

10760

Original

10760

10760

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. PH-5704	Office No. T-10760
LOCALITY	
State	Mississippi
General locality	Mississippi Sound
Locality	Round Island
1958 ⁷ - 1962	
CHIEF OF PARTY	
Roger F. Lanier, Chief of Party	
William F. Deane, Balto. District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10760

Project No. (II): Ph-5704

Quadrangle Name (IV):

Field Office (II): Pascagoula, Mississippi

Chief of Party: Roger F. Lanier

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Wm. F. Deane

Instructions dated (II) (III): 23 June 1958
6 October 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): 1-29-60 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): ROUND ISLAND LIGHTHOUSE, 1910

Lat.: 30° 17' 30.240" (931.2 m) Long.: 88° 35' 11.743" (313.8)

Adjusted

~~coordinates~~

Plane Coordinates (IV):

State: Mississippi Zone: East

Y= 227,394.85

X= 577,874.71

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): **R. F. Lanier**

Date: **Dec. 1958**

Planetable contouring by (II):

Date:

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

Date: **April 1962**

Mean High Water Location (III) (State date and method of location):

1958 field inspection on photographs dated November 9, 1957

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

Date: **1/3/59**

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

Date: **3/5/59**

Control plotted by (III): **I. I. Sapperstein**

Date: **5/4/59**

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

Date: **5/4/59**

Radial Plot ~~not stereoscopic~~

Date: **10/22/59**

~~Control checked by (III):~~ **H. R. Rudolph**

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): **R. M. Whitson**

Date: **10/26/59**

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

Date: **11/5/59**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens camera.**
C&GS Single lens 'L' camera (infra-red).

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56701 thru 56703	11/9/57	1322	1:10,000	0.3' above MLW
57-L-2425 thru 2427	"	1322	"	" " "

Tide (III)
From Predicted Tables

Reference Station: **Pensacola, Florida**
Subordinate Station: **Horn Island Pass**
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Range Range
-	-	1.3
-	-	1.7

Washington Office Review by (IV): *Leo F. Beugnot, Atlantic Marine Center* Date: *Jan. 1968*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **0.2 mi.**

Shoreline (More than 200 meters to opposite shore) (III): **2.1 mi**

Shoreline (Less than 200 meters to opposite shore) (III): **none**

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

2

Recovered:

1

Identified:

3

Number of BMs searched for (II):

0

Recovered:

0

Identified:

0

Number of Recoverable Photo Stations established (III): **None**

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

Remarks: **Two stations established.**

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T-10760

COMPILATION RECORD

COMPLETION DATE

REMARKS

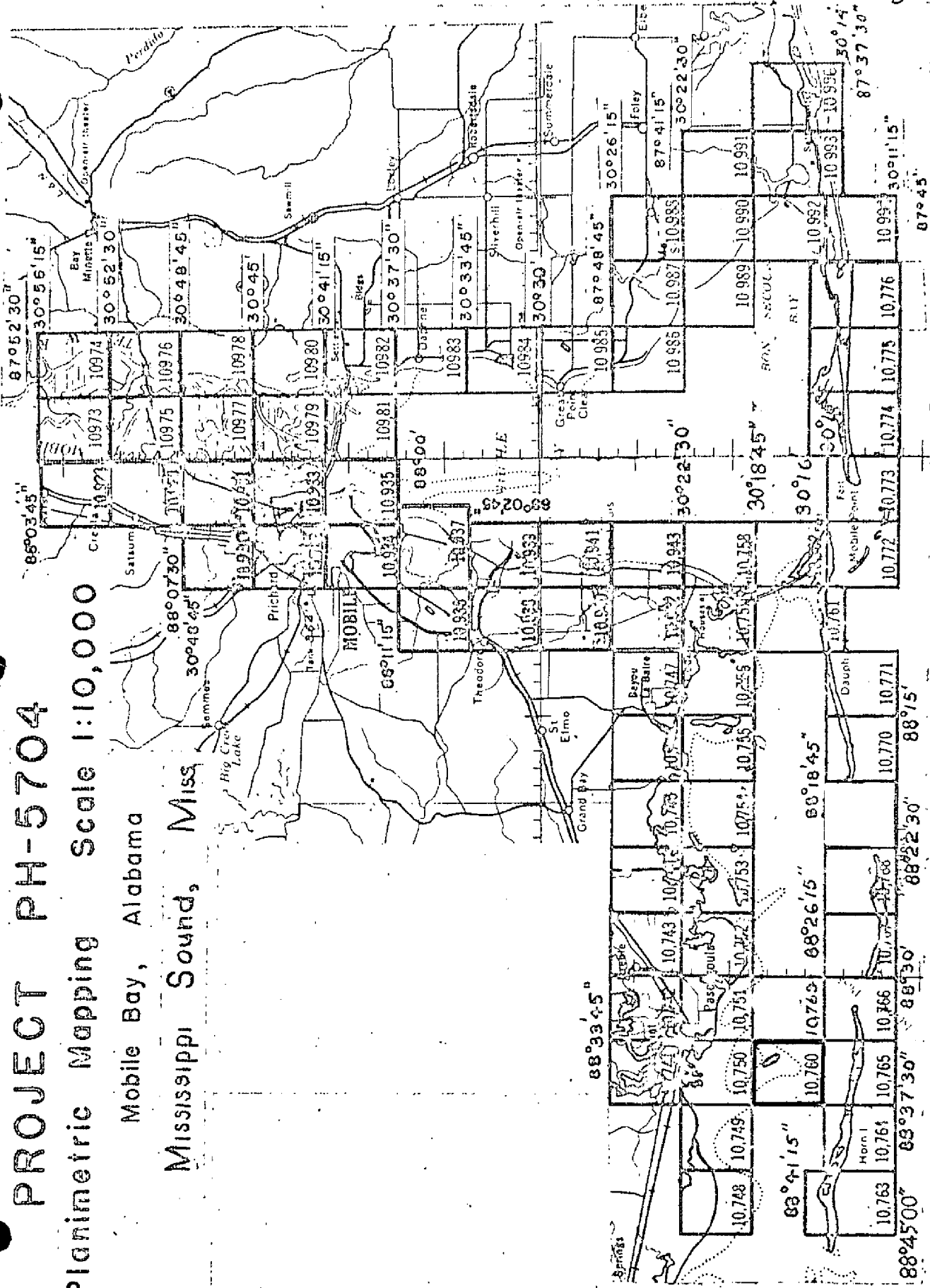
Compiled	October 1959	
Field Edit	April 1962	
Final Review	January 1968	

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10760

Planimetric Survey T-10760 is one of seventy-four similar surveys in project PH-5704. The only land area in this survey is Round Island which is located in Mississippi Sound about $3\frac{1}{2}$ miles southwest of the town of Pascagoula.

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

Compilation was at 1:10,000 scale by graphic methods using the 9-lens photography of November 1957. Cronaflex copies of the map manuscript along with specially prepared photographs and ozalids prints were furnished for preparation of the hydrographers boatsheet, location of photo-hydro signals and for field edit use.

The manuscript is a vinylite sheet $3\frac{3}{4}$ minutes in latitude by $3\frac{3}{4}$ minutes 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
 QUADRANGLES T-10760 and T- 763 through T-107
 PROJECT P 704

2. Areal Field Inspection These maps are located along the southern coast of Mississippi south of the town of Pascagoula. The land area is comprised of offshore islands in Mississippi Sound. The islands are Horn Island, Petit Bois Island and Round Island. All of the islands are un-inhabited and are narrow stretches of sand beaches and dunes. Round Island is the smallest of the three and is thickly wooded except for a narrow sand spit at the north end. Horn Island is thickly wooded in spots with the remainder being sand dunes and beaches with scattered trees. Petit Bois Island is mainly sand and has a few scattered trees. There is no land area within the limits of quadrangle T-10769. The island appearing on the index layout has washed away. A folder was not submitted for this map.

Field inspection is believed complete and was performed on the following nine-lens and infra-red photographs, 56616 through 56623, 56626, 56702, 56703, 56735 through 56737, 5712279 through 5712281, 5712238 through 5712291 and 5712300. No items were deliberately left for field edit.

Photography was of good quality and no difficulty was encountered in their interpretation in the field. Attention is called to the areas of marsh where the photographic tone is inconsistent. These areas were closely inspected by walking over the ground and the limits of marsh was indicated at the same time. In some areas the limits were indefinite on the ground as well as the photographs and the limits were generalized. Local information revealed that the ground was extremely wet at the time of photography and it is believed that this is responsible for some of the indefinite limits. Also, the wind has probably deposited the loose sand from surrounding areas over parts of the marsh making the ground stable by the time of field inspection.

The marsh limits along the west side of map T-10763 does not agree with the limits as shown on manuscript T-9385. These limits have been correctly indicated on photograph 56616 and revisions can be made in the compilation office.

Since the photographic tones in marsh areas were inconsistent, the limits of marsh have been indicated in their entirety on the photographs.

3. Horizontal Control All Coast and Geodetic Survey Control was searched for but only three stations were recovered. A scheme of third-order triangulation was observed. The following stations were established, CRAB 2, SHOE 3, HORSE, ROUND 2, HORN 3, NECK, SMALL, LAKE 2

and Mississippi Sound, Intracoastal Waterway, Round Island South Spit Light 2. Standard methods were used and triangle closures were satisfactory. Unadjusted field computations were made. Traverses were run from the above stations to locate points opposite the centers of the photographs. All traverses not tied to other stations were double chained and traverses having more than one leg were tied in by azimuth at the ends.

Stations BOIS 1935 and SIP 1935 were not recovered. The islands on which the stations were located are no longer in existence.

The following stations were reported lost, BOIS 1935, LAKE 1935, SIP 1935, HORN 2 1935, SHOE 2 1935, CUT 1910, CRAB 1935, and ROUND 1921.

4. Vertical Control One tidal bench mark, Horn Island Pass Lighthouse, Mississippi Sound, Tidal Bench Mark 1 (1917), was searched for and probably recovered.

5. Contours and Drainage Contours are inapplicable. All drainage is run off from the islands into the sound and gulf.

6. Woodland Cover Adequately covered on the photographs.

7. Shoreline and Alongshore Features The mean high water line was indicated by walking along the beach at various places and is fast land throughout the area.

The horizontal distance between the mean high and low water lines is too short for mapping, at the project scale.

There are no bluffs or cliffs in the area.

There are no docks, wharves, piers or landings.

The cable area to Horn Island Lighthouse was investigated. There are no markings along the beach indicating the location of the cable. The Coast Guard station in Pascagoula was unable to verify the existence of the cable, however, the Horn Island Light is now operated by gas.

8. Offshore Features The only offshore features are the aids to navigation.

9. Landmarks and Aids Landmarks and fixed aids to navigation are adequately covered by form 567, which will be submitted at a later date.

There are no Aeronautical Aids in the area.

There are no outstanding interior features.

10. Boundaries, Monuments and Lines See Special Report Boundaries Ph-5704, which will be submitted at a later date.

11. Other Control The following recoverable topographic stations were established, STAN 1958, DAVE 1958, JOSH 1958, LUKE 1958, RUBY 1958, MIKE 1958, ROSE 1958, MARY 1958, GARY 1958, GAIL 1958 and PETE 1958.

12. Other Interior Features There are no roads or buildings in the area.

There are no bridges or cables over navigable waters.

There are no airports or landing fields.

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

14. Special Reports and Supplemental Data

Special Report Boundaries, Project Ph-5704.

Special Report Geographic Names, Project Ph-5704.

Approved:

Roger F. Lanier
Roger F. Lanier

Submitted:

William M. Reynolds
William M. Reynolds

SCALE FACTOR

1 FT. = 3048006 METER
COMPUTED BY: **R. R. Wagner**
DATE: **29 April 1959**
CHECKED BY: **R. J. Pate**
DATE: **29 April 1959**
COMM. DC. 57843

PHOTOGRAMMETRIC PLOT REPORT
PROJECT PH-5704
Survey T-10760

21. AREA COVERED

This radial plot covers the area of survey No. T-10760. This is a planimetric survey in Mississippi Sound. The only land area within the limits of the survey is Round Island.

22. METHOD - RADIAL PLOT

Map Manuscripts:

A mylar sheet with polyconic projections in black and Mississippi East Zone Grids in red at a scale of 1:10,000 was furnished by the Washington Office.

All of the control was plotted in the Tampa Office.

A sketch showing the layout of the survey and distribution of the control and photograph centers is included in this report.

Photographs:

Four nine-lens photographs were used in the plot.

Vinylite templets were made for each photograph using a master templet to correct for paper distortion and transforming errors.

Closure and adjustment of control:

The radial plot was constructed on the map manuscript.

All of the control stations were held in the radial plot.

Transfer of Points:

The positions of pass points and photograph centers were pricked through the templets on to the map manuscript.

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate.

24. SUPPLEMENTAL DATA

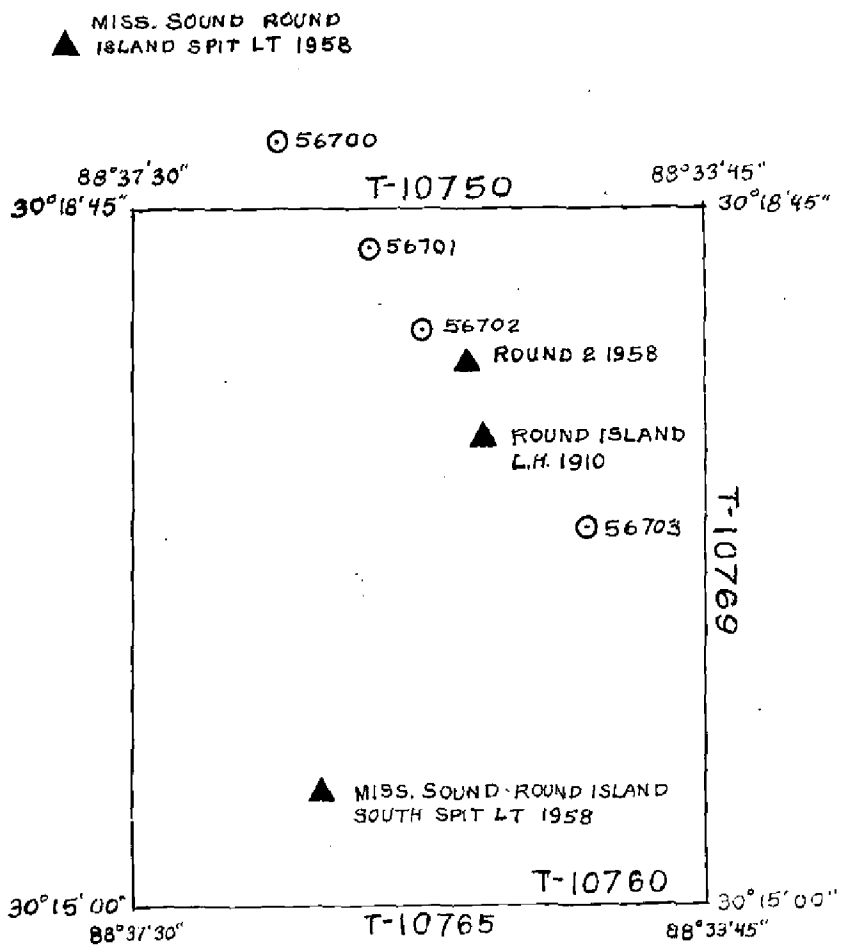
None used.

25. PHOTOGRAPHY

The photographic coverage and definition of photographs were adequate.

Respectfully submitted
22 October 1959

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



LAYOUT SKETCH
PROJECT NO PH-5704
SURVEY NO 10760

- Nine lens office Photographs
- ▲ Control stations identified

COMPILATION REPORT
T-10760

31. DELINEATION

This manuscript was delineated by graphic methods.

32. CONTROL

Refer to the Photogrammetric Plot Report.

The horizontal control with reference to identification, density and placement was considered to be adequate.

33. SUPPLEMENTARY DATA

USGS quadrangle Pascagoula, Miss., 1955 edition, was used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 have been submitted for one Non-floating Aid to Navigation and one landmark:

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions with Surveys T-10750 to the north - T-10769 to the east - and T-10765 to the south are all water areas.

There is no contemporary survey to the west, (all water area).

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 thru 45 - Not applicable.

46. COMPARISON WITH EXISTING MAPS

USGS quadrangle Pascagoula, Miss., 1955 edition - scale 1:62,500.

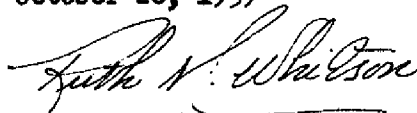
47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No. 875, scale 1:40,000, published in January 1952 and revised August 1959.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
October 26, 1959



Ruth M. Whitson
Carto. Photo. Aid

Approved and forwarded

William F. Deane
William F. Deane,
CDR, CGS
Baltimore District Officer

48. GEOGRAPHIC NAMES LIST

Jackson County

Mississippi Sound

Round Island

Names approved
June 20, 1968
- Frank W. Pickett
A. J. Wright

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T-10760

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

CONTROL STATIONS

6a. 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. Blaser Joseph Steinberg
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 17

7816A

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Field Edit Report
(Shoreline)
Quadrangles T-10742, 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-10760
PLANIMETRIC
January 2, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS PASCAGOULA, MISS., 15 minute, 1:62,500 scale quadrangle, edition of 1955. The two surveys are in good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of smooth sheets H-8645, ECFP-10-14-61 and H-8652, ECFP-10-4-62. The shoreline, of Round Island, was taken from a cronaflex copy of the Advance Manuscript for these surveys and there are no discrepancies.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with nautical chart 874-SC, 2nd edition, corrected thru NM-46-November 12, 1966. The shoreline of the chart and manuscript are in good agreement. A stake at latitude $30^{\circ} 18' 06''$, longitude $88^{\circ} 35' 24''$, on the chart, is not shown on this survey. It is not visible on the photography of the area.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

67. No field edit sheet was submitted for this survey. It is included as having been field edited in the Field Edit Report of April 1962.

Photograph 57-L-2426 was the only photograph available at the time of final review.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

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

Approved by:

Charles L. Hume
Chief, Photogrammetric Branch JLB

R. J. Houlton
Chief, Photogrammetry Division

John P. Boyer
Chief, Nautical Chart Division
Marine

STRIKE OUT ONE

NONFLUENT/ADD/OR LANDMARKS FOR CHARTS

Pascagoula, Mississippi

17 February 1959

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

The positions given have been checked after listing by

/s/ William M. Reynolds	Chief
Acting	

Acting *Chief of Party.*

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.

* TABULATE SECONDS AND METERS

STRIKE OUT ONE

21 January 1959

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

I recommend that the following objects which have ~~hitherto not~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked after listing by

Harvey G. Lucas

Coordinate Positions Computed on Alabama, West Zone, Mississippi East Zone /s/ Roger F. Lanier. LT. C&GS by WMR

Chief of Party.

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.

*** TABULATE SECONDS AND METERS**