

10744

Original

10744

10744

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p>DESCRIPTIVE REPORT</p>
<p>Type of Survey <u>Planimetric</u></p> <p>Field No. <u> </u> Office No. <u>T-10744</u></p>
<p>LOCALITY</p> <p>State <u>Mississippi and Alabama</u></p> <p>General locality <u>Mississippi Sound</u></p> <p>Locality <u>Bayou Heron</u></p> <p><u>7</u> <u>1952-1962</u></p> <p>CHIEF OF PARTY</p> <p><u>W. M. Reynolds, Chief of Party</u> <u>W. E. Randall, Balto. District Office</u></p>
<p>LIBRARY & ARCHIVES</p> <p>DATE <u> </u></p>

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T- 10744

PROJECT NO. (II):

PH-5704

FIELD OFFICE (III):

Pascagoula, Mississippi

CHIEF OF PARTY

William M. Reynolds

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

William E. Randall

INSTRUCTIONS DATED (II) (III):

II June 23, 1958
III April 7, 1959
October 6, 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. 1927

VERTICAL DATUM (III):

~~MEAN SEA LEVEL EXCEPT~~ MHW
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):

Middle, 1935

LAT.:

30° 23' 02.385"

LONG.:

88° 23' 45.278"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 261,131.81

X = 637,930.31

Mississippi

East

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):		DATE:
M. A. Stewart		January 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
November 1957 field inspection supplement by office interpretation.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
P. J. Dempsey		10/25/58
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. D. Shoup		3/5/59
CONTROL PLOTTED BY (III):		DATE
R. J. Pate		4/30/59
CONTROL CHECKED BY (III):		DATE
I. I. Sapperstein		4/30/59
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
H. R. Rudolph		12/2/59
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
B. Wilson		2/4/60 2/19/60
SCRIBING BY (III):		DATE
M. S. Cunningham		3/3/60
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
R. Glaser		3/10/60
REMARKS:		
Field Edit - 1962 (Refer to item 61, page 19)		

FORM C&GS-181c (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY		
DESCRIPTIVE REPORT - DATA RECORD				
CAMERA (KIND OR SOURCE) (III): <div style="text-align: center; margin-top: 10px;"> Nine-Lens and "L" Cameras </div>				
PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
56594 thru 56596 56658 thru 56660 57L2336 thru 2340 57L 2441 thru 2443	11/9/57 " " "	11:50 12:48 " 13:34	1:10,000 " " "	at MLW 0.2' above MLW " " " 0.3' " "
TIDE (III)				
			Diurnal	
			RATIO OF RANGES	MEAN RANGE
REFERENCE STATION:				
Pensacola, Florida				1.3
SUBORDINATE STATION:				
Pascagoula River Ent. Miss.				1.6
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):			DATE:	
Leo F. Bengnet, Atlantic Marine Center			Sept. 1967	
PROOF EDIT BY (IV):			DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):			RECOVERED:	IDENTIFIED:
14*			7	7
NUMBER OF BM(S) SEARCHED FOR (II):			RECOVERED:	IDENTIFIED
None			--	--
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):				
None				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):				
None				
REMARKS:				
* Includes three stations north of projects limits.				

COMPILED RECORD

COMPLETION DATE

REMARKS

Compiled	Feb. 1960	
Field Edited	April 1962	
Final Review	Sept. 1967	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10744

Planimetric survey T-10744 is one of 47 similar surveys in project PH-5704. It covers a part of Middle Bay and Grand Bay near the boundary of Mississippi and Alabama.

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 photographs obtained in November 1957. Cronaflex copies of the manuscript along with specially prepared photographs, ozalid prints and blueline were furnished for preparation of the hydrographers boat sheet, 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.

FIELD INSPECTION REPORT
QUADRANGLES T-10744 - T-10745 - T-10753 - T-10754
PROJECT PH-5704

2. Areal Field Inspection These maps are located along the southern coast of Mississippi and Alabama, south of the villages of Pecan and Grand Bay. The land area of maps T-10744 and T-10745 is covered mainly by trees and swamp. There are small areas devoted to farming. The predominant means of livelihood for the inhabitants is fishing. The land area for maps T-10753 and T-10754 is entirely marsh along mainland together with all or parts of offshore islands. These two maps completely un-inhabited.

Field inspection is believed complete and was performed on the following nine-lens photographs; 56592 through 56596, 56658 through 56662, 56684, 56685, ~~56686~~, 56707 and 56709. No items were deliberately left for field edit.

Photography was of good quality and no difficulty was encountered in their interpretation in the field except for the following; the tones along the junctions of photographs 56595 and 56659 were inconsistent in marsh and swamp areas. These areas were closely inspected by walking over the ground. The limits of marsh and swamp were indicated at the same time. In some areas the limits were indefinite on the ground as well as on 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. Marsh and swamp limits have been indicated in their entirety.

3. Horizontal Control All Coast and Geodetic Survey Control was searched for and where recovered was identified.

Several third-order traverse stations, established by Alabama Geodetic Survey, were searched for. Two of these stations were recovered and identified. These stations are 318 and 318-3.

Stations GRAND 1910, BAT 1910, 327-11, 340-2 and 340-3 were indicated on the project index to be identified. These stations could not be found.

The following stations were reported lost; BAT 1910, RAIN 1910, STIR 1910, GRAND 1910, 318-1, 318-2, 327-11, 340-2 and 340-3.

4. Vertical Control Recovery of vertical control was not required.

5. Contours and Drainage Contours are inapplicable.

The many bayous in the area are self evident from the photographs.

6. Woodland Cover All woods were inspected and classified on the photographs. Woodland cover consists primarily of pine on the higher ground. The swamp areas are covered by scattered cypress and gum. See also item 2 PP3.

7. Shoreline and Alongshore Features The mean high water line is both fast and apparent. Any doubtful areas were inspected by walking along the shore. The remaining areas were inspected by skiff running along the shore. The mean highwater line has been indicated by symbol on the photographs. Shoreline inspection has been indicated on the following 9 lens photographs; 56659 through 56662, 56684, 56685, ~~56686~~, 56707 and 56709.

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.

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

There are no submarine cables in the area.

8. Offshore Features There are none.

9. Landmarks and Aids There are no landmarks or fixed aids to navigation.

There are no aeronautical aids.

There are no outstanding interior features.

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

11. Other Control One recoverable topographic station was identified for location by the plot. The station is DUKE 1958.

12. Other Interior Features All roads and buildings were field inspected. Roads have been classified and landmark buildings have been indicated on the photograph.

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 submitted to Washington office 22 January 1959.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project Ph-5704.

This report was submitted to the Washington office on 22 January 1959.

Special Report, Boundaries, Project Ph-5704.

This report will be submitted at a later date.

Approved:

William M. Reynolds
William M. Reynolds

Submitted:

Matthew A. Stewart
Matthew A. Stewart

MAP T. 10744

PROJECT NO. PH-5704

SCALE OF MAP
1:10,000

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: R. J. Pate

DATE _____

4/29/59

CHECKED BY: R. R. Wagner

DATE _____

4/29/59

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.

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

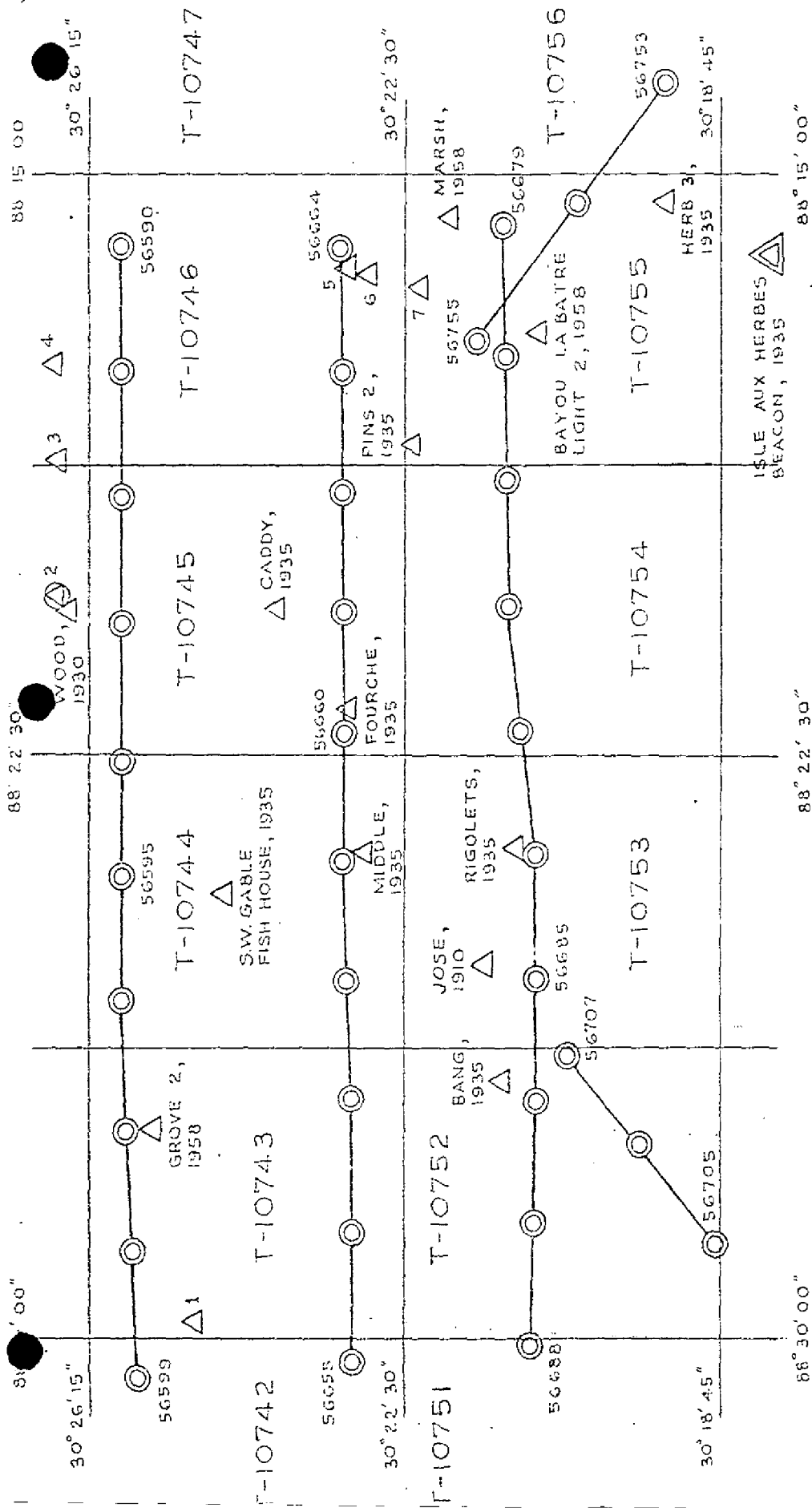
None.

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
22 December 1959

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



LAYOUT SKETCH

PROJECT PH-5704

SURVEYS T-10743 thru T-10746

COMPILATION REPORT
T-10744 & T-10745

31. DELINEATION

The manuscript was delineated by graphic methods.

32. CONTROL

Identification and distribution of horizontal control was adequate. Although additional control would have been useful, the results are considered adequate.

33. SUPPLEMENTAL DATA

Preliminary and Final Names Sheets prepared on U.S.G.S. Grand Bay, Ala.-Miss. quadrangle.

34. CONTOURS AND DRAINAGE.

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The small sections of low-water line delineated on T-10745, essentially the offshore limit of mud, was by office interpretation.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction is in agreement between the two subject surveys. Junctions have also been made and are in agreement with the following surveys:

T-10743 to the west.

T-10746 to the east.

T-10753 to the south.

There are no contemporary surveys to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The Alabama-Mississippi state boundary line (T-10744) was plotted by using triangulation station STATE LINE 2, 1958 (which is located several minutes to the north of survey T-10744) and the average of several points of detail along the line as shown on the Grand Bay quadrangle correlated to the manuscript.

42 through 45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Grand Bay, Ala.-Miss. quadrangle, scale 1:62,500, edition of 1943.

47. COMPARISON WITH NAUTICAL CHARTS

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

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
11 March 1960.

Raymond Glaser

Raymond Glaser
Carto. (Photo.)

Approved and Forwarded

William E. Randall

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

T-10744

48. GEOGRAPHIC NAME LIST

- > Barton Island
- > Bayou Cumbest
- > Bayou Heron
- * > Bayou La Fourche
- > Bayou La Fourche Bay
- > Big Island
- > Clay Bayou
- > Grand Bay
- > Grand Bay Swamp
- > Jackson Co. Mississippi
- > ^{-p.p.} Long Island
- > Louisville and Nashville (RR)
- > McClark Bayou
- > Middle Bay
- > Middle Bayou
- > Mobile Co. Alabama
- > Southwest Bayou
- U. S. 90

*From Chart No. 874

Names approved

June 18, 1968

A. J. Wright
Frank W. Fickett

3-11-60

17

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T-10744 & T-10745

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. P. Glasen 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 61, Page 19

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-10763
Project FH-5704

51. Methods

The shoreline was inspected by truck, skiff and walking along the beach. The distance to the LHWL 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 dredged 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

19

REVIEW REPORT
PLANIMETRIC
September 29, 1967

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

No Field Edit sheet was in the data for this survey at the time of Final Review. The field edit report of April 30, 1962 includes this survey and it is assumed that there were no field edit corrections.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

There are no previous Registered Topographic surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with a copy of USGS KREOLE, Miss. - Ala. 1:24,000; scale, 7½ minute quadrangle, edition of 1958. The two surveys are in good agreement except for several areas along the shoreline. These differences have been noted on the Comparison Print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of smooth sheet H-8648, 20-2-61. The shoreline of the two surveys are in agreement. A stake shown on the boatsheet at latitude 30° 22' 48" longitude 88° 24' 08" is not visible on the photographs of the area.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 874-SC, 2nd edition, corrected thru NM 46 - November 12, 1966. The stake mentioned in paragraph 64 also appears on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

67. The field inspection photographs had been misplaced prior to Final Review. Office prints of the following photographs were used during Final Review: 57L 2336 thru 57L2340, 57L 2441 thru 57L 2443.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

For R. H. Stark
J. Bull, RADM
Director, Atlantic Marine Center

Approved by:

Charles L. Luman
Chief, Photogrammetric Branch *AMB*

R. H. Henshaw
Chief, Photogrammetry Division

John O. Boyer
Chief, Nautical Chart Division
Marine