# DESCRIPTIVE REPORT

**Type of Survey**: Planimetric

**Field No.**

**Office No.**: T-10747

## LOCALITY

**State**: Alabama

**General locality**: Mississippi Sound

**Locality**: Coden

## 1959—1962

### CHIEF OF PARTY

Roger F. Lanier, Chief of Party

W. E. Randall, Baltimore District Office

### LIBRARY & ARCHIVES

**DATE**
PROJECT NO. (III):
PH-5704

FIELD OFFICE (III):
Pascagoula, Mississippi

CHIEF OF PARTY
Roger F. Lander

PHOTOGRAMMETRIC OFFICE (III):
Baltimore, Maryland

OFFICER-IN-CHARGE
William E. Randall

INSTRUCTIONS DATED (III) (III):
II: 23 June 1958
III: 7 April 1959
III: 6 October 1959 (supplement)

METHOD OF COMPILATION (III):
Graphic

MANUSCRIPT SCALE (III):
1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

DATE RECEIVED IN WASHINGTON OFFICE (IV):
April 15, 1968

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):
N.A.

VIRTUAL DATUM (III):

REFERENCE STATION (III):
CODEN, 1930

LAT.:
30° 23' 01.579"

LONG.:
88° 14' 26.116"

X ADJUSTED

UNADJUSTED

Y = 1,403,326.59

STATE
Alabama

ZONEN
West

Y = 266,477.84

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.
## DESCRIPTIVE REPORT - DATA RECORD

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<th>Description</th>
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<td>REMARKS:</td>
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<td>Field Ed. - 1962 (refer to item 67, Page 22).</td>
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## Descriptive Report - Data Record

### Nine-lens and "L" Camera

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### Tides

#### Reference Station:
- Pensacola, Florida

#### Subordinate Station:
- Pascagoula River Entrance, Mississippi

### Washington Office Review by:
- Leo F. Beugnet, Atlantic Marine Center

**Date:** October 1967

### Number of Triangulation Stations Searched for

- Recovered: 10
- Identified: 2

### Number of BM(s) Searched for

- Recovered: 1
- Identified: 1

### Number of Recoverable Photo Stations Established

- None

### Number of Temporary Photo Hydro Stations Established

- None

### Remarks:

* Two stations were established. One station identified outside of map limits.
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<th>Compilation Record</th>
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<th>Remarks</th>
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<td>Final Review</td>
<td>October 1967</td>
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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-107747

Planimetric survey T-107747 is one of forty-seven similar surveys in Project PH-5704. It covers a small part of Portersville Bay, Bayou Coden and the upper reaches of Bayou La Batre.

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 9-lens photography obtained in November 1957. A cronaflex copy of the manuscript along with a blueline tracing specially prepared photographs and ozalids were furnished for preparation of the hydrographers boatsheet, location of signals and 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.
2. Arcal 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 Horsen Bay. Bayou La Batre is the only incorporated village in the area. The principal industries are shrimp fishing and oyster culting. 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 uninhabited 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; 56667, 5667 through 56680, 5671 through 56755, 56783, 56790, 56792, 56793 and 56860 through 56862.

3. Horizontal Control All Coast and Geodetic Survey control was searched for and wherever 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 Caden 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, 313-3, 318-6, 318-13, 325-4, 326-2, 334-1 and 334-2.

The following stations were reported lost: CAT 2 1935, MURDER 1910, NOBRO 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 191034 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 Fort, Mobile Bay Bench Mark I or X 11 (1918) and Bayou La Batre Tidal BM 2 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" 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, 55793, 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 La Batre 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
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<th>STATION</th>
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1 FT. = 304.8006 METER

COMPUTED BY: R. R. Wagner  DATE: 15 April 1959  CHECKED BY: R. J. Pate  DATE: 15 April 1959
PHOTOMETRIC 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-10912 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:
56581 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-10912 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-10756, 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-10912 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
Carto. (Photo.)
LAYOUT SKETCH
PROJECT PH-5704
SURVEYS T-10746, T-10747 and T-10755

○ Nine lens office photographs
△ Control station identified
▴ Control station office identified
The photometric plot report covering the west portion of T-10746 is a part of Descriptive Report T-10744-45. The plot report covering T-10747 and the east portion of T-10746 is a part of this descriptive report.

31. **DECLINATION**

These manuscripts were compiled by graphic methods.

32. **CONTROL**

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

33. **SUPPLEMENTAL DATA**

Names were taken from Special Report Geographic Names, Project Ph-5704.

Data for corporate limits of Bayou La Batre were supplied by Special Report Boundaries, Project Ph-5704. (See item 41)

34. **CONTOURS AND DRAINAGE**

Contours: Not applicable.
Drainage: No comment.

35. **SHORELINE AND ALONGSHORE DETAILS**

The shoreline inspection was adequate.

Low-water lines were based on classification data furnished by the field party. The actual lines were by office interpretation of the photographs.

36. **OFFSHORE DETAILS**

No comment.

37. **LANDMARKS AND AIDS**

No landmarks were recommended for these manuscripts.

Forms 567 with final positions for the following aids are herewith submitted.

Nine (9) daybeacons in Bayou La Batre  
Two (2) lights in Bayou La Batre  
Ten (10) daybeacons in Bayou Coden  
Two (2) lights in Bayou Coden

The daybeacons in Bayou Coden were plotted by angle (Transit) and distance from identified objects.
The daybeacons in Bayou La Batre were identified on the photographs and radially plotted; angles and distances were also furnished for these aids as a position check.

38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

The junction between the subject surveys is in agreement. Juncions are also in agreement with the following surveys:

- T-10745 to the west.
- T-10755 and T-10756 to the south.
- T-10912 to the east (compiled at Tampa).
- No contemporary surveys to the north.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41. **BOUNDARIES**

The corporate limits of Bayou LaBatre is not monumented or marked but the legal description is a part of Special Report on Boundaries, Ph-5704.

This description was used to lay out the boundary on hypothetical sections within T.75N, R. 3W, drawn to the scale of the manuscript. Then, using the A.M.S. Grand Bay, Alabama quadrangle and the U.S.G.S. Cedar Point, Alabama quadrangle as a guide to locate detail on the manuscript coinciding with section lines, and holding to these lines, the boundary was traced onto the manuscripts.

42. thru 45.

Not needed.

46. **COMPARISON WITH EXISTING MAPS**

A.M.S. Grand Bay quadrangle, scale 1:50,000 published April 1955.

COMPARISON WITH NAUTICA CHARTS

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

Items to be applied to existing charts immediately: None.
Items to be carried for: None.

Respectfully submitted

26 June

R. Glaser
Carto.

Approved and forwarded

[Signature]

William E. Rand
LCDR, C&GS
Baltimore District

Nicer
48. GEOROGRAPHIC NAME LIST

- Alabama
- Alabama 39
- Alabama 188
- Alba High and Elementary School
- Bayou Coden
- Bayou Como
- Bayou La Batre
- Bayou La Batre (town)
- Carls Creek
- Coden
- Coden Bible Church
- First Evangelical Church
- Grand Bay Swamp
- Mobile County
- New Hope Church
- Odd Fellows Cemetery
- Portersville Bay
- St. Margarets School and Church
- St. Michaels Church
- Sweet Bethel Church

Names approved June 1968

Wright

Frank W. Fortier
PHOTOGRAMMETRIC OFFICE REVIEW
T-10746, T-10747

1. Projection and grids
2. Title
3. Manuscript numbers
4. Manuscript size
5. Classification label

CONTROL STATIONS
6. Horizontal control stations of third-order or higher accuracy
7. Recoverable horizontal stations of less
8. Than third-order accuracy (topographic stations)
9. Photo hydro stations
10. Photogrammetric plot report
11. Detail points

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low-water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids
to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Planetary contours
23. Stereoscopic
24. Instrument contours
25. Contours in general
26. Spot elevations
27. Water features

CULTURAL FEATURES
28. Roads
29. Buildings
30. Railroads
31. Boundary lines
32. Public land lines
33. Geographic names
34. Junctions
35. Legibility of the manuscript
36. Discrepancy
37. Overlay
38. Descriptive Report
39. Field inspection photographs
40. Forms

Reviewer
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:
* Refer to item 67, page 22
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Field Edit Report
(Shorline)
Quadrangles T-10742, T-10743 thru T-10751 thru T-10758 & T-10760 thru T-10768
Project HM-5704

51. **Methods**
The shoreline was inspected by truck, skiff and walking along the beach. The distance to the SHFL 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-10743, T-10744, T-10745, T-10746, T-10747, T-10748, T-10749, T-10750, T-10751, T-10752, T-10753, T-10754, T-10755, T-10756, T-10757, T-10758 & T-10760 & T-10761.

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
Sub Unit 721
61. GENERAL STATEMENT

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

There were no Registered Topographic Surveys available at the time of Final Review.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with a copy of USGS CODEN, ALABAMA 7 1/2 minutes, 1:24,000 scale quadrangle, edition of 1956. The two surveys are in good agreement except along the shoreline of Bayou Coden where some changes in the shoreline have taken place. This has been shown on the comparison print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHY SURVEYS

Comparison was made with a copy of smooth sheet H-6644, ECPP 10-12-61. The shoreline of the boatsheet and manuscript are in good agreement.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 874-SC, 2nd Edition, corrected thru NM 46-Nov. 12, 1966. No discrepancies between the two surveys were noted during Final Review.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

67. The field and office photographs for this survey had been misplaced prior to Final Review.

No field edit sheet for this survey was forwarded by the field editor. It is included in the Field Edit Report of 30 April 1962 as having been Field Edited.
Reviewed by:

Leo F. Beugnet

Approved by:

For Mr. Stark
J. Bull, RADM
Director, Atlantic Marine Center

Approved by:

Charles S. Harper
Chief, Photogrammetric Branch

R. M. Van Etten
Chief, Photogrammetry Division

Chief, Nautical Chart Division
The geographic names SANDY BAY, and SAN SOUCI BEACH, which appear on Chart 874 (revised 3/23/59) do not appear on the A.M.S. Grand Bay quadrangle (dated 1955) or in the special names report for this project. In addition a note, SAN SUSIE CHURCH, was shown on field photograph 56665.

These apparent omissions and discrepancy prompted this office to make inquiries concerning these names of the Postmaster in nearby Bayou La Batre. Copies of the correspondence are attached to this report. As a result, the names SANDY BAY and SAN SOUCI BEACH were included on T-10746 and the church name spelling was corrected.

An extra copy of the name SANDY BAY is being forwarded for use on T-10745 which was previously submitted.

Tree and swamp lines on T-10747 were revamped and adjusted along the junction with T-10942 (compiled at Tampa) in order to match these details in a number of places. Neither the Baltimore office interpretation nor the field inspection (see F.I. photographs 56587 and 56666) agreed with the Tampa delineation.

Field Inspection photographs 56587 and 56666 were not available at the time of Final Review for investigation of the tree and swamps limits along the junction with T-10942.
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 R. Glaser

<table>
<thead>
<tr>
<th>STATE</th>
<th>ALABAMA</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDES</th>
<th>LONGITUDES</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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This form shall be prepared in accordance with Hydrographic Manual pages 800 to 804. Positions of charted landmarks and non-floating 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 SECONDS AND METERS

USCGOOG MD 27120