10754

Original

10754

10754

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. ..... Office No. T-10754

LOCALITY

State Alabama

General locality Mississippi Sound

Locality Point Aux Pins

19 59-1962

CHIEF OF PARTY

W. M. Reynolds, Chief of Party
W. E. Randall, Baltimore District Office

LIBRARY & ARCHIVES

DATE .....

USCOMM-DC 5087

FORM C&GS-181a
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10754

PROJECT NO. (II):

PH-5704

FIELD OFFICE (II):	CHIEF OF PARTY
Pascagoula, Mississippi	William M. Reynolds
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Baltimore, Maryland	William E. Randall

INSTRUCTIONS DATED (II) (III):

II 23 June 1958
III 6 Oct. 1959

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE: / DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): MHW
N.A. 1927	HEIGHTS AND DEPTHS ARE REFERRED 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):

PINS 2, 1935

LAT.:	LONG.:	☒ ADJUSTED ☐ UNADJUSTED
30° 22' 26.351"	88° 18' 33.446"	

PLANE COORDINATES (IV):		STATE	ZONE
Y =	X =	Alabama	West

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.

USCOMM-DC 36393A-P66

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): M. A. Stewart	DATE: January 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Field inspection using the photography of November 1957	
PROJECTION AND GRIDS RULED BY (IV): P. J. Dempsey	DATE 12/8/58
PROJECTION AND GRIDS CHECKED BY (IV): R. D. Shoup	DATE 3/5/59
CONTROL PLOTTED BY (III): None	DATE
CONTROL CHECKED BY (III): None	DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. R. Rudolph	DATE 12/22/59
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY	DATE
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. M. Whitson	DATE 1/29/60
SCRIBING BY (III): M. S. Cunningham	DATE 2/12/60
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): H. R. Rudolph	DATE 2/4/60

REMARKS:

Field Edit - April 1962

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):

Nine-lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
56681 thru 56683	11/9/67	1304	1:10,000	9.2' above MHW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola, Florida			1.3
SUBORDINATE STATION: Pascagoula River Entrance			1.6
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Center — DATE: November 1967

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	1	RECOVERED: 0	IDENTIFIED: 0
NUMBER OF BM(S) SEARCHED FOR (II):	0	RECOVERED: 0	IDENTIFIED 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

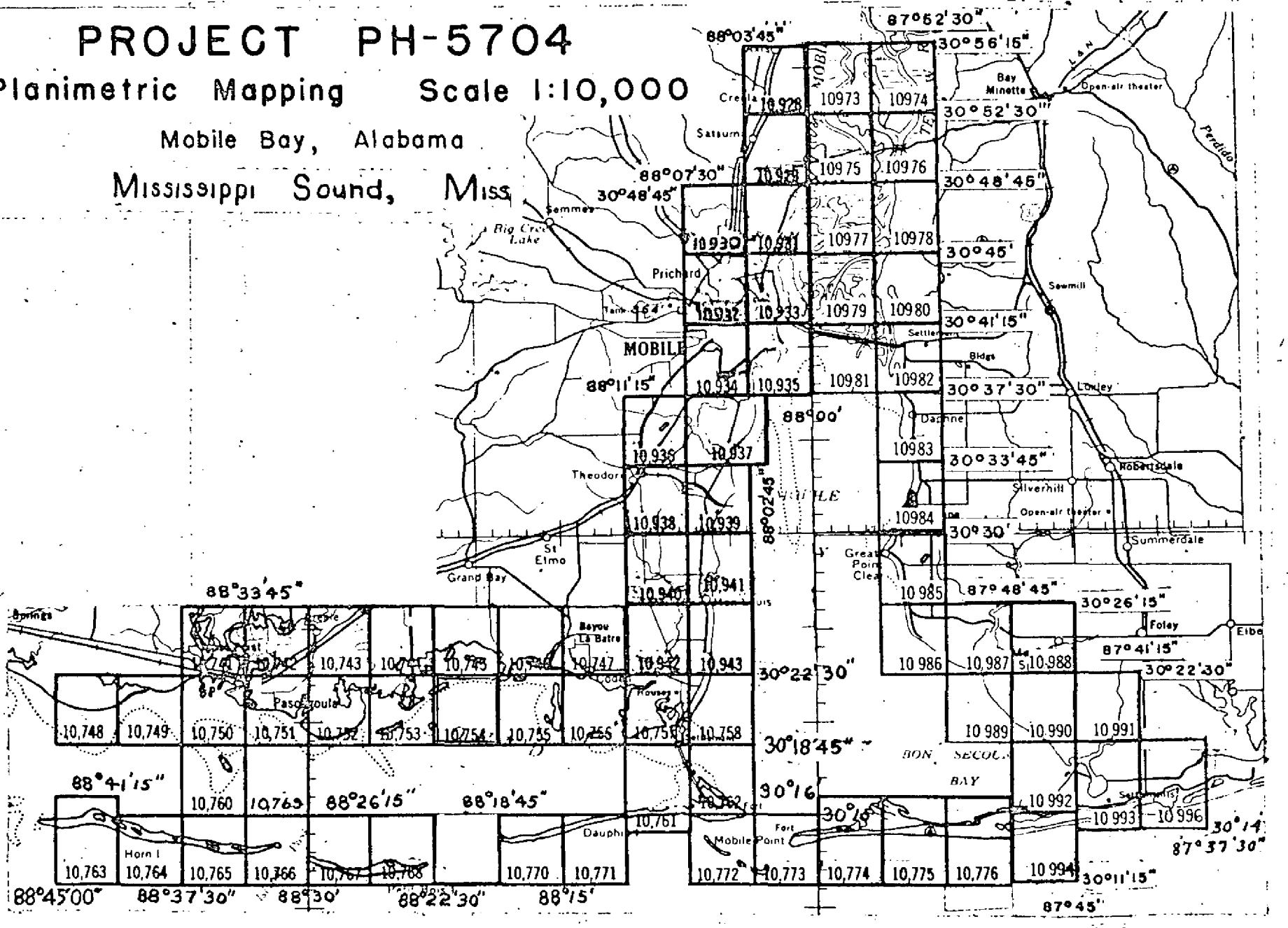
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	January 1960	
Field Edit	April 1962	
Final Review	November 1967	

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10754

Planimetric survey T-10754 is one of seventy-four similar surveys in Project PH-5704. It covers a part of Mississippi Sound in the area of Grand Bay. A small part of Point Aux Pins and one small island, of the Grand Batture Islands group, is the only land area in the survey.

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

The map was compiled by graphic methods from the nine-len photography obtained in November 1957. Cronaflex copies of the man manuscript alon g with ozalid copies and specially prepared photographs were furnished for photo-hydro support 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
QUADRANGLES T-10744 - T-10745 - T-10753 - T-10754
PROJECT PR-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 inhibitants 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

FORM C&GS-164
(3-64)
USCOMM-DC
6659-P64

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 10754 PROJECT NO. PH-5704 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
			There is no horizontal control of third-order or higher accuracy within the limits of this survey.	

COMPUTED BY DATE CHECKED BY DATE

~~10~~ 11

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 included in the Descriptive Report for T-10746.

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.)

COMPILATION REPORT
T-10753 through T-10755

~~The field inspection report covering the area of surveys T-10753 and T-10754 is a part of the Descriptive Report, T-10744. The field inspection report covering T-10755 is a part of Descriptive Report T-10746.~~ For photogrammetric plot report, see Descriptive Report T-10744. sketch

31. DELINEATION

The map manuscripts were 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

Special Report Geographic Names, Project Ph-5704: AMS Quadrangle, Grand Bay, Alabama-Mississippi; USGS Cedar Point Quadrangle; and Nautical Chart No. 874 were used for geographic names.

Special Report Boundaries - Ph-5704 for Mississippi-Alabama boundary.

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

No Landmarks, Fixed Aids to Navigation nor Aeronautical Aids are in the area of these surveys - T-10753 through T-10755.

38. CONTROL FOR FUTURE SURVEYS

Form 524 for one (1) recoverable topographic station is being submitted with this report.

The station is listed in paragraph 49.

39. JUNCTIONS

Junctions have been made between surveys and:
To the north with survey T-10744, T-10745, and T-10746.
To the west with survey T-10752.
Junction to the east with survey T-10756 is in an all-water area.
There are no contemporary surveys to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The Jackson County, Mississippi-Mobile County, Alabama boundary was transferred to map manuscript T-10753 from the A.M.S. Grand Bay Quadrangle, using a reflecting projector to adjust for scale differences.

42. - 45.

Not applicable

46. COMPARISON WITH EXISTING MAPS

A.M.S. Quadrangle, Grand Bay, Alabama, Mississippi; Scale 1:50,000; 1st edition 1955 and U. S. Department of the Interior Geological Survey Cedar Point Alabama Quadrangle; scale 1:62,500 edition of 1943.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 874, scale 1:40,000, 2nd edition published July 1951, revised March 1959.

Items to be applied to nautical charts immediately: None.
Items to be carried forward: None.

Respectfully submitted
9 March 1960

Ruth M. Whitson

Ruth M. Whitson
Photo. Carto. Aid

Approved and forwarded

William E. Randall

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

T-10754

48. GEOGRAPHIC NAME LIST

Grand Bay
Grand Batture Islands
~~Pt. Aux Pins~~ → Point aux Pins - GNIS
Mississippi Sound

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

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-10754 & T-10755

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

4a. Classification label H.R.R.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy H.R.R. 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 H.R.R. 11. Detail points H.R.R

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines ——— 32. Public land lines ———

MISCELLANEOUS

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

40. Harry R. Rudolph
Reviewer

Joseph Steinberg
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 18

M-2623-12

#17

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-10766and 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-10754
PLANIMETRIC
29 November 1967

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

No Field Edit Sheet was submitted for this survey. It is included in the Field Edit Report of 30 April 1962, and it is assumed that there was no Field Edit Corrections.

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 ISLE AUX HERBES, ALA., 1:24,000 scale, 7½ minute quadrangle, edition of 1958. The difference in the shoreline between the two surveys has been shown on the Comparison Print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of smooth sheet H-8648, ECFP-20-2-61. A private marker located at latitude 30° 22' 09", longitude 88° 20' 09" on the boat sheet is not shown on this survey.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 874-SC, 1:40,000 scale, 2nd edition, corrected thru NM 46-November 12, 1966. The comparison of the two surveys is 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 McStark
J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Approved by:

Charles Lemon
Chief, Photogrammetric Branch SDS

R. K. Houtaler
Chief, Photogrammetry Division

John O. Boyer
Chief, Nautical Chart Division
Marine