser Reviewer

Supervisor, Review Section or Unit Joseph Steinberg

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: \* Refer to item 61, page 20



U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Field Edit Report  
(Shoreline)  
Quadrangles T-10942, T-10741 thru  
T-10758 & T-10760 thru T-10768  
Project FH-5704

51. Methods

The shoreline was inspected by truck, skiff and walking along the beach. The distance to the MHTL from known points was checked and found to be correct and adequate, except where noted in red on ozalid copies of the manuscripts.

Field edit information has been shown on field edit sheets for T-10741, T-10742, T-10748, T-10749, 10750, T-10765, T-10766 and T-10767.

52. Adequacy of Compilation

The map compilation appears to be complete and adequate.

53. Map Accuracy

The shoreline is accurate, except for changes since photography, as shown on the field edit sheets. However, the Bayou Casotte-Pascagoula area is under extensive development and changes in land marks and shoreline will be many in the next few years. The Pascagoula and Bayou Casotte channels are being redredged at the present time. Since a hydrographic survey of Mississippi Sound is now in progress the hydrographic unit has said that they will delineate the new spoil banks when the dredging is completed.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

No one was contacted to examine a proof copy of the map.

Submitted: 30 April, 1962

*James H. Blumer*  
James H. Blumer  
Sub Unit 721



REVIEW REPORT T-10756  
PLANIMETRIC  
DECEMBER 6, 1967

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

No field edit sheet was received with the final review data for this survey. It is included in the Field Edit Report of April 30, 1962 and it is assumed that there were no field edit corrections.

There were no field or office photographs available at the time of final review.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

There were no previous registered topographic surveys available for comparison purposes at the time of final review.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with U.S.G.S. HERON BAY, ALA., 1:24,000 scale  $7\frac{1}{2}$  minute quadrangle, edition of 1958. The two surveys are in good general agreement. The differences in the position of the shoreline between the two surveys has been indicated on the Comparison Print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of smooth sheets H-8643 ECFP 10-11-61 and H-8644 ECFP 10-12-61. The shoreline for these surveys was taken from a copy of the manuscript and there are no differences.

Lady Island at latitude  $30^{\circ} 19.7'$ , longitude  $88^{\circ} 12.5'$  is shown on H-8643 as being an oyster bar with a least depth of  $\frac{1}{2}$  foot. It is shown on this survey, the U.S.G.S. quadrangle and on Chart 874-SC as a small island. It is possible that it eroded away between the time of field inspection and hydrography. \* See below

The piling located at latitude  $30^{\circ} 21.5'$ , longitude  $88^{\circ} 12.6'$  could not be verified by the final reviewer because of the lack of photograph coverage. They also appear on Chart 874-SC.

\* THIS MAP WAS FIELD EDITED IN 1962; HOWEVER, NO FIELD EDIT SHEET WAS SUBMITTED FOR T-10756, AND NO REFERENCE WAS MADE TO "LADY ISLAND" IN THE FIELD EDIT REPORT.

*S. Blankenship*

OCT. 1958 - DATE OF FIELD INSPECTION  
10/11/61 - DATE OF HYDRO SURVEY



65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 874-SC, 2nd Edition, corrected thru NM 46-Nov. 12, 1966. The differences in the two surveys has been shown on the Comparison Print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Reviewed by:

Leo F. Beugnet  
Leo F. Beugnet

Approved by:

For P. A. Stark  
J. Bull, RADM, USESSA  
Director, Atlantic Marine Center

Approved by:

Charles A. Leman  
Chief, Photogrammetric Branch *phb*

R. H. Houtwater  
Chief, Photogrammetry Division

John C. Brown  
Chief, ~~Nautical~~ Chart Division  
*Marine*



## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**Baltimore, Maryland**

10 June 1960

I recommend that the following objects which have ~~(been inspected)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts)~~ the charts indicated.

The positions given have been checked after listing by **R. Olaver** on ~~(date)~~ the charts indicated.

**William L. Randall**  
*Chief of Party.*

[illegible]

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. Revisions shall show both the old and new positions. 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<sup>16</sup> SECONDS AND METERS**