

10752

Original

25201

10752

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-5704	Office No. T-10752
LOCALITY	
State	Mississippi
General locality	Mississippi Sound
Locality	Bangs Lake
1958-1962	
CHIEF OF PARTY	
William M. Reynolds, Acting Ch. of Field Pty.	
William E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

CGMM-DC 61300

DESCRIPTIVE REPORT - DATA RECORD

T- 10752

Project No. (II): **Ph-5704**

Quadrangle Name (IV):

Field Office (II): **Pascagoula, Miss.**

Chief of Party: **W. M. Reynolds**

Photogrammetric Office (III):

Officer-in-Charge: **William E. Randall**

Instructions dated (II) (III): **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):

Final - April 15, 1968

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): **BANG 1935**

Lat.: **30° 21' 25.873"**

Long.: **88° 26' 40.549"**

Adjusted

~~coordinates~~

Plane Coordinates (IV):

State: **Miss**

Zone: **E**

Y= **251,325.81**

X= **622,611.59**

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): **M. A. Stewart**

Date: **Feb. 1959**

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. 9, 1957, (date of photography). Field inspection February 1959.**

Projection and Grids ruled by (IV):

P. J. Dempsey

Date: **10/27/58**

Projection and Grids checked by (IV):

R. D. Shoup

Date: **3/5/59**

Control plotted by (III):

R. J. Pate

Date: **4/28/59**

Control checked by (III):

R. R. Wagner

Date: **4/28/59**

Radial Plot ~~in Stereoscopic~~

~~Control extension~~ by (III):

H. R. Rudolph

Date: **12/22/59**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III):

Bernice Wilson

Date: **4/11/60**

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

Date: **4/20/60**

Manuscript scribed by: **C. M. Prietz**

Date: **5/17/60**

Elevations on Manuscript

checked by (II) (III):

Date:

* Refer to item 61 page 19

3

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **USCGS Nine-lens and "L" cameras**

Number	Date	Time	Scale	Stage of Tide
56686 - 56687	11/9/57	1307	1:10,000	0.2 ft. above MLW
L 2393 thru L 2397	"	"	"	0.2 " " "
56705 thru 56707	"	1332	"	0.3 " " "
L 2432 thru L 2436	"	"	"	0.3 " " "

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. Beagnet, Atlantic Marine Center*

Date: *Nov. 1967*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **10**

Shoreline (More than 200 meters to opposite shore) (III):

12 mi.

Shoreline (Less than 200 meters to opposite shore) (III):

15 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **3**

Recovered: **1**

Identified: **1**

Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **2**

Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

4

TW10752

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10752

Planimetric survey T-10752 is one of seventy-four similar surveys in Project PH-5704. It covers part of the northern shore of Mississippi Sound in the vicinity of Pt. Aux Chenes and Pt. Aux Chenes Bay.

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^{reduced} 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.

7

FIELD INSPECTION REPORT
PROJECT PH-5704
QUADRANGLES T-10742 - T-10743
T-10751 ~~and~~ T-10752 and
T-10769

2. Areal Field Inspection These maps are located along the Mississippi Coast East and North of the mouth of Pascagoula River. The land area includes the towns of Pascagoula, Moss Point and Kreole. Pascagoula is the home of Ingalls Shipbuilding Corp., which is the largest shipyard on the gulf coast. The yard has ten ways and builds ships with a capacity of 35,000 tons. Two tankers were launched during work on the project with the above capacity. The yard is also constructing two nuclear powered submarines for the U. S. Navy. The above shipyard furnishes employment for the majority of the population. The International Paper Co. also has a major plant located in map T-10742. This also furnishes employment for a goodly number of the people. An industrial area is being developed along Bayou Casotte. At present two chemical plants are in operation and Continental Can Co. has started construction on a plant. Sizable Commercial fishing fleets also operate from Pascagoula. A small amount of farming is carried on in the rural areas.

The area is served by the Louisville and Nashville Railroad and a network of good highways.

Field Inspection has been indicated on the following 9 lens photographs, 56565, 56597 through 56601, 56652 through 56657, 56689, 56690, 56706, 56707 and 59089 through 59092.

Photography was of good quality and no difficulty was encountered in their interpretation in the field. New photographs were furnished the field party for the area around Bayou Casotte. The photographs were flown in October 1958 and all development to this date is shown on these photographs. These photographs show several spoil areas south of the present project limits. The mean high water line was indicated around these areas although they are outside the present limits.

Field inspection is believed complete except for the shoreline in the southwest corner of map T-10742. At the time of field inspection, a dredge was pumping fill in this area. This shoreline will undoubtedly be changed when the dredging is completed. This area has been indicated on photograph 56652.

3. Horizontal Control All Coast and Geodetic Survey Control was searched for. The requirements for the plot, as indicated on the

project index were not completely met. In the group of stations FORD, BRIDGE, JONES, ELDER and CRANE, two stations were indicated to be identified. None of the stations were recovered. The same is true for the stations Pascagoula, Municipal Pier Flagpole and GREENE. It is believed that the stations established by this party and the Interstate Highways Survey Party will compensate for the areas where the control was not recovered.

A scheme of third-order triangulation was observed by the field party. Two stations were located within the project and four south of the project. These stations are; Pascagoula, South Municipal Tank, Bayou Casotte, H. K. Porter Co. Tank, Miss. Sound, Pascagoula Channel Range A Front and Rear Lights, Miss. Sound, Pascagoula Channel Range B Front and Rear Lights. Seven stations were located by the Interstate Highways Survey Party. All of these stations are within the area of these maps.

The following stations were reported lost, DUFFEY 1921, JONES 1921, BRIDGE 1921, FORD 1921, ELDER 1921, FLECHAR 1921, CRANE 1921, BIYOU 1921, GREENE 1921, CONVICT 1921, CROKER 1921, CRICKETT 1921, Pascagoula, Municipal Pier Flagpole 1935, CHURCH 1921, ROURE 1921, WATTS 1921, Pascagoula Municipal Standpipe 1930, Scranton Powerhouse Stack 1910, GREEN 1910, Pascagoula 1910, Pascagoula River, Entrance Beacon A 1935, LOST 1910 and Browns Shack West Gable 1910.

Station DUFFEY 1921 was reported lost but was identified. The reference measurements check a broken monument found in the described area. This monument was identified as the station.

4. Vertical Control Recovery of vertical control was not required by the project instructions.

5. Contours and Drainage Contours are inapplicable.

Drainage not self-evident from the photographs has been indicated.

6. Woodland Cover Woodland cover was inspected and has been labeled on the photographs.

7. Shoreline and Alongshore Features The mean high water line is both apparent and fast. The entire shoreline was inspected by skiff or walking and has been indicated by symbol on the photographs.

The low water line was not inspected or determined.

There is little or no foreshore in the area.

There are no bluffs or cliffs.

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

Shore ends of submarine cables have been indicated on the photographs.

Shoreline inspection notes have been indicated on the following 9 lens photographs, 56652, 56653, 56598 through 56601, 56689, 56690, 56706, 56707, 59089 through 59092.

8. Offshore Features Several sunken barges, in the Escatawpa River, and one sunken boat, in the Pascagoula River, were visited. Their elevation above MHW was determined and their location indicated on the photographs.

9. Landmarks and Aids All landmarks and fixed aids to navigation are adequately covered by Form 57.

One aeronautical aid, Jackson County Airport Beacon, located in map T-10743 was identified for location by the plot.

10. Boundaries, Monuments and Lines See Special Report, Boundaries, Project Ph-5704, Alabama - Mississippi. The above report is submitted with this data.

11. Other Control Two Recoverable Topographic Stations were established in map T-10752. These stations are MUCK 1958 and RUTH 1958.

12. Other Interior Features All roads, except those within city limits have been classified on the photographs.

All buildings were field inspected and landmark buildings have been indicated on the photographs.

Vertical and horizontal clearances were determined for five bridges and one cable crossing as per project instructions. Three of the bridges and the cable crossing are within this area. Two of the bridges are several miles west of the project.

<u>Bridge Location</u>	<u>Type</u>	<u>Horizontal</u>	<u>Vertical</u>	<u>Map</u>
Biloxi Bay, R.R.	S	88 ft	4 ft	West of project
Biloxi Bay, Hwy.	S	119 ft	14 ft	West of project
West Pascagoula River, Hwy.	F	92 ft	14 ft	T-10741
Escatawpa River, Hwy.	S	84 ft	9 ft	T-10742
Escatawpa River, R.R.	S	76 ft	7 ft	T-10742
Overhead Cable Escatawpa River			92 ft	T-10742
Overhead Cable Escatawpa River			97 ft	T-10742
Pascagoula River	B	140 ft	30 ft	T-10751

The shore ends of the cables have been indicated on photo 56599.

The overhead cable just west of the highway bridge, Escatawpa River, has been changed to a submarine cable.

Jackson County Airport is located in map T-10743 and T-10752. There are no commercial flights from the airport.

13. Geographic Names See Special Report, Geographic Names, Project PH-5704, Alabama - Mississippi. This report was submitted to Washington Office 1-22-59.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project Ph-5704, Alabama - Mississippi. Submitted to Washington 1-22-59.

Special Report Boundaries, Project Ph-5704, Alabama - Mississippi. Submitted with this data.

Special Report Coast Pilot, Project Ph-5704, Alabama - Mississippi. Submitted with this data.

Two sheets (blueprints) Bayou Casotte Industrial Area.

One sheet (blueprint) The Ingalls Shipbuilding Corp.

Submitted:

William M. Reynolds
William M. Reynolds

SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: R. J. Pate	DATE: 4/13/59	CHECKED BY: R. R. Wagner	DATE: 4/13/59	COMM - DC - 57843
------------------------	--------------------------------	----------------------	---------------------------------	----------------------	-------------------

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-5704
Surveys Nos. T-10743 thru T-10745
T-10752 thru T-10755 and
the western portion of T-10746.

21. AREA COVERED

This radial plot covers the area of the surveys listed above. They are planimetric surveys along the north shore of Mississippi Sound between Bayou Casotte on the west and Bayou LaBatre on the east. The area also includes Pt. Aux Chenes Bay, Grand Bay, the entrance to Bayou LaBatre, and all of Isle Aux Herbes.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Mylar sheets with polyconic projections in black, Mississippi State Grid, East Zone, in red; Alabama State Grid, West Zone, in red or green were furnished by the Washington Office.

All triangulation and substitute points were plotted in the Tampa Office prior to transmitting the manuscripts to this office. Some pass points and photo centers were established by a previous plot on surveys T-10743 and T-10752.

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

Photographs:

Thirty-five (35) nine-lens photographs, taken in 1957 at a scale of 1:10,000 were used in the radial plot, numbered as follows:

56590	through	56599,
56655	"	56664,
56679	"	56688,
56705	"	56707,
56754	and	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:

The radial plot was constructed directly on the map manuscripts. The construction was started at the west end of the area by relaying the templets in the areas of Surveys Nos. T-10743 and T-10752, using the photograph centers and pass points established by the previous plot. The plot was extended eastward to the control just west of the eastern limits of Surveys Nos. T-10746 and T-10755. No information had been received relative to the control beyond the limits of those surveys.

Sketch - Refer to Descriptive Report T-10744.

The templets for the middle flight were laid first followed by the northern flight. After adjusting the templets and by-passing one Control Station, namely 318 (AGS) 1940, a rigid plot was made. The southern flight and the two diagonal flights were then added without further difficulty.

Transfer of Points

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

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate for all surveys, except the northeast portion of Survey T-10746, which was not completed in this radial plot.

The following control station could not be held in the plot: 318 (AGS) 1940 - The radially plotted position of the substitute station falls approximately 0.5 mm. WSW of the plotted position. The point identified was a small bush. There is another small bush approximately 0.5 mm. ENE of the one identified. Since there is another control station nearby which was held in the plot, it is possible that the wrong bush was identified.

24. SUPPLEMENTAL DATA

None.

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
21 December 1959

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

14
- 9 -

COMPILATION REPORT
T-10752

The photogrammetric plot report is a part of Descriptive Report
T-10744 ~~-- 45.~~ ^{this} Sketch included with T-10744.

~~Refer to Descriptive Report T-10751 for the field inspection report.~~

31. DELINEATION

The manuscript was delineated by the graphic method.

32. CONTROL

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

33. SUPPLEMENTAL DATA

1. Final Names Sheet on A.M.S. Grand Bay, Alabama-Mississippi quadrangle, edition of April 1955.

2. Special report on Geographic Names, Ph-5704.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The low-water line (offshore limits of mud) was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for two recoverable topographic stations have been prepared and are submitted with this report.

These stations are listed in item 49.

39. JUNCTIONS

Junctions have been made and are in agreement with:

T-10743 to the north,
T-10751 to the west,
T-10753 to the east,
All-water area to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45. Not needed.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Grand Bay, Ala.; Miss. quadrangle, scale 1:50,000, first edition, first printing April 1955.

Land fill, construction of roads, canals, a railroad and an airport have made important changes along the west portion of this survey.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 874, scale 1:40,000, published 7/2/51, revised 3/23/59.
Chart 414, scale 1:20,000, published 2/22/60.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

William E. Randall

William E. Randall
LCDR, O&GS
Baltimore District Officer

Respectfully submitted
20 April 1960

R. Glaser

R. Glaser
Carto. (Photo.)

T-10752

48. GEOGRAPHIC NAME LIST

- Bangs Bayou *J.W.F.*
- Bayou Casotte
- Bangs Island *J.W.F.*
- Bangs Lake *J.W.F.*
- Bayou Cumbest
- Bayou Rosa
- Brown Bayou

- Jackson County
- * - Jackson County Airport

- * - Louisville and Nashville (RR)

- Mississippi
- Mississippi Sound

- North Bayou

- Priest Bayou
- Pt. Aux Chenes
- Pt. Aux Chenes Bay

- The Prairie

* Name from field inspection

*Names approved
June 19, 1968
Frank W. Fickett*

49. NOTES FOR THE HYDROGRAPHER

The following are the recoverable topographic stations shown on the manuscript:

MUCK, 1959
RUTH, 1959

There are no photo-hydro stations.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10752

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

CONTROL STATIONS

4a. Classification label ☒

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 ☒ 9. Plotting of sextant fixes ☒ 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 along-shore cultural features ☒

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

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

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.

X

Compiler

Supervisor

43. Remarks: * Refer to page 19 (item 61)

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 PH-5704

51. Methods

The shoreline was inspected by truck, skiff and walking along the beach. The distance to the MHWL 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-10752
PLANIMETRIC
NOVEMBER 21, 1967

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

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

The following photographs were examined at the time of final review:

57L 2393 thru 2397

57L 2431 thru 2436

No other photographs were available.

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 USGS GRAND BAY SW, MISS.-ALA. 1:24,000 scale quadrangle, edition of 1958. The two surveys are in good general agreement. The comparison has been indicated on the Comparison Print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of smooth sheet H-8645, ECFP-20-2-61. The shoreline for the boat sheet was taken from a cronaflex copy of the manuscript and there are no discrepancies.

The piling located at latitude $30^{\circ} 19' 40''$, longitude $88^{\circ} 27' 12''$ on the smooth sheet are not visible on the photographs of the area.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with 1:40,000 scale chart 874-SC, 2nd edition, corrected thru NM 46-Nov. 12, 1966. The shoreline of the chart and manuscript are not in perfect agreement, the chart having evidently been revised from later photography than that used in compilation of the manuscript. The comparison of 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:

J. Bull
J. Bull, RADM, Director
Atlantic Marine Center

Approved by:

Charles Hansen
Chief, Photogrammetric Branch *JHB*

R. H. Houten
Chief, Photogrammetry Div.

John C. Boyer
Chief, Nautical Chart Division
Marine